
PHYSICAL MODEL

FOR PROJECT

MODEL

MySQL 5.6

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Version

Created: 9.5.2022
Last Modified: 28.2.2023

Model Description

Entity Report

Full Name	Primary Key	# Attributes
Hodnoty	idHodnoty, idUzivatel, idMereni	6
Mereni	idMereni, idUzivatel, idMineralni	7
Mineralni	idMineralni, idUzivatel	11
Opravneni	idOpravneni, idUzivatel	6
Prilohy	idPrilohy, idUzivatel	11
SpojeniUzivatelOpravneni	idUzivatel, idOpravneni, idUzivatelAutor	5
Uzivatele	idUzivatel	7

Entity 'Hodnoty'

Caption	Hodnoty
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key12'

Attribute		Type	Parent Entity					
idHodnoty		PK	-----					
idUzivatel		PFK	Uzivatele					
idMereni		PFK	Mereni, Mereni, Mereni					
Key	Full 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	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idMereni		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
MereniMaHodnoty	Identifying	Mereni	Hodnoty	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N

Keys

Type	Full Name	Attributes
PK	Key12	idHodnoty, idUzivatel, idMereni
AK	idHodnoty	idHodnoty

Entity 'Mereni'

Caption	Mereni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key8'

Attribute		Type	Parent Entity					
idMereni		PK	-----					
idUzivatel		PFK	Uzivatele					
idMineralni		PFK	Mineralni, Mineralni					

Key	Full 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	
	hlavicka		Text	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(300)	YES	NO	NO	NO	
PFK	idMineralni		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
MereniMaHodnoty	Identifying	Mereni	Hodnoty	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
MineralniMaMereni	Identifying	Mineralni	Mereni	1:N
MereniMaPrilohy	Non-identifying	Mereni	Prilohy	1:N

Keys

Type	Full Name	Attributes
PK	Key8	idMereni, idUzivatel, idMineralni
AK	idMereni	idMereni

Entity 'Mineralni'

Caption	Mineralni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key21'

Attribute		Type	Parent Entity					
idMineralni		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMineralni		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(500)	YES	NO	NO	NO	
	formule		Varchar(300)	NO	NO	NO	NO	
	IMAstatus		Varchar(300)	YES	NO	NO	NO	
	IMAYear		Varchar(300)	NO	NO	NO	NO	
	country		Varchar(300)	NO	NO	NO	NO	
	reference1		Text	NO	NO	NO	NO	
	reference2		Text	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	datum		Datetime(0)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorKarty	Identifying	Uzivatele	Mineralni	1:N
maPrilohy	Non-identifying	Mineralni	Prilohy	1:N
MineralniMaMereni	Identifying	Mineralni	Mereni	1:N

Entity 'Opravneni'

Caption	Opravneni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key19'

Attribute		Type	Parent Entity					
idOpravneni		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full 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

Full Name	Type	Parent Entity	Child Entity	Card.
maOpravneni2	Identifying	Opravneni	SpojeniUzivatelOpravneni	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N

Keys

Type	Full Name	Attributes
PK	Key19	idOpravneni, idUzivatel
AK	idOpravneni	idOpravneni
AK	nazev	nazev

Entity 'Prilohy'

Caption	Prilohy
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key15'

Attribute				Type	Parent Entity			
idPrilohy				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full 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	
	obsahSoubor		Longblob	YES	NO	NO	NO	
FK	idKarty		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	typPrilohy		Int(11)	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
FK	idMereni		Int(11)	NO	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maPrilohy	Non-identifying	Mineralni	Prilohy	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
MereniMaPrilohy	Non-identifying	Mereni	Prilohy	1:N

Keys

Type	Full Name	Attributes
PK	Key15	idPrilohy, idUzivatel
AK	idPrilohy	idPrilohy

Indexes

Full Name	Attributes	Unique
IX_maPrilohy	idKarty, idKarty	NO
IX_Relationship2	idMereni, idMereni, idMereni	NO

Entity 'SpojeniUzivatelOpravneni'

Caption	SpojjeniUzivatelOpravneni
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key20'

Attribute	Type	Parent Entity
idUzivatel	PFK	Uzivatele
idOpravneni	PFK	Opravneni
idUzivatelAutor	PFK	Uzivatele

Key	Full 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

Full Name	Type	Parent Entity	Child Entity	Card.
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	Spojenuzivateloopravneni	1:N
maOpravneni2	Identifying	Opravneni	Spojenuzivateloopravneni	1:N
maOpravneni1	Identifying	Uzivatele	Spojenuzivateloopravneni	1:N

Entity 'Uzivatele'

Caption	Uzivatele
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Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key18'

Attribute				Type	Parent Entity			
idUzivatel				PK	-----			
Key	Full 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	
	datum		Datetime	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
FK	FK_idUzivatel		Int(11)	NO	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	SpojeniUzivatelOpravneni	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N
maOpravneni1	Identifying	Uzivatele	SpojeniUzivatelOpravneni	1:N
autorKarty	Identifying	Uzivatele	Mineralni	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N

