
PHYSICAL MODEL

FOR PROJECT
Projekt Minerál

MODEL
Projekt Minerál

Version 1.0



Toad Data Modeler
FREWARE VERSION

Kriminalistický ústav Praha
(c) by kpt. Ing. Jiří Pešek

Created: 4.2.2015
Last Modified: 9.2.2016

Model Description



ToadTM Data Modeler
FREWARE VERSION

Entity Report

Entity Name	Primary Key	# Attributes
BarvaLuminiscence	idBarvaLuminiscence, idUzivatel	6
Foto	idFoto, idMereni, idUzivatel	11
GeografickaJednotka	idGeografickaJednotka, idUzivatel	6
GeologickaJednotka	idGeologickaJednotka, idUzivatel	6
Hodnoty	idHodnoty, idSpektrum, idUzivatel	6
IntenzitaLuminiscence	idIntenzitaLuminiscence, idUzivatel	7
Klasifikace	idKlasifikace, idUzivatel	6
Kraj	idKraj, idUzivatel	6
Mereni	idMereni, idVzorek, idUzivatel, idPristroj	11
Mineral	idMineral, idUzivatel	6
Opraveni	idOpraveni, idUzivatel	6
PomKlasifikace	idPomKlasifikace, idUzivatel	6
PovoleneDvojiceKlasifikaceAPuvodHorniny	idPovoleneDvojiceKlasifikaceAPuvodHorniny, idUzivatel, idPuvodHorniny, idKlasifikace	6
PovoleneDvojiceTypVzorekAMineral	idPovoleneDvojiceTypVzorekAMineral, idTypVzorek, idMineral, idUzivatel	6
Prilohy	idPrilohy, idVzorek, idUzivatel	9
Pristroj	idPristroj, idUzivatel	6
PuvodHorniny	idPuvodHorniny, idUzivatel	6
Spektrum	idSpektrum, idMereni, idPomKlasifikace, idUzivatel	9
SpojeniFS	idSpojeniFS, idFoto, idSpektrum, idUzivatel	6
SpojeniUzavatelOpraveni	idUzivatel, idOpraveni, idUzivatelAutor	5
TypCL	idTypCL, idPristroj, idUzivatel	7
TypVzorek	idTypVzorek, idUzivatel	6
UpravaVzorku	idUpravaVzorku, idUzivatel	6
Uzivatele	idUzivatel	7
Vzorek	idVzorek, idMineral, idIntenzitaLuminiscence, idBarvaLuminiscence, idPuvodHorniny, idGeologickaJednotka, idGeografickaJednotka, idKlasifikace, idKraj, idTypVzorek, idUzivatel	32

Entity 'BarvaLuminiscence'

Caption	BarvaLuminiscence
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key13'

Attribute Name	type	Parent Entity
idBarvaLuminiscence	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idBarvaLuminiscence		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
barvaLuminiscence	Identifying	BarvaLuminiscence	Vzorek	1:N
autorBarvaLuminiscence	Identifying	Uzivatele	BarvaLuminiscence	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key13	idBarvaLuminiscence, idUzivatel
AK	idBarvaLuminiscence	idBarvaLuminiscence
AK	nazev	nazev

Entity 'Foto'

Caption	Foto
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key9'

Attribute Name	type	Parent Entity
idFoto	PK	-----
idMereni	PFK	Mereni
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idFoto		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idMereni		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	nazevSoubor		Varchar(100)	YES	NO	NO	NO	
	typSoubor		Varchar(100)	YES	NO	NO	NO	
	velikostSoubor		Int(11)	YES	NO	NO	NO	
	obsahSoubor		Longblob	YES	NO	NO	NO	-

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
maFoto	Identifying	Mereni	Foto	1:N
ma	Identifying	Foto	SpojjeniFS	1:N
autorFoto	Identifying	Uzivatele	Foto	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key9	idFoto, idMereni, idUzivatel
AK	idFoto	idFoto

Entity 'GeografickaJednotka'

Caption	GeografickaJednotka
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key13'

Attribute Name	type	Parent Entity
idGeografickaJednotka	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idGeografickaJednotka		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
geografickaJednotka	Identifying	GeografickaJednotka	Vzorek	1:N
autorGeografickaJednotka	Identifying	Uzivatele	GeografickaJednotka	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key13	idGeografickaJednotka, idUzivatel
AK	idBarvaLuminiscence	idGeografickaJednotka
AK	nazev	nazev

Entity 'GeologickaJednotka'

Caption	GeologickaJednotka
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key13'

Attribute Name	type	Parent Entity
idGeologickaJednotka	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idGeologickaJednotka		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
geologickaJednotka	Identifying	GeologickaJednotka	Vzorek	1:N
autorGeologickaJednotka	Identifying	Uzivatele	GeologickaJednotka	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key13	idGeologickaJednotka, idUzivatel
AK	idBarvaLuminiscence	idGeologickaJednotka
AK	nazev	nazev

Entity 'Hodnoty'

Caption	Hodnoty
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key12'

Attribute Name	type	Parent Entity
idHodnoty	PK	-----
idSpektrum	PFK	Spektrum
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idHodnoty		Int(11)	YES	YES	NO	NO	
	x		Float	YES	NO	NO	NO	
	y		Float	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idSpektrum		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
namereneHodnoty	Identifying	Spektrum	Hodnoty	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key12	idHodnoty, idSpektrum, idUzivatel
AK	idHodnoty	idHodnoty

Entity 'IntenzitaLuminiscence'

Caption	IntenzitaLuminiscence
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key13'

Attribute Name	type	Parent Entity
idIntenzitaLuminiscence	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idIntenzitaLuminiscence		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	poradi		Int(10)	NO	NO	NO	NO	Pořadí zobrazované veličiny

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
intenzitaLuminiscence	Identifying	IntenzitaLuminiscence	Vzorek	1:N
autorIntenzitaLuminiscence	Identifying	Uzivatele	IntenzitaLuminiscence	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key13	idIntenzitaLuminiscence, idUzivatel
AK	idBarvaLuminiscence	idIntenzitaLuminiscence
AK	nazev	nazev

Entity 'Klasifikace'

Caption	Klasifikace
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key4'

Attribute Name	type	Parent Entity
idKlasifikace	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idKlasifikace		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
klasifikace	Identifying	Klasifikace	Vzorek	1:N
jeMozno3	Identifying	Klasifikace	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
autorKlasifikace	Identifying	Uzivatele	Klasifikace	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key4	idKlasifikace, idUzivatel
AK	id	idKlasifikace
AK	nazev	nazev

Entity 'Kraj'

Caption	Kraj
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key7'

Attribute Name	type	Parent Entity
idKraj	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idKraj		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(50)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
nalezenVKraji	Identifying	Kraj	Vzorek	1:N
autorKraj	Identifying	Uzivatele	Kraj	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key7	idKraj, idUzivatel
AK	idKraj	idKraj
AK	nazev	nazev

Entity 'Mereni'

Caption	Mereni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key8'

Attribute Name	type	Parent Entity
idMereni	PK	-----
idVzorek	PFK	Vzorek
idUzivatel	PFK	Uzivatele
idPristroj	PFK	Pristroj

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMereni		Int(11)	YES	YES	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	poznanka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	poznanka Objektiv		Text	NO	NO	NO	NO	
	datumMer eni		Date	NO	NO	NO	NO	
	proud		Float	YES	NO	NO	NO	
	napeti		Float	YES	NO	NO	NO	
PFK	idVzorek		Int	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idPristroj		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
merenoNa	Identifying	Pristroj	Mereni	1:N
maMereni	Identifying	Vzorek	Mereni	1:N
maFoto	Identifying	Mereni	Foto	1:N
maSpektrum	Identifying	Mereni	Spektrum	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key8	idMereni, idVzorek, idUzivatel, idPristroj
AK	idMereni	idMereni

Entity 'Mineral'

Caption	Mineral
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key3'

Attribute Name	type	Parent Entity
idMineral	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMineral		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
jeMineralem	Identifying	Mineral	Vzorek	1:N
jeMozno2	Identifying	Mineral	PovoleneDvojiceTypVzorekAMineral	1:N
autorMineral	Identifying	Uzivatele	Mineral	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key3	idMineral, idUzivatel
AK	id	idMineral

Entity 'Opravneni'

Caption	Opravneni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key19'

Attribute Name	type	Parent Entity
idOpravneni	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idOpravneni		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N
maOpravneni2	Identifying	Opravneni	SpojeniUzavatelOpravneni	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key19	idOpravneni, idUzivatel
AK	idOpravneni	idOpravneni
AK	nazev	nazev

Entity 'PomKlasifikace'

Caption	PomKlasifikace
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key5'

Attribute Name	type	Parent Entity
idPomKlasifikace	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPomKlasifikace		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	poznámka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
pomocnaKlasifikace	Identifying	PomKlasifikace	Spektrum	1:N
autorPomKlasifikace	Identifying	Uzivatele	PomKlasifikace	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key5	idPomKlasifikace, idUzivatel
AK	id	idPomKlasifikace
AK	nazev	nazev

Entity 'PovoleneDvojiceKlasifikaceAPuvodHorniny'