Keys

Type	Full Name	Attributes
PK	Key18	idUzivatel
AK	idUzivatel	idUzivatel

Indexes

Full Name	Attributes	Unique
IX_Relationship8	FK_idUzivatel	NO

¹⁾Not Null

²⁾Unique

³⁾Check

⁴⁾Default

Attribute Report

Full Name	Entity	Domain	Data Type	PK	FK
datum	Hodnoty		Datetime	NO	NO
idHodnoty	Hodnoty		Int(11)	YES	NO
idMereni	Hodnoty		Int(11)	YES	YES
idUzivatel	Hodnoty		Int(11)	YES	YES
x	Hodnoty		Float	NO	NO
y	Hodnoty		Float	NO	NO
datum	Mereni		Datetime	NO	NO
hlavicka	Mereni		Text	NO	NO
idMereni	Mereni		Int(11)	YES	NO
idMineralni	Mereni		Int(11)	YES	YES
idUzivatel	Mereni		Int(11)	YES	YES
nazev	Mereni		Varchar(300)	NO	NO
platnost	Mereni		Bool	NO	NO
country	Mineralni		Varchar(300)	NO	NO
datum	Mineralni		Datetime(0)	NO	NO
formule	Mineralni		Varchar(300)	NO	NO
idMineralni	Mineralni		Int(11)	YES	NO
idUzivatel	Mineralni		Int(11)	YES	YES
IMAsatus	Mineralni		Varchar(300)	NO	NO
IMAYear	Mineralni		Varchar(300)	NO	NO
nazev	Mineralni		Varchar(500)	NO	NO
platnost	Mineralni		Bool	NO	NO
reference1	Mineralni		Text	NO	NO
reference2	Mineralni		Text	NO	NO
datum	Opravneni		Datetime	NO	NO
idOpravneni	Opravneni		Int(11)	YES	NO
idUzivatel	Opravneni		Int(11)	YES	YES
nazev	Opravneni		Varchar(100)	NO	NO
platnost	Opravneni		Bool	NO	NO
poznamka	Opravneni		Text	NO	NO
datum	Prilohy		Datetime	NO	NO
idKarty	Prilohy		Int(11)	NO	YES
idMereni	Prilohy		Int(11)	NO	YES
idPrilohy	Prilohy		Int(11)	YES	NO
idUzivatel	Prilohy		Int(11)	YES	YES
nazev	Prilohy		Varchar(100)	NO	NO
nazevSoubor	Prilohy		Varchar(100)	NO	NO
obsahSoubor	Prilohy		Longblob	NO	NO
platnost	Prilohy		Bool	NO	NO
typPrilohy	Prilohy		Int(11)	NO	NO
typSoubor	Prilohy		Varchar(100)	NO	NO
datum	SpojzeniUzivatelOpravne ni		Datetime	NO	NO
idOpravneni	SpojzeniUzivatelOpravne ni		Int(11)	YES	YES
idUzivatel	SpojzeniUzivatelOpravne ni		Int(11)	YES	YES
idUzivatelAutor	SpojzeniUzivatelOpravne ni		Int(11)	YES	YES

platnost	SpojeniUzivatelOpravne ni		Bool	NO	NO
datum	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

Attribute 'datum'

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

Attribute 'idHodnoty'

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

Attribute Properties

Autoincrement	YES
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Attribute 'idMereni'

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

Attribute 'idUzivatel'

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

Attribute 'x'

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

Attribute 'y'

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

Attribute 'datum'

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

Attribute 'hlavicka'

Caption	hlavicka
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	YES
Unique	NO

Attribute 'idMereni'

Caption	idMereni
Entity	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 'idMineralni'

Caption	idMineralni		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mineralni, Mineralni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

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

Attribute 'nazev'

Caption	nazev
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(300)
Not Null	YES
Unique	NO

Attribute 'platnost'

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

Attribute 'country'

Caption	country
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(300)
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime(0)
Not Null	YES
Unique	NO

Attribute 'formule'

Caption	formule
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(300)
Not Null	NO
Unique	NO

Attribute 'idMineralni'

Caption	idMineralni
Entity	Mineralni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'idUzivatel'

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

Attribute 'IMAstatus'

Caption	IMAstatus
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(300)
Not Null	YES
Unique	NO

Attribute 'IMAYear'

Caption	IMAYear
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(300)
Not Null	NO
Unique	NO

Attribute 'nazev'

Caption	nazev
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(500)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'reference1'

Caption	reference1
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'reference2'

Caption	reference2
Entity	Mineralni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

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

Attribute 'idOpraveni'

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

Attribute 'nazev'

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

Attribute 'platnost'

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

Attribute 'poznamka'

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

Attribute 'datum'

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

Attribute 'idKarty'

Caption	idMineralni		
Entity	Prilohy		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Mineralni, Mineralni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMereni'

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

Attribute 'idPrilohy'

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

Attribute 'nazev'

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

Attribute 'nazevSoubor'

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

Attribute 'obsahSoubor'

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

Attribute 'platnost'

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

Attribute 'typPrilohy'

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

Attribute 'typSoubor'

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

Attribute 'datum'

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

Attribute 'idOpraveni'