Caption	PovoleneDvojiceKlasifikaceAPuvodHorniny
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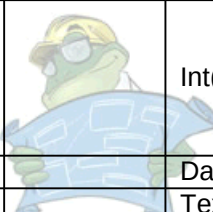
Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key17'

Attribute Name	type	Parent Entity
idPovoleneDvojiceKlasifikaceAPuvodHorniny	PK	-----
idUzivatel	PFK	Uzivatele
idPuvodHorniny	PFK	PuvodHorniny
idKlasifikace	PFK	Klasifikace

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPovoleneDvojiceKlasifikaceAPuvodHorniny		Int(11)	YES	YES	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	poznamka		Text	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idPuvodHorniny		Int(11)	YES	NO	NO	NO	
PFK	idKlasifikace		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
jeMozno3	Identifying	Klasifikace	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
jeMozno4	Identifying	PuvodHorniny	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
autorPovoleneDvojiceKlasifikaceAPuvodHorniny	Identifying	Uzivatele	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key17	idPovoleneDvojiceKlasifikaceAPuvodHorniny, idUzivatel, idPuvodHorniny, idKlasifikace
AK	idPovoleneDvojiceKlasifikaceAPuvodHorniny	idPovoleneDvojiceKlasifikaceAPuvodHorniny

Entity 'PovoleneDvojiceTypVzorekAMineral'

Caption	PovoleneDvojiceTypVzorekAMineral
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key16'

Attribute Name	type	Parent Entity
idPovoleneDvojiceTypVzorekAMineral	PK	-----
idTypVzorek	PFK	TypVzorek
idMineral	PFK	Mineral
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPovoleneDvojiceTypVzorekAMineral		Int(11)	YES	YES	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	poznamka		Text	NO	NO	NO	NO	
PFK	idTypVzorek		Int(11)	YES	NO	NO	NO	
PFK	idMineral		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
jeMozno2	Identifying	Mineral	PovoleneDvojiceTypVzorekAMineral	1:N
jeMozno1	Identifying	TypVzorek	PovoleneDvojiceTypVzorekAMineral	1:N
autorPovoleneDvojiceTypVzorekAMineral	Identifying	Uzivatele	PovoleneDvojiceTypVzorekAMineral	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key16	idPovoleneDvojiceTypVzorekAMineral, idTypVzorek, idMineral, idUzivatel
AK	idPovoleneDvojiceTypVzorekAMineral	idPovoleneDvojiceTypVzorekAMineral

Entity 'Prilohy'

Caption	Prilohy
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key15'

Attribute Name	type	Parent Entity
idPrilohy	PK	-----
idVzorek	PFK	Vzorek
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPrilohy		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	nazevSoubor		Varchar(100)	YES	NO	NO	NO	
	typSoubor		Varchar(100)	YES	NO	NO	NO	
	velikostSoubor		Int(11)	YES	NO	NO	NO	
	obsahSoubor		Longblob	YES	NO	NO	NO	
PFK	idVzorek		Int	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
maPrilohu	Identifying	Vzorek	Prilohy	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key15	idPrilohy, idVzorek, idUzivatel
AK	idPrilohy	idPrilohy

Entity 'Pristroj'

Caption	Pristroj
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key1'

Attribute Name	type	Parent Entity
idPristroj	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPristroj		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
	poznámka		Text	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
merenoNa	Identifying	Pristroj	Mereni	1:N
catodeLuminiscence	Identifying	Pristroj	TypCL	1:N
autorPristroj	Identifying	Uzivatele	Pristroj	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key1	idPristroj, idUzivatel
AK	Attribute1	idPristroj
AK	nazev	nazev

Entity 'PuvodHorniny'

Caption	PuvodHorniny
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key13'

Attribute Name	type	Parent Entity
idPuvodHorniny	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPuvodHorniny		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznámka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
puvodHorniny	Identifying	PuvodHorniny	Vzorek	1:N
jeMozno4	Identifying	PuvodHorniny	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
autorPuvodHorniny	Identifying	Uzivatele	PuvodHorniny	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key13	idPuvodHorniny, idUzivatel
AK	idBarvaLuminiscence	idPuvodHorniny
AK	nazev	nazev

Entity 'Spektrum'

Caption	Spektrum
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key10'

Attribute Name	type	Parent Entity
idSpektrum	PK	-----
idMereni	PFK	Mereni
idPomKlasifikace	PFK	PomKlasifikace
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idSpektrum		Int(11)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
	nazev		Varchar(20)	YES	NO	NO	YES	
PFK	idMereni		Int(11)	YES	NO	NO	NO	
PFK	idPomKlasifikace		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	importInfo		Varchar(100)	NO	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
maSpektrum	Identifying	Mereni	Spektrum	1:N
ma2	Identifying	Spektrum	SpojeniFS	1:N
pomocnaKlasifikace	Identifying	PomKlasifikace	Spektrum	1:N
namereneHodnoty	Identifying	Spektrum	Hodnoty	1:N
autorSpektrum	Identifying	Uzivatele	Spektrum	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key10	idSpektrum, idMereni, idPomKlasifikace, idUzivatel
AK	idSpektrum	idSpektrum

Entity 'SpojeniFS'

Caption	SpojeniFS
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key11'

Attribute Name	type	Parent Entity
idSpojeniFS	PK	-----
idFoto	PFK	Foto
idSpektrum	PFK	Spektrum
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PK	idSpojeniFS		Int(11)	YES	YES	NO	NO	
PFK	idFoto		Int(11)	YES	NO	NO	NO	
PFK	idSpektrum		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
ma	Identifying	Foto	SpojeniFS	1:N
ma2	Identifying	Spektrum	SpojeniFS	1:N
autorSpojeniFS	Identifying	Uzivatele	SpojeniFS	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key11	idSpojeniFS, idFoto, idSpektrum, idUzivatel
AK	idSpojeniFS	idSpojeniFS

Entity 'SpojeniUzavatelOpravneni'

Caption	SpojeniUzavatelOpravneni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key20'

Attribute Name	type	Parent Entity
idUzivatel	PFK	Uzivatele
idOpravneni	PFK	Opravneni
idUzivatelAutor	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PFK	idOpravneni		Int(11)	YES	NO	NO	NO	
PFK	idUzivatelAutor		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
maOpravneni1	Identifying	Uzivatele	SpojeniUzavatelOpravneni	1:N
maOpravneni2	Identifying	Opravneni	SpojeniUzavatelOpravneni	1:N
autorSpojeniUzavatelOpravneni	Identifying	Uzivatele	SpojeniUzavatelOpravneni	1:N

Entity 'TypCL'

Caption	TypCL
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key5'

Attribute Name	type	Parent Entity
idTypCL	PK	-----
idPristroj	PFK	Pristroj
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idTypCL		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	poznámka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idPristroj		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
catodeLuminiscence	Identifying	Pristroj	TypCL	1:N
autorTypCL	Identifying	Uzivatele	TypCL	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key5	idPristroj, idTypCL, idUzivatel
AK	id	idTypCL

Entity 'TypVzorek'

Caption	TypVzorek
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key2'

Attribute Name	type	Parent Entity
idTypVzorek	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idTypVzorek		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
typVzorku	Identifying	TypVzorek	Vzorek	1:N
jeMozno1	Identifying	TypVzorek	PovoleneDvojiceTypVzorekAMineral	1:N
autorTypVzorek	Identifying	Uzivatele	TypVzorek	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key2	idTypVzorek, idUzivatel
AK	id	idTypVzorek

Entity 'UpravaVzorku'

Caption	UpravaVzorku
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key13'

Attribute Name	type	Parent Entity
idUpravaVzorku	PK	-----
idUzivatel	PFK	Uzivatele

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idUpravaVzorku		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
autorUpravaVzorku	Identifying	Uzivatele	UpravaVzorku	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key13	idUpravaVzorku, idUzivatel
AK	idBarvaLuminiscence	idUpravaVzorku
AK	nazev	nazev

Entity 'Uzivatele'

Caption	Uzivatele
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key18'

Attribute Name	type	Parent Entity
idUzivatel	PK	-----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idUzivatel		Int(11)	YES	YES	NO	NO	
	jmeno		Varchar(100)	YES	NO	NO	NO	
	heslo		Varchar(100)	YES	NO	NO	NO	
	datumZalozeni		Datetime	YES	NO	NO	NO	
	datumPrihlaseeni		Datetime	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
FK	FK_idUzivatel		Int(11)	NO	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
maOpravneni1	Identifying	Uzivatele	SpojениUzavatelOpravneni	1:N
autorUpravaVzorku	Identifying	Uzivatele	UpravaVzorku	1:N
autorIntenzitaLuminiscence	Identifying	Uzivatele	IntenzitaLuminiscence	1:N
autorBarvaLuminiscence	Identifying	Uzivatele	BarvaLuminiscence	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
autorGeologickaJednotka	Identifying	Uzivatele	GeologickaJednotka	1:N
autorGeografickaJednotka	Identifying	Uzivatele	GeografickaJednotka	1:N
autorPuvodHorniny	Identifying	Uzivatele	PuvodHorniny	1:N
autorPovoleneDvojiceKlasifikaceAPuvodHorniny	Identifying	Uzivatele	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
autorKlasifikace	Identifying	Uzivatele	Klasifikace	1:N
autorKraj	Identifying	Uzivatele	Kraj	1:N
autorMineral	Identifying	Uzivatele	Mineral	1:N
autorPovoleneDvojiceTypVzorekAMineral	Identifying	Uzivatele	PovoleneDvojiceTypVzorekAMineral	1:N
autorTypVzorek	Identifying	Uzivatele	TypVzorek	1:N
autorVzorek	Identifying	Uzivatele	Vzorek	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorPristroj	Identifying	Uzivatele	Pristroj	1:N
autorTypCL	Identifying	Uzivatele	TypCL	1:N
autorFoto	Identifying	Uzivatele	Foto	1:N
autorSpojeniFS	Identifying	Uzivatele	SpojениFS	1:N
autorSpektrum	Identifying	Uzivatele	Spektrum	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorPomKlasifikace	Identifying	Uzivatele	PomKlasifikace	1:N
autorSpojeniUzavatelOpravneni	Identifying	Uzivatele	SpojениUzavatelOpravneni	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key18	idUzavatel
AK	idUzavatel	idUzavatel

Indexes

Index Name	Attributes	Unique
IX_Relationship8	FK_idUzavatel	NO

Entity 'Vzorek'

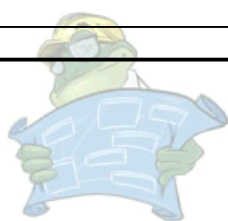
Caption	Vzorek
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key6'

Attribute Name	type	Parent Entity
idVzorek	PK	-----
idMineral	PFK	Mineral
idIntenzitaLuminiscence	PFK	IntenzitaLuminiscence
idBarvaLuminiscence	PFK	BarvaLuminiscence
idPuvodHorniny	PFK	PuvodHorniny
idGeologickaJednotka	PFK	GeologickaJednotka
idGeografickaJednotka	PFK	GeografickaJednotka
idKlasifikace	PFK	Klasifikace
idKraj	PFK	Kraj
idTypVzorek	PFK	TypVzorek
idUzivatel	PFK	Uzivatele



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Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idVzorek		Int	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	oznaceni		Varchar(100)	YES	NO	NO	NO	
	chemismus		Text	NO	NO	NO	NO	
	makrochemismus		Bool	NO	NO	NO	NO	
	makrochemismusPoznamka		Text	NO	NO	NO	NO	
	mikrochemismus		Bool	NO	NO	NO	NO	
	mikrochemismusPoznamka		Text	NO	NO	NO	NO	
	lokalita		Text	NO	NO	NO	NO	
	gpsX		Double	NO	NO	NO	NO	
	gpsY		Double	NO	NO	NO	NO	
	okoli		Float	NO	NO	NO	NO	
	GeologickaJednotkaPoznamka		Text	NO	NO	NO	NO	
	GeografickaJednotkaPoznamka		Text	NO	NO	NO	NO	
	poznamkaMistoNalezeni		Text	NO	NO	NO	NO	
	indexLomu		Float	NO	NO	NO	NO	-
	poznamkaKlasifikace		Text	NO	NO	NO	NO	
	datumNalezu		Datetime	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
	prevzatoZLiteratury		Bool	YES	NO	NO	YES	
	odkazNaLiteraturu		Text	NO	NO	NO	NO	
PFK	idMineral		Int(11)	YES	NO	NO	NO	
PFK	idIntenzitaLuminiscence		Int(11)	YES	NO	NO	NO	
PFK	idBarvaLuminiscence		Int(11)	YES	NO	NO	NO	
PFK	idPuvodHorniny		Int(11)	YES	NO	NO	NO	

PFK	idGeologic ckaJednot ka		Int(11)	YES	NO	NO	NO	
PFK	idGeografi ckaJednot ka		Int(11)	YES	NO	NO	NO	
PFK	idKlasifika ce		Int(11)	YES	NO	NO	NO	
PFK	idKraj		Int(11)	YES	NO	NO	NO	
PFK	idTypVzor ek		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
typVzorku	Identifying	TypVzorek	Vzorek	1:N
jeMineralem	Identifying	Mineral	Vzorek	1:N
nalezenVKraji	Identifying	Kraj	Vzorek	1:N
maMereni	Identifying	Vzorek	Mereni	1:N
klasifikace	Identifying	Klasifikace	Vzorek	1:N
barvaLuminiscence	Identifying	BarvaLuminiscence	Vzorek	1:N
intenzitaLuminiscence	Identifying	IntenzitaLuminiscence	Vzorek	1:N
puvodHorniny	Identifying	PuvodHorniny	Vzorek	1:N
geologickaJednotka	Identifying	GeologickaJednotka	Vzorek	1:N
geografickaJednotka	Identifying	GeografickaJednotka	Vzorek	1:N
maPrilohu	Identifying	Vzorek	Prilohy	1:N
autorVzorek	Identifying	Uzivatele	Vzorek	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key6	idVzorek, idMineral, idIntenzitaLuminiscence, idBarvaLuminiscence, idPuvodHorniny, idGeologickaJednotka, idKlasifikace, idKraj, idTypVzorek, idUzivatel, idGeografickaJednotka
AK	id	idVzorek

¹⁾Not Null

²⁾Unique

³⁾Check

⁴⁾Default

Attribute Report

Attribute Name	Entity Name	Domain	Data Type	PK	FK
datum	BarvaLuminiscence		Datetime	NO	NO
idBarvaLuminiscence	BarvaLuminiscence		Int(11)	YES	NO
idUzivatel	BarvaLuminiscence		Int(11)	YES	YES
nazev	BarvaLuminiscence		Varchar(100)	NO	NO
platnost	BarvaLuminiscence		Bool	NO	NO
poznamka	BarvaLuminiscence		Text	NO	NO
datum	Foto		Datetime	NO	NO
idFoto	Foto		Int(11)	YES	NO
idMereni	Foto		Int(11)	YES	YES
idUzivatel	Foto		Int(11)	YES	YES
nazev	Foto		Varchar(100)	NO	NO
nazevSoubor	Foto		Varchar(100)	NO	NO
obsahSoubor	Foto		Longblob	NO	NO
platnost	Foto		Bool	NO	NO
poznamka	Foto		Text	NO	NO
typSoubor	Foto		Varchar(100)	NO	NO
velikostSoubor	Foto		Int(11)	NO	NO
datum	GeografickaJednotka		Datetime	NO	NO
idGeografickaJednotka	GeografickaJednotka		Int(11)	YES	NO
idUzivatel	GeografickaJednotka		Int(11)	YES	YES
nazev	GeografickaJednotka		Varchar(100)	NO	NO
platnost	GeografickaJednotka		Bool	NO	NO
poznamka	GeografickaJednotka		Text	NO	NO
datum	GeologickaJednotka		Datetime	NO	NO
idGeologickaJednotka	GeologickaJednotka		Int(11)	YES	NO
idUzivatel	GeologickaJednotka		Int(11)	YES	YES
nazev	GeologickaJednotka		Varchar(100)	NO	NO
platnost	GeologickaJednotka		Bool	NO	NO
poznamka	GeologickaJednotka		Text	NO	NO
datum	Hodnoty		Datetime	NO	NO
idHodnoty	Hodnoty		Int(11)	YES	NO
idSpektrum	Hodnoty		Int(11)	YES	YES
idUzivatel	Hodnoty		Int(11)	YES	YES
x	Hodnoty		Float	NO	NO
y	Hodnoty		Float	NO	NO
datum	IntenzitaLuminiscence		Datetime	NO	NO
idIntenzitaLuminiscence	IntenzitaLuminiscence		Int(11)	YES	NO
idUzivatel	IntenzitaLuminiscence		Int(11)	YES	YES
nazev	IntenzitaLuminiscence		Varchar(100)	NO	NO
platnost	IntenzitaLuminiscence		Bool	NO	NO
poradi	IntenzitaLuminiscence		Int(10)	NO	NO
poznamka	IntenzitaLuminiscence		Text	NO	NO
datum	Klasifikace		Datetime	NO	NO
idKlasifikace	Klasifikace		Int(11)	YES	NO
idUzivatel	Klasifikace		Int(11)	YES	YES
nazev	Klasifikace		Varchar(100)	NO	NO
platnost	Klasifikace		Bool	NO	NO
poznamka	Klasifikace		Text	NO	NO
datum	Kraj		Datetime	NO	NO
idKraj	Kraj		Int(11)	YES	NO