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

Attribute 'idUzivatel'

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

Attribute 'idUzivatelAutor'

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

Attribute 'platnost'

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

Attribute 'datum'

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

Attribute 'datumZalozeni'

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

Attribute 'FK_idUzivatel'

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

Attribute 'heslo'

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

Attribute 'idUzivatel'

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

Attribute 'platnost'

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

Key Report

Type	Full Name	Entity
AK	idHodnoty	Hodnoty
PK	Key12	Hodnoty
AK	idMereni	Mereni
PK	Key8	Mereni
PK	Key21	Mineralni
AK	idOpraveni	Opraveni
PK	Key19	Opraveni
AK	nazev	Opraveni
AK	idPrilohy	Prilohy
PK	Key15	Prilohy
PK	Key20	SpojeniUzivatelOpraveni
AK	idUzivatel	Uzivatele
PK	Key18	Uzivatele

Key 'idHodnoty'

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

Key Properties

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

Key 'Key12'

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

Key Properties

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

Key 'idMereni'

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

Key Properties

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

Key 'Key8'

Caption	Key8		
Type	Primary Key		
Entity	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	
idUzivatel	ASC	YES	
idMineralni	ASC	YES	

Key Properties

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

Key 'Key21'

Caption	Key21		
Type	Primary Key		
Entity	Mineralni		
Attribute	Order	Foreign Key	
idMineralni	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

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

Key 'idOpravneni'

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

Key Properties

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

Key 'Key19'

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

Key Properties

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

Key 'nazev'

Caption	nazev		
Type	Alternate Key		
Entity	Opravneni		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

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

Key 'idPrilohy'

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

Key Properties

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

Key 'Key15'

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

Key Properties

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

Key 'Key20'

Caption	Key20		
Type	Primary Key		
Entity	SpojeniUzivatelOpravneni		
Attribute	Order	Foreign Key	
idUzivatel	ASC	YES	
idOpravneni	ASC	YES	
idUzivatelAutor	ASC	YES	

Key Properties

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

Key 'idUzivatel'

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

Key Properties

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

Key 'Key18'

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

Key Properties

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

Index Report

Full Name	Unique	Entity
IX_maPrilohy	NO	Prilohy
IX_Relationship2	NO	Prilohy
IX_Relationship8	NO	Uzivatele

Index 'IX_maPrilohy'

Caption	IX_maPrilohy			
Entity	Prilohy			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idKarty	ASC	NO	YES	
idKarty	ASC	NO	YES	

Index Properties

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

Index 'IX_Relationship2'

Caption	IX_Relationship2			
Entity	Prilohy			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idMereni	ASC	NO	YES	
idMereni	ASC	NO	YES	
idMereni	ASC	NO	YES	

Index Properties

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

Index 'IX_Relationship8'

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

Index Properties

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

Relationship Report

Full Name	Type	Parent Entity	Child Entity	Card.
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorKarty	Identifying	Uzivatele	Mineralni	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	Spojenuzivatelo opravneni	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
maOpravneni1	Identifying	Uzivatele	Spojenuzivatelo opravneni	1:N
maOpravneni2	Identifying	Opravneni	Spojenuzivatelo opravneni	1:N
maPrilohy	Non-identifying	Mineralni	Prilohy	1:N
MereniMaHodnoty	Identifying	Mereni	Hodnoty	1:N
MereniMaPrilohy	Non-identifying	Mereni	Prilohy	1:N
MineralniMaMereni	Identifying	Mineralni	Mereni	1:N

Relationship 'autorHodnoty'

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

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

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

Relationship 'autorKarty'

Caption	autorKarty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Mineralni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

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

Relationship 'autorMereni'

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

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

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

Relationship 'autorOpravneni'

Caption	autorOpravneni		
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 'autorPrilohy'

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

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

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

Relationship 'autorSpojeniUzivatelOpravneni'

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

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

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

Relationship 'autorUzivatele'

Caption	autorUzivatele		
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	Key18

Relationship 'maOpravneni1'

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

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

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

Relationship 'maOpravneni2'

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

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

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

Relationship 'maPrilohy'

Caption	maPrilohy		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mineralni		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idMineralni	Key21
	idUzivatel	Key21

Relationship 'MereniMaHodnoty'

Caption	MereniMaHodnoty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key8'	idMereni	Key8
	idUzivatel	Key8
	idMineralni	Key8

Relationship 'MereniMaPrilohy'

Caption	MereniMaPrilohy		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key8'	idMereni	Key8
	idUzivatel	Key8
	idMineralni	Key8

Relationship 'MineralniMaMereni'

Caption	MineralniMaMereni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mineralni		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idMineralni	Key21
	idUzivatel	Key21

Statistic Information

Entities	7				
Attributes	53				
Domains	0				
User Data Types	0				
Relationships	13	Identifying	10	Non-identifying	3
Indexes	3				
Keys	13	Primary Keys	7	Alternate Keys	6
Entity Triggers	0				
Views	0				
View Relationships	0				
Procedures	0				
Functions	0				
Defaults	0				
Databases	0				
Users	0				
User Groups	0				
Notes	0				