idUzivatel	Kraj		Int(11)	YES	YES
nazev	Kraj		Varchar(50)	NO	NO
platnost	Kraj		Bool	NO	NO
poznamka	Kraj		Text	NO	NO
datum	Mereni		Datetime	NO	NO
datumMereni	Mereni		Date	NO	NO
idMereni	Mereni		Int(11)	YES	NO
idPristroj	Mereni		Int(11)	YES	YES
idUzivatel	Mereni		Int(11)	YES	YES
idVzorek	Mereni		Int	YES	YES
napeti	Mereni		Float	NO	NO
platnost	Mereni		Bool	NO	NO
poznamka	Mereni		Text	NO	NO
poznamkaObjektiv	Mereni		Text	NO	NO
proud	Mereni		Float	NO	NO
datum	Mineral		Datetime	NO	NO
idMineral	Mineral		Int(11)	YES	NO
idUzivatel	Mineral		Int(11)	YES	YES
nazev	Mineral		Varchar(100)	NO	NO
platnost	Mineral		Bool	NO	NO
poznamka	Mineral		Text	NO	NO
datum	Opraveni		Datetime	NO	NO
idOpraveni	Opraveni		Int(11)	YES	NO
idUzivatel	Opraveni		Int(11)	YES	YES
nazev	Opraveni		Varchar(100)	NO	NO
platnost	Opraveni		Bool	NO	NO
poznamka	Opraveni		Text	NO	NO
datum	PomKlasifikace		Datetime	NO	NO
idPomKlasifikace	PomKlasifikace		Int(11)	YES	NO
idUzivatel	PomKlasifikace		Int(11)	YES	YES
nazev	PomKlasifikace		Varchar(100)	NO	NO
platnost	PomKlasifikace		Bool	NO	NO
poznamka	PomKlasifikace		Text	NO	NO
datum	PovoleneDvojiceKlasifikaceAPuvodHorniny		Datetime	NO	NO
idKlasifikace	PovoleneDvojiceKlasifikaceAPuvodHorniny		Int(11)	YES	YES
idPovoleneDvojiceKlasifikaceAPuvodHorniny	PovoleneDvojiceKlasifikaceAPuvodHorniny		Int(11)	YES	NO
idPuvodHorniny	PovoleneDvojiceKlasifikaceAPuvodHorniny		Int(11)	YES	YES
idUzivatel	PovoleneDvojiceKlasifikaceAPuvodHorniny		Int(11)	YES	YES
poznamka	PovoleneDvojiceKlasifikaceAPuvodHorniny		Text	NO	NO
datum	PovoleneDvojiceTypVzorekAMineral		Datetime	NO	NO
idMineral	PovoleneDvojiceTypVzorekAMineral		Int(11)	YES	YES
idPovoleneDvojiceTypVzorekAMineral	PovoleneDvojiceTypVzorekAMineral		Int(11)	YES	NO
idTypVzorek	PovoleneDvojiceTypVzorekAMineral		Int(11)	YES	YES

idUzivatel	PovoleneDvojiceTypVzo rekAMineral		Int(11)	YES	YES
poznamka	PovoleneDvojiceTypVzo rekAMineral		Text	NO	NO
datum	Prilohy		Datetime	NO	NO
idPrilohy	Prilohy		Int(11)	YES	NO
idUzivatel	Prilohy		Int(11)	YES	YES
idVzorek	Prilohy		Int	YES	YES
nazev	Prilohy		Varchar(100)	NO	NO
nazevSoubor	Prilohy		Varchar(100)	NO	NO
obsahSoubor	Prilohy		Longblob	NO	NO
typSoubor	Prilohy		Varchar(100)	NO	NO
velikostSoubor	Prilohy		Int(11)	NO	NO
datum	Pristroj		Datetime	NO	NO
idPristroj	Pristroj		Int(11)	YES	NO
idUzivatel	Pristroj		Int(11)	YES	YES
nazev	Pristroj		Varchar(100)	NO	NO
platnost	Pristroj		Bool	NO	NO
poznamka	Pristroj		Text	NO	NO
datum	PuvodHorniny		Datetime	NO	NO
idPuvodHorniny	PuvodHorniny		Int(11)	YES	NO
idUzivatel	PuvodHorniny		Int(11)	YES	YES
nazev	PuvodHorniny		Varchar(100)	NO	NO
platnost	PuvodHorniny		Bool	NO	NO
poznamka	PuvodHorniny		Text	NO	NO
datum	Spektrum		Datetime	NO	NO
idMereni	Spektrum		Int(11)	YES	YES
idPomKlasifikace	Spektrum		Int(11)	YES	YES
idSpektrum	Spektrum		Int(11)	YES	NO
idUzivatel	Spektrum		Int(11)	YES	YES
importInfo	Spektrum		Varchar(100)	NO	NO
nazev	Spektrum		Varchar(20)	NO	NO
platnost	Spektrum		Bool	NO	NO
poznamka	Spektrum		Text	NO	NO
datum	SpojениFS		Datetime	NO	NO
idFoto	SpojениFS		Int(11)	YES	YES
idSpektrum	SpojениFS		Int(11)	YES	YES
idSpojениFS	SpojениFS		Int(11)	YES	NO
idUzivatel	SpojениFS		Int(11)	YES	YES
platnost	SpojениFS		Bool	NO	NO
datum	SpojениUzavatelOpravn eni		Datetime	NO	NO
idOpravneni	SpojениUzavatelOpravn eni		Int(11)	YES	YES
idUzivatel	SpojениUzavatelOpravn eni		Int(11)	YES	YES
idUzivatelAutor	SpojениUzavatelOpravn eni		Int(11)	YES	YES
platnost	SpojениUzavatelOpravn eni		Bool	NO	NO
datum	TypCL		Datetime	NO	NO
idPristroj	TypCL		Int(11)	YES	YES
idTypCL	TypCL		Int(11)	YES	NO

idUzivatel	TypCL		Int(11)	YES	YES
nazev	TypCL		Varchar(100)	NO	NO
platnost	TypCL		Bool	NO	NO
poznamka	TypCL		Text	NO	NO
datum	TypVzorek		Datetime	NO	NO
idTypVzorek	TypVzorek		Int(11)	YES	NO
idUzivatel	TypVzorek		Int(11)	YES	YES
nazev	TypVzorek		Varchar(100)	NO	NO
platnost	TypVzorek		Bool	NO	NO
poznamka	TypVzorek		Text	NO	NO
datum	UpravaVzorku		Datetime	NO	NO
idUpravaVzorku	UpravaVzorku		Int(11)	YES	NO
idUzivatel	UpravaVzorku		Int(11)	YES	YES
nazev	UpravaVzorku		Varchar(100)	NO	NO
platnost	UpravaVzorku		Bool	NO	NO
poznamka	UpravaVzorku		Text	NO	NO
datumPrihlaseni	Uzivatele		Datetime	NO	NO
datumZalozeni	Uzivatele		Datetime	NO	NO
FK_idUzivatel	Uzivatele		Int(11)	NO	YES
heslo	Uzivatele		Varchar(100)	NO	NO
idUzivatel	Uzivatele		Int(11)	YES	NO
jmeno	Uzivatele		Varchar(100)	NO	NO
platnost	Uzivatele		Bool	NO	NO
chemismus	Vzorek		Text	NO	NO
datum	Vzorek		Datetime	NO	NO
datumNalezu	Vzorek		Datetime	NO	NO
GeografickaJednotkaPoznamka	Vzorek		Text	NO	NO
GeologickaJednotkaPoznamka	Vzorek		Text	NO	NO
gpsX	Vzorek		Double	NO	NO
gpsY	Vzorek		Double	NO	NO
idBarvaLuminiscence	Vzorek		Int(11)	YES	YES
idGeografickaJednotka	Vzorek		Int(11)	YES	YES
idGeologickaJednotka	Vzorek		Int(11)	YES	YES
idIntenzitaLuminiscence	Vzorek		Int(11)	YES	YES
idKlasifikace	Vzorek		Int(11)	YES	YES
idKraj	Vzorek		Int(11)	YES	YES
idMineral	Vzorek		Int(11)	YES	YES
idPuvodHorniny	Vzorek		Int(11)	YES	YES
idTypVzorek	Vzorek		Int(11)	YES	YES
idUzivatel	Vzorek		Int(11)	YES	YES
idVzorek	Vzorek		Int	YES	NO
indexLomu	Vzorek		Float	NO	NO
lokalita	Vzorek		Text	NO	NO
makrochemismus	Vzorek		Bool	NO	NO
makrochemismusPoznamka	Vzorek		Text	NO	NO
mikrochemismus	Vzorek		Bool	NO	NO
mikrochemismusPoznamka	Vzorek		Text	NO	NO
odkazNaLiteraturu	Vzorek		Text	NO	NO
okoli	Vzorek		Float	NO	NO
oznaceni	Vzorek		Varchar(100)	NO	NO
platnost	Vzorek		Bool	NO	NO

poznamka	Vzorek		Text	NO	NO
poznamkaKlasifikace	Vzorek		Text	NO	NO
poznamkaMistoNalezeni	Vzorek		Text	NO	NO
prevzatoZLiteratury	Vzorek		Bool	NO	NO



Toad Data Modeler
FREWARE VERSION

Attribute 'datum'

Caption	datum
Entity Name	BarvaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence
Entity Name	BarvaLuminiscence
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	BarvaLuminiscence		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	BarvaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	BarvaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	BarvaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idFoto'

Caption	idFoto
Entity Name	Foto
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idMereni'

Caption	idMereni		
Entity Name	Foto		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Foto		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'nazevSoubor'

Caption	nazevSoubor
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'obsahSoubor'

Caption	obsahSoubor
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Longblob
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznámka'

Caption	poznámka
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'typSoubor'

Caption	typSoubor
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'velikostSoubor'

Caption	velikostSoubor
Entity Name	Foto
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	GeografickaJednotka
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idGeografickaJednotka'

Caption	idGeografickaJednotka
Entity Name	GeografickaJednotka
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	GeografickaJednotka		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	GeografickaJednotka
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	GeografickaJednotka
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznámka'

Caption	poznámka
Entity Name	GeografickaJednotka
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	GeologickaJednotka
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idGeologickaJednotka'

Caption	idGeologickaJednotka
Entity Name	GeologickaJednotka
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	GeologickaJednotka		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev		
Entity Name	GeologickaJednotka		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar(100)		
Not Null	YES		
Unique	YES		

Attribute 'platnost'

Caption	platnost		
Entity Name	GeologickaJednotka		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'poznámka'

Caption	poznámka		
Entity Name	GeologickaJednotka		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'datum'

Caption	datum		
Entity Name	Hodnoty		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		
Default	CURRENT_TIMESTAMP		

Attribute 'idHodnoty'

Caption	idHodnoty
Entity Name	Hodnoty
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idSpektrum'

Caption	idSpektrum		
Entity Name	Hodnoty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Spektrum
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Hodnoty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'x'

Caption	x
Entity Name	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'y'

Caption	y
Entity Name	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	IntenzitaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idIntenzitaLuminiscence'

Caption	idIntenzitaLuminiscence
Entity Name	IntenzitaLuminiscence
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	IntenzitaLuminiscence		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	IntenzitaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	IntenzitaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poradi'

Caption	poradi
Entity Name	IntenzitaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Int(10)
Not Null	NO
Unique	NO

Comments

Pořadí zobrazované veličiny

Attribute 'poznamka'

Caption	poznamka
Entity Name	IntenzitaLuminiscence
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Klasifikace
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idKlasifikace'

Caption	idKlasifikace
Entity Name	Klasifikace
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Klasifikace		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev		
Entity Name	Klasifikace		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar(100)		
Not Null	YES		
Unique	YES		

Attribute 'platnost'

Caption	platnost		
Entity Name	Klasifikace		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'poznamka'

Caption	poznamka		
Entity Name	Klasifikace		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'datum'

Caption	datum		
Entity Name	Kraj		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		
Default	CURRENT_TIMESTAMP		

Attribute 'idKraj'

Caption	idKraj
Entity Name	Kraj
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Kraj		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	Kraj
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	Kraj
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	Kraj
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'datumMereni'

Caption	datumMereni
Entity Name	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'idMereni'

Caption	idMereni
Entity Name	Mereni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idPristroj'

Caption	idPristroj		
Entity Name	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Pristroj
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idVzorek'

Caption	idVzorek		
Entity Name	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Vzorek
Data Type	Int		
Not Null	YES		
Unique	NO		

Attribute 'napeti'

Caption	napeti		
Entity Name	Mereni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Float		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity Name	Mereni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'poznanka'

Caption	poznanka		
Entity Name	Mereni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'poznankaObjektiv'

Caption	poznankaObjektiv		
Entity Name	Mereni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'proud'

Caption	proud
Entity Name	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Mineral
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idMineral'

Caption	idMineral
Entity Name	Mineral
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Mineral		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	Mineral
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity Name	Mineral
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	Mineral
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Opravneni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idOpravneni'

Caption	idOpravneni
Entity Name	Opravneni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Opraveni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	Opraveneni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	Opraveneni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznámka'

Caption	poznámka
Entity Name	Opraveneni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	PomKlasifikace
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idPomKlasifikace'

Caption	idPomKlasifikace
Entity Name	PomKlasifikace
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	PomKlasifikace		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev		
Entity Name	PomKlasifikace		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar(100)		
Not Null	YES		
Unique	YES		

Attribute 'platnost'

Caption	platnost		
Entity Name	PomKlasifikace		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'poznamka'

Caption	poznamka		
Entity Name	PomKlasifikace		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'datum'

Caption	datum		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		
Default	CURRENT_TIMESTAMP		

Attribute 'idKlasifikace'

Caption	idKlasifikace		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Klasifikace
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idPovoleneDvojiceKlasifikaceAPuvodHorniny'

Caption	idPovoleneDvojiceKlasifikaceAPuvodHorniny		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Primary Key	YES		
Foreign Key	NO		
Data Type	Int(11)		
Not Null	YES		
Unique	YES		

Attribute Properties

Autoincrement	YES
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Attribute 'idPuvodHorniny'

Caption	idPuvodHorniny		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Primary Key	YES		
Foreign Key	YES	Parent Entity	PuvodHorniny
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'poznamka'

Caption	poznamka		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'datum'

Caption	datum
Entity Name	PovoleneDvojiceTypVzorekAMineral
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idMineral'

Caption	idMineral		
Entity Name	PovoleneDvojiceTypVzorekAMineral		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mineral
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idPovoleneDvojiceTypVzorekAMineral'

Caption	idPovoleneDvojiceTypVzorekAMineral		
Entity Name	PovoleneDvojiceTypVzorekAMineral		
Primary Key	YES		
Foreign Key	NO		
Data Type	Int(11)		
Not Null	YES		
Unique	YES		

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idTypVzorek'

Caption	idTypVzorek		
Entity Name	PovoleneDvojiceTypVzorekAMineral		
Primary Key	YES		
Foreign Key	YES	Parent Entity	TypVzorek
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	PovoleneDvojiceTypVzorekAMineral		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'poznamka'

Caption	poznamka
Entity Name	PovoleneDvojiceTypVzorekAMineral
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idPrilohy'

Caption	idPrilohy
Entity Name	Prilohy
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Prilohy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idVzorek'

Caption	idVzorek		
Entity Name	Prilohy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Vzorek
Data Type	Int		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'nazevSoubor'

Caption	nazevSoubor
Entity Name	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'obsahSoubor'

Caption	obsahSoubor
Entity Name	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Longblob
Not Null	YES
Unique	NO

Attribute 'typSoubor'

Caption	typSoubor
Entity Name	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'velikostSoubor'

Caption	velikostSoubor
Entity Name	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Pristroj
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idPristroj'

Caption	idPristroj
Entity Name	Pristroj
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Pristroj		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	Pristroj
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	Pristroj
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	Pristroj
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	PuvodHorniny
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idPuvodHorniny'

Caption	idPuvodHorniny
Entity Name	PuvodHorniny
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	PuvodHorniny		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	PuvodHorniny
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	PuvodHorniny
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	PuvodHorniny
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idMereni'

Caption	idMereni		
Entity Name	Spektrum		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idPomKlasifikace'

Caption	idPomKlasifikace		
Entity Name	Spektrum		
Primary Key	YES		
Foreign Key	YES	Parent Entity	PomKlasifikace
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idSpektrum'

Caption	idSpektrum
Entity Name	Spektrum
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Spektrum		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'importInfo'

Caption	importInfo
Entity Name	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	NO
Unique	NO

Attribute 'nazev'

Caption	nazev
Entity Name	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(20)
Not Null	YES
Unique	NO
Default	100

Attribute 'platnost'

Caption	platnost
Entity Name	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	SpojeniFS
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idFoto'

Caption	idFoto		
Entity Name	SpojeniFS		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Foto
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idSpektrum'

Caption	idSpektrum		
Entity Name	SpojeniFS		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Spektrum
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idSpojeniFS'

Caption	idSpojeniFS
Entity Name	SpojeniFS
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
---------------	-----

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	SpojeniFS		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity Name	SpojeniFS		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'datum'

Caption	datum		
Entity Name	SpojeniUzavatelOpravneni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		
Default	CURRENT_TIMESTAMP		

Attribute 'idOpravneni'

Caption	idOpravneni		
Entity Name	SpojeniUzavatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Opravneni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	SpojeniUzavatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatelAutor'

Caption	idUzivatelAutor		
Entity Name	SpojeniUzavatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity Name	SpojeniUzavatelOpravneni		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'datum'

Caption	datum		
Entity Name	TypCL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		
Default	CURRENT_TIMESTAMP		

Attribute 'idPristroj'

Caption	idPristroj		
Entity Name	TypCL		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Pristroj
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idTypCL'

Caption	idTypCL		
Entity Name	TypCL		
Primary Key	YES		
Foreign Key	NO		
Data Type	Int(11)		
Not Null	YES		
Unique	YES		

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	TypCL		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev		
Entity Name	TypCL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar(100)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity Name	TypCL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		
Default	1		

Attribute 'poznamka'

Caption	poznamka		
Entity Name	TypCL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Text		
Not Null	NO		
Unique	NO		

Attribute 'datum'

Caption	datum		
Entity Name	TypVzorek		
Primary Key	NO		
Foreign Key	NO		
Data Type	Datetime		
Not Null	YES		
Unique	NO		
Default	CURRENT_TIMESTAMP		

Attribute 'idTypVzorek'

Caption	idTypVzorek
Entity Name	TypVzorek
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	TypVzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	TypVzorek
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity Name	TypVzorek
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	TypVzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	UpravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idUpravaVzorku'

Caption	idUpravaVzorku
Entity Name	UpravaVzorku
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	UpravaVzorku		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'nazev'

Caption	nazev
Entity Name	UpravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'platnost'

Caption	platnost
Entity Name	UpravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznamka'

Caption	poznamka
Entity Name	UpravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datumPrihlaseni'

Caption	datumPrihlaseni
Entity Name	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	NO
Unique	NO

Attribute 'datumZalozeni'

Caption	datumZalozeni
Entity Name	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'FK_idUzivatel'

Caption	Foreign idUzivatel		
Entity Name	Uzivatele		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Attribute 'heslo'

Caption	heslo
Entity Name	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel
Entity Name	Uzivatele
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'jmeno'

Caption	jmeno
Entity Name	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity Name	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'chemismus'

Caption	chemismus
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'datumNalezu'

Caption	datumNalezu
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	NO
Unique	NO

Attribute 'GeografickaJednotkaPoznamka'

Caption	GeografickaJednotkaPoznamka
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'GeologickaJednotkaPoznamka'

Caption	GeologickaJednotkaPoznamka
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'gpsX'

Caption	gpsX
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	NO
Unique	NO

Attribute 'gpsY'

Caption	gpsY
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	NO
Unique	NO

Attribute 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	BarvaLuminiscence
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idGeografickaJednotka'

Caption	idGeografickaJednotka		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	GeografickaJednotka
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idGeologickaJednotka'

Caption	idGeologickaJednotka		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	GeologickaJednotka
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idIntenzitaLuminiscence'

Caption	idIntenzitaLuminiscence		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	IntenzitaLuminiscence
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idKlasifikace'

Caption	idKlasifikace		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Klasifikace
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idKraj'

Caption	idKraj		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Kraj
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMineral'

Caption	idMineral		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mineral
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idPuvodHorniny'

Caption	idPuvodHorniny		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	PuvodHorniny
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idTypVzorek'

Caption	idTypVzorek		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	TypVzorek
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity Name	Vzorek		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idVzorek'

Caption	idVzorek
Entity Name	Vzorek
Primary Key	YES
Foreign Key	NO
Data Type	Int
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'indexLomu'

Caption	indexLomu
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	NO
Unique	NO

Attribute 'lokalita'

Caption	lokalita
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'makrochemismus'

Caption	makrochemismus
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	NO
Unique	NO

Attribute 'makrochemismusPoznamka'

Caption	makrochemismusPoznamka
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'mikrochemismus'

Caption	mikrochemismus
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	NO
Unique	NO

Attribute 'mikrochemismusPoznamka'

Caption	mikrochemismusPoznamka
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'odkazNaLiteraturu'

Caption	odkazNaLiteraturu
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'okoli'

Caption	okoli
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	NO
Unique	NO

Attribute 'oznaceni'

Caption	oznaceni
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'poznanka'

Caption	poznanka
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'poznankaKlasifikace'

Caption	poznankaKlasifikace
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'poznankaMistoNalezeni'

Caption	poznankaMistoNalezeni
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'prevzatoZLiteratury'

Caption	prevzatoZLiteratury
Entity Name	Vzorek
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	0

Key Report

Key Type	Key Name	Entity Name
AK	idBarvaLuminiscence	BarvaLuminiscence
PK	Key13	BarvaLuminiscence
AK	nazev	BarvaLuminiscence
AK	idFoto	Foto
PK	Key9	Foto
AK	idBarvaLuminiscence	GeografickaJednotka
PK	Key13	GeografickaJednotka
AK	nazev	GeografickaJednotka
AK	idBarvaLuminiscence	GeologickaJednotka
PK	Key13	GeologickaJednotka
AK	nazev	GeologickaJednotka
AK	idHodnoty	Hodnoty
PK	Key12	Hodnoty
AK	idBarvaLuminiscence	IntenzitaLuminiscence
PK	Key13	IntenzitaLuminiscence
AK	nazev	IntenzitaLuminiscence
AK	id	Klasifikace
PK	Key4	Klasifikace
AK	nazev	Klasifikace
AK	idKraj	Kraj
PK	Key7	Kraj
AK	nazev	Kraj
AK	idMereni	Mereni
PK	Key8	Mereni
AK	id	Mineral
PK	Key3	Mineral
AK	idOpraveni	Opraveni
PK	Key19	Opraveni
AK	nazev	Opraveni
AK	id	PomKlasifikace
PK	Key5	PomKlasifikace
AK	nazev	PomKlasifikace
AK	idPovoleneDvojiceKlasifikaceAPuvodHorniny	PovoleneDvojiceKlasifikaceAPuvodHorniny
PK	Key17	PovoleneDvojiceKlasifikaceAPuvodHorniny
AK	idPovoleneDvojiceTypVzorekAMineral	PovoleneDvojiceTypVzorekAMineral
PK	Key16	PovoleneDvojiceTypVzorekAMineral
AK	idPrilohy	Prilohy
PK	Key15	Prilohy
AK	Attribute1	Pristroj
PK	Key1	Pristroj
AK	nazev	Pristroj
AK	idBarvaLuminiscence	PuvodHorniny
PK	Key13	PuvodHorniny
AK	nazev	PuvodHorniny
AK	idSpektrum	Spektrum
PK	Key10	Spektrum
AK	idSpojeniFS	SpojeniFS

PK	Key11	SpojeniFS
PK	Key20	SpojeniUzavatelOpraveni
AK	id	TypCL
PK	Key5	TypCL
AK	id	TypVzorek
PK	Key2	TypVzorek
AK	idBarvaLuminiscence	UpravaVzorku
PK	Key13	UpravaVzorku
AK	nazev	UpravaVzorku
AK	idUzivatel	Uzivatele
PK	Key18	Uzivatele
AK	id	Vzorek
PK	Key6	Vzorek



Toad Data Modeler
FREWARE VERSION

Key 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Key Type	Alternate Key		
Entity Name	BarvaLuminiscence		
Attribute	Order	Foreign Key	
idBarvaLuminiscence	ASC	NO	

Key Properties

Index Type	Default
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Key 'Key13'

Caption	Key13		
Key Type	Primary Key		
Entity Name	BarvaLuminiscence		
Attribute	Order	Foreign Key	
idBarvaLuminiscence	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
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Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	BarvaLuminiscence		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idFoto'

Caption	idFoto		
Key Type	Alternate Key		
Entity Name	Foto		
Attribute	Order	Foreign Key	
idFoto	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key9'

Caption	Key9		
Key Type	Primary Key		
Entity Name	Foto		
Attribute	Order	Foreign Key	
idFoto	ASC	NO	
idMereni	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Key Type	Alternate Key		
Entity Name	GeografickaJednotka		
Attribute	Order	Foreign Key	
idGeografickaJednotka	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key13'

Caption	Key13		
Key Type	Primary Key		
Entity Name	GeografickaJednotka		
Attribute	Order	Foreign Key	
idGeografickaJednotka	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	GeografickaJednotka		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Key Type	Alternate Key		
Entity Name	GeologickaJednotka		
Attribute	Order	Foreign Key	
idGeologickaJednotka	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key13'

Caption	Key13		
Key Type	Primary Key		
Entity Name	GeologickaJednotka		
Attribute	Order	Foreign Key	
idGeologickaJednotka	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	GeologickaJednotka		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idHodnoty'

Caption	idHodnoty		
Key Type	Alternate Key		
Entity Name	Hodnoty		
Attribute	Order	Foreign Key	
idHodnoty	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key12'

Caption	Key12		
Key Type	Primary Key		
Entity Name	Hodnoty		
Attribute	Order	Foreign Key	
idHodnoty	ASC	NO	
idSpektrum	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Key Type	Alternate Key		
Entity Name	IntenzitaLuminiscence		
Attribute	Order	Foreign Key	
idIntenzitaLuminiscence	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key13'

Caption	Key13		
Key Type	Primary Key		
Entity Name	IntenzitaLuminiscence		
Attribute	Order	Foreign Key	
idIntenzitaLuminiscence	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	IntenzitaLuminiscence		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'id'

Caption	id		
Key Type	Alternate Key		
Entity Name	Klasifikace		
Attribute	Order	Foreign Key	
idKlasifikace	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key4'

Caption	Key4		
Key Type	Primary Key		
Entity Name	Klasifikace		
Attribute	Order	Foreign Key	
idKlasifikace	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	Klasifikace		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idKraj'

Caption	idKraj		
Key Type	Alternate Key		
Entity Name	Kraj		
Attribute	Order	Foreign Key	
idKraj	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key7'

Caption	Key7		
Key Type	Primary Key		
Entity Name	Kraj		
Attribute	Order	Foreign Key	
idKraj	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	Kraj		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idMereni'

Caption	idMereni		
Key Type	Alternate Key		
Entity Name	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key8'

Caption	Key8		
Key Type	Primary Key		
Entity Name	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	
idVzorek	ASC	YES	
idUzivatel	ASC	YES	
idPristroj	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'id'

Caption	id		
Key Type	Alternate Key		
Entity Name	Mineral		
Attribute	Order	Foreign Key	
idMineral	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key3'

Caption	Key3		
Key Type	Primary Key		
Entity Name	Mineral		
Attribute	Order	Foreign Key	
idMineral	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'idOpravneni'

Caption	idOpravneni		
Key Type	Alternate Key		
Entity Name	Opravneni		
Attribute	Order	Foreign Key	
idOpravneni	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key19'

Caption	Key19		
Key Type	Primary Key		
Entity Name	Opravneni		
Attribute	Order	Foreign Key	
idOpravneni	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	Opraveni		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'id'

Caption	id		
Key Type	Alternate Key		
Entity Name	PomKlasifikace		
Attribute	Order	Foreign Key	
idPomKlasifikace	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key5'

Caption	Key5		
Key Type	Primary Key		
Entity Name	PomKlasifikace		
Attribute	Order	Foreign Key	
idPomKlasifikace	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	PomKlasifikace		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idPovoleneDvojiceKlasifikaceAPuvodHorniny'

Caption	idPovoleneDvojiceKlasifikaceAPuvodHorniny		
Key Type	Alternate Key		
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny		
Attribute	Order	Foreign Key	
idPovoleneDvojiceKlasifikaceAPuvodHorniny	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key17'

Caption	Key17	
Key Type	Primary Key	
Entity Name	PovoleneDvojiceKlasifikaceAPuvodHorniny	
Attribute	Order	Foreign Key
idPovoleneDvojiceKlasifikaceAPuvodHorniny	ASC	NO
idUzivatel	ASC	YES
idPuvodHorniny	ASC	YES
idKlasifikace	ASC	YES

Key Properties

Index Type	Default
------------	---------

Key 'idPovoleneDvojiceTypVzorekAMineral'

Caption	idPovoleneDvojiceTypVzorekAMineral	
Key Type	Alternate Key	
Entity Name	PovoleneDvojiceTypVzorekAMineral	
Attribute	Order	Foreign Key
idPovoleneDvojiceTypVzorekAMineral	ASC	NO

Key Properties

Index Type	Default
------------	---------

Key 'Key16'

Caption	Key16	
Key Type	Primary Key	
Entity Name	PovoleneDvojiceTypVzorekAMineral	
Attribute	Order	Foreign Key
idPovoleneDvojiceTypVzorekAMineral	ASC	NO
idTypVzorek	ASC	YES
idMineral	ASC	YES
idUzivatel	ASC	YES

Key Properties

Index Type	Default
------------	---------

Key 'idPrilohy'

Caption	idPrilohy	
Key Type	Alternate Key	
Entity Name	Prilohy	
Attribute	Order	Foreign Key
idPrilohy	ASC	NO

Key Properties

Index Type	Default
------------	---------

Key 'Key15'

Caption	Key15		
Key Type	Primary Key		
Entity Name	Prilohy		
Attribute	Order	Foreign Key	
idPrilohy	ASC	NO	
idVzorek	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'Attribute1'

Caption	Attribute1		
Key Type	Alternate Key		
Entity Name	Pristroj		
Attribute	Order	Foreign Key	
idPristroj	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key1'

Caption	Key1		
Key Type	Primary Key		
Entity Name	Pristroj		
Attribute	Order	Foreign Key	
idPristroj	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	Pristroj		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Key Type	Alternate Key		
Entity Name	PuvodHorniny		
Attribute	Order	Foreign Key	
idPuvodHorniny	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key13'

Caption	Key13		
Key Type	Primary Key		
Entity Name	PuvodHorniny		
Attribute	Order	Foreign Key	
idPuvodHorniny	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	PuvodHorniny		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idSpektrum'

Caption	idSpektrum		
Key Type	Alternate Key		
Entity Name	Spektrum		
Attribute	Order	Foreign Key	
idSpektrum	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key10'

Caption	Key10		
Key Type	Primary Key		
Entity Name	Spektrum		
Attribute	Order	Foreign Key	
idSpektrum	ASC	NO	
idMereni	ASC	YES	
idPomKlasifikace	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idSpojeniFS'

Caption	idSpojeniFS		
Key Type	Alternate Key		
Entity Name	SpojeniFS		
Attribute	Order	Foreign Key	
idSpojeniFS	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key11'

Caption	Key11		
Key Type	Primary Key		
Entity Name	SpojeniFS		
Attribute	Order	Foreign Key	
idSpojeniFS	ASC	NO	
idFoto	ASC	YES	
idSpektrum	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key20'

Caption	Key20		
Key Type	Primary Key		
Entity Name	SpojeniUzivatelOpraveni		
Attribute	Order	Foreign Key	
idUzivatel	ASC	YES	
idOpraveni	ASC	YES	
idUzivatelAutor	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'id'

Caption	id		
Key Type	Alternate Key		
Entity Name	TypCL		
Attribute	Order	Foreign Key	
idTypCL	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key5'

Caption	Key5		
Key Type	Primary Key		
Entity Name	TypCL		
Attribute	Order	Foreign Key	
idPristroj	ASC	YES	
idTypCL	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'id'

Caption	id		
Key Type	Alternate Key		
Entity Name	TypVzorek		
Attribute	Order	Foreign Key	
idTypVzorek	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key2'

Caption	Key2		
Key Type	Primary Key		
Entity Name	TypVzorek		
Attribute	Order	Foreign Key	
idTypVzorek	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'idBarvaLuminiscence'

Caption	idBarvaLuminiscence		
Key Type	Alternate Key		
Entity Name	UpravaVzorku		
Attribute	Order	Foreign Key	
idUpravaVzorku	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key13'

Caption	Key13		
Key Type	Primary Key		
Entity Name	UpravaVzorku		
Attribute	Order	Foreign Key	
idUpravaVzorku	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
------------	---------

Key 'nazev'

Caption	nazev		
Key Type	Alternate Key		
Entity Name	UpravaVzorku		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'idUzivatel'

Caption	idUzivatel		
Key Type	Alternate Key		
Entity Name	Uzivatele		
Attribute	Order	Foreign Key	
idUzivatel	ASC	NO	

Key Properties

Index Type	Default
------------	---------

Key 'Key18'

Caption	Key18		
Key Type	Primary Key		
Entity Name	Uzivatele		
Attribute	Order	Foreign Key	
idUzivatel	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'id'

Caption	id		
Key Type	Alternate Key		
Entity Name	Vzorek		
Attribute	Order	Foreign Key	
idVzorek	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key6'

Caption	Key6		
Key Type	Primary Key		
Entity Name	Vzorek		
Attribute	Order	Foreign Key	
idVzorek	ASC	NO	
idMineral	ASC	YES	
idIntenzitaLuminiscence	ASC	YES	
idBarvaLuminiscence	ASC	YES	
idPuvodHorniny	ASC	YES	
idGeologickaJednotka	ASC	YES	
idKlasifikace	ASC	YES	
idKraj	ASC	YES	
idTypVzorek	ASC	YES	
idUzivatel	ASC	YES	
idGeografickaJednotka	ASC	YES	

Key Properties

Index Type	Default
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Index Report

Index Name	Unique	Entity Name
IX_Relationship8	NO	Uzivatele



Toad Data Modeler
FREWARE VERSION

Index 'IX_Relationship8'

Caption	IX_Relationship8			
Entity Name	Uzivatele			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
FK_idUzivatel	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------



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Relationship Report

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
autorBarvaLuminiscence	Identifying	Uzivatele	BarvaLuminiscence	1:N
autorFoto	Identifying	Uzivatele	Foto	1:N
autorGeografickaJednotka	Identifying	Uzivatele	GeografickaJednotka	1:N
autorGeologickaJednotka	Identifying	Uzivatele	GeologickaJednotka	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorIntenzitaLuminiscence	Identifying	Uzivatele	IntenzitaLuminiscence	1:N
autorKlasifikace	Identifying	Uzivatele	Klasifikace	1:N
autorKraj	Identifying	Uzivatele	Kraj	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorMineral	Identifying	Uzivatele	Mineral	1:N
autorOpraveni	Identifying	Uzivatele	Opraveni	1:N
autorPomKlasifikace	Identifying	Uzivatele	PomKlasifikace	1:N
autorPovoleneDvojiceKlasifikaceAPuvodHorniny	Identifying	Uzivatele	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
autorPovoleneDvojiceTypVzorekAMineral	Identifying	Uzivatele	PovoleneDvojiceTypVzorekAMineral	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorPristroj	Identifying	Uzivatele	Pristroj	1:N
autorPuvodHorniny	Identifying	Uzivatele	PuvodHorniny	1:N
autorSpektrum	Identifying	Uzivatele	Spektrum	1:N
autorSpojeniFS	Identifying	Uzivatele	SpojeniFS	1:N
autorSpojeniUzivateleOpraveni	Identifying	Uzivatele	SpojeniUzivateleOpraveni	1:N
autorTypCL	Identifying	Uzivatele	TypCL	1:N
autorTypVzorek	Identifying	Uzivatele	TypVzorek	1:N
autorUpravaVzorku	Identifying	Uzivatele	UpravaVzorku	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
autorVzorek	Identifying	Uzivatele	Vzorek	1:N
barvaLuminiscence	Identifying	BarvaLuminiscence	Vzorek	1:N
catodeLuminiscence	Identifying	Pristroj	TypCL	1:N
geografickaJednotka	Identifying	GeografickaJednotka	Vzorek	1:N
geologickaJednotka	Identifying	GeologickaJednotka	Vzorek	1:N
intenzitaLuminiscence	Identifying	IntenzitaLuminiscence	Vzorek	1:N
jeMineralem	Identifying	Mineral	Vzorek	1:N
jeMozno1	Identifying	TypVzorek	PovoleneDvojiceTypVzorekAMineral	1:N
jeMozno2	Identifying	Mineral	PovoleneDvojiceTypVzorekAMineral	1:N
jeMozno3	Identifying	Klasifikace	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
jeMozno4	Identifying	PuvodHorniny	PovoleneDvojiceKlasifikaceAPuvodHorniny	1:N
klasifikace	Identifying	Klasifikace	Vzorek	1:N
ma	Identifying	Foto	SpojeniFS	1:N

ma2	Identifying	Spektrum	SpojeniFS	1:N
maFoto	Identifying	Mereni	Foto	1:N
maMereni	Identifying	Vzorek	Mereni	1:N
maOpraveni1	Identifying	Uzivatele	SpojeniUzavatelOpraveni	1:N
maOpraveni2	Identifying	Opraveni	SpojeniUzavatelOpraveni	1:N
maPrilohu	Identifying	Vzorek	Prilohy	1:N
maSpektrum	Identifying	Mereni	Spektrum	1:N
merenoNa	Identifying	Pristroj	Mereni	1:N
nalezenVKraji	Identifying	Kraj	Vzorek	1:N
namereneHodnoty	Identifying	Spektrum	Hodnoty	1:N
pomocnaKlasifikace	Identifying	PomKlasifikace	Spektrum	1:N
puvodHorniny	Identifying	PuvodHorniny	Vzorek	1:N
typVzorku	Identifying	TypVzorek	Vzorek	1:N



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Relationship Name 'autorBarvaLuminiscence'

Caption	autorBarvaLuminiscence		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	BarvaLuminiscence		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorFoto'

Caption	autorFoto		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Foto		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorGeografickaJednotka'

Caption	autorGeografickaJednotka		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	GeografickaJednotka		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorGeologickaJednotka'

Caption	autorGeologickaJednotka		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	GeologickaJednotka		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorHodnoty'

Caption	autorHodnoty		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorIntenzitaLuminiscence'

Caption	autorIntenzitaLuminiscence		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	IntenzitaLuminiscence		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorKlasifikace'

Caption	autorKlasifikace		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Klasifikace		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorKraj'

Caption	autorKraj		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Kraj		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorMereni'

Caption	autorMereni		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorMineral'

Caption	autorMineral		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Mineral		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorOpravneni'

Caption	autorOpravneni		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Opravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorPomKlasifikace'

Caption	autorPomKlasifikace		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	PomKlasifikace		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	idUzivatel

Relationship Name 'autorPovoleneDvojiceKlasifikaceAPuvodHorniny'

Caption	autorPovoleneDvojiceKlasifikaceAPuvodHorniny		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	PovoleneDvojiceKlasifikaceAPuvodHorniny		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorPovoleneDvojiceTypVzorekAMineral'

Caption	autorPovoleneDvojiceTypVzorekAMineral		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	PovoleneDvojiceTypVzorekAMineral		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorPrilohy'

Caption	autorPrilohy		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorPristroj'

Caption	autorPristroj		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Pristroj		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorPuvodHorniny'

Caption	autorPuvodHorniny		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	PuvodHorniny		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorSpektrum'

Caption	autorSpektrum		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Spektrum		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorSpojeniFS'

Caption	autorSpojeniFS		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniFS		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorSpojeniUzivatelOpravneni'

Caption	autorSpojeniUzivatelOpravneni		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniUzavatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatelAutor

Relationship Name 'autorTypCL'

Caption	autorTypCL		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	TypCL		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorTypVzorek'

Caption	autorTypVzorek		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	TypVzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorUpravaVzorku'

Caption	autorUpravaVzorku		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	UpravaVzorku		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'autorUzivatele'

Caption	autorUzivatele		
Relationship Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Uzivatele		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	FK_idUzivatel

Relationship Name 'autorVzorek'

Caption	autorVzorek		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship Name 'barvaLuminiscence'

Caption	barvaLuminiscence		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	YES		
Parent Entity	BarvaLuminiscence		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idBarvaLuminiscence'	idBarvaLuminiscence	idBarvaLuminiscence

Relationship Name 'catodeLuminiscence'

Caption	catodeLuminiscence		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	YES		
Parent Entity	Pristroj		
Child Entity	TypCL		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'Attribute1'	idPristroj	idPristroj

Relationship Name 'geografickaJednotka'

Caption	geografickaJednotka		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	GeografickaJednotka		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idBarvaLuminiscence'	idGeografickaJednotka	idGeografickaJednotka

Relationship Name 'geologickaJednotka'

Caption	geologickaJednotka		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	GeologickaJednotka		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idBarvaLuminiscence'	idGeologickaJednotka	idGeologickaJednotka

Relationship Name 'intenzitaLuminiscence'

Caption	intenzitaLuminiscence		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	IntenzitaLuminiscence		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idBarvaLuminiscence'	idIntenzitaLuminiscence	idIntenzitaLuminiscence

Relationship Name 'jeMineralem'

Caption	jeMineralem		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mineral		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idMineral	idMineral

Relationship Name 'jeMozno1'

Caption	jeMozno1		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	TypVzorek		
Child Entity	PovoleneDvojiceTypVzorekAMineral		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idTypVzorek	idTypVzorek

Relationship Name 'jeMozno2'

Caption	jeMozno2		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mineral		
Child Entity	PovoleneDvojiceTypVzorekAMineral		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idMineral	idMineral

Relationship Name 'jeMozno3'

Caption	jeMozno3		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Klasifikace		
Child Entity	PovoleneDvojiceKlasifikaceAPuvodHorniny		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idKlasifikace	idKlasifikace

Relationship Name 'jeMozno4'

Caption	jeMozno4		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	PuvodHorniny		
Child Entity	PovoleneDvojiceKlasifikaceAPuvodHorniny		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idBarvaLuminiscence'	idPuvodHorniny	idPuvodHorniny

Relationship Name 'klasifikace'

Caption	klasifikace		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Klasifikace		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idKlasifikace	idKlasifikace

Relationship Name 'ma'

Caption	ma		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Foto		
Child Entity	SpojeniFS		

Referential Integrity

	Update	Delete
Parent	NO ACTION	CASCADE

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idFoto'	idFoto	idFoto

Relationship Name 'ma2'

Caption	ma2		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Spektrum		
Child Entity	SpojeniFS		

Referential Integrity

	Update	Delete
Parent	NO ACTION	CASCADE

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idSpektrum'	idSpektrum	idSpektrum

Relationship Name 'maFoto'

Caption	maFoto		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereri		
Child Entity	Foto		

Referential Integrity

	Update	Delete
Parent	NO ACTION	CASCADE

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereri'	idMereri	idMereri

Relationship Name 'maMereni'

Caption	maMereni		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Vzorek		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	CASCADE

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idVzorek	idVzorek

Relationship Name 'maOpravneni1'

Caption	maOpravneni1		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniUzavatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	idUzivatel

Relationship Name 'maOpravneni2'

Caption	maOpravneni2		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Opravneni		
Child Entity	SpojeniUzavatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idOpravneni'	idOpravneni	idOpravneni

Relationship Name 'maPrilohu'

Caption	maPrilohu		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Vzorek		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idVzorek	idVzorek

Relationship Name 'maSpektrum'

Caption	maSpektrum		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Spektrum		

Referential Integrity

	Update	Delete
Parent	NO ACTION	CASCADE

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereni'	idMereni	idMereni

Relationship Name 'merenoNa'

Caption	merenoNa		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Pristroj		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'Attribute1'	idPristroj	idPristroj

Relationship Name 'nalezenVKraji'

Caption	nalezenVKraji		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Kraj		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idKraj'	idKraj	idKraj

Relationship Name 'namereneHodnoty'

Caption	namereneHodnoty		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Spektrum		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	NO ACTION	CASCADE

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idSpektrum'	idSpektrum	idSpektrum

Relationship Name 'pomocnaKlasifikace'

Caption	pomocnaKlasifikace		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	PomKlasifikace		
Child Entity	Spektrum		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idPomKlasifikace	idPomKlasifikace

Relationship Name 'puvodHorniny'

Caption	puvodHorniny		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	PuvodHorniny		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idBarvaLuminiscence'	idPuvodHorniny	idPuvodHorniny

Relationship Name 'typVzorku'

Caption	typVzorku		
Relationship Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	YES		
Parent Entity	TypVzorek		
Child Entity	Vzorek		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'id'	idTypVzorek	idTypVzorek

Statistic Information

Entities	25				
Attributes	194				
Domains	0				
User Data Types	0				
Relationships	50	Identifying	49	Non-identifying	1
Indexes	1				
Keys	60	Primary Keys	25	Alternate Keys	35
Entity Triggers	0				
Views	0				
View Relationships	0				
Procedures	0				
Functions	0				
Defaults	0				
Databases	1				
Users	0				
User Groups	0				
Notes	0				



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