Database model documentation

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created with
Vertabelo

1. Model details

Model name:

ER d

Version:

2.4

Database engine:

MySQL

Description:

2. Tables

2.1. Table Users

2.1.1. Columns

Column name	Type	Properties	Description
id	int	PK	
username	varchar(30)		
password	varchar(30)		
email	varchar(30)		
type	varchar(30)		
insolvent	boolean	null	

2.2. Table OptionalProducts

2.2.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(30)		
monthlyFee	int		

2.3. Table Packages

2.3.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(30)		

2.4. Table Packages_OptionalProducts

2.4.1. Columns

Column name	Type	Properties	Description
packageId	int	null	
productId	int	null	

2.5. Table Rate_costs

2.5.1. Columns

Column name	Type	Properties	Description
id	int	PK	
monthValidity	int		
cost	int		
packageId	int	null	

2.6. Table services

2.6.1. Columns

Column name	Type	Properties	Description
id	int	PK	
packageId	int		
DTYPE	varchar(3)	null	

2.7. Table mobile_phone_services

2.7.1. Columns

Column name	Type	Properties	Description
id	int	PK	
minutes	int		
sms	int		
extraMinutesFee	float		
extraSMSFee	float		

2.8. Table mobile_internet_services

2.8.1. Columns

Column name	Type	Properties	Description
id	int	PK	
gigabyte	int		
extraFee	float		

2.9. Table Orders

2.9.1. Columns

Column name	Type	Properties	Description
id	int	PK	
creationDate	datetime	null	
userId	int	null	
packageId	int	null	
rateId	int	null	
startDate	date	null	
totalPayment	float	null	
status	bool	null	

2.10. Table Orders_OptionalProducts

2.10.1. Columns

Column name	Type	Properties	Description
orderId	int	null	
productId	int	null	

2.11. Table FailedPayments

2.11.1. Columns

Column name	Type	Properties	Description
userId	int	null	
orderId	int	null	
faildate	datetime	null	

3. References

3.1. Reference FK_0

Packages	0..*	Packages_OptionalProducts
id	<->	packageId

3.2. Reference FK_1

OptionalProducts	0..*	Packages_OptionalProducts
id	<->	productId

3.3. Reference FK_2

Packages	0..*	Rate_costs
id	<->	packageId

3.4. Reference FK_3

Packages	0..*	services
id	<->	packageId

3.5. Reference FK_4

services	0..1	mobile_phone_services
id	<->	id

3.6. Reference FK_5

services	0..1	mobile_internet_services
id	<->	id

3.7. Reference FK_6

Rate_costs	0..*	Orders
id	<->	rateId

3.8. Reference FK_7

Rate_costs	0..*	Orders
id	<->	packageId

3.9. Reference FK_8

Orders	0..*	Orders_OptionalProducts
id	<->	orderId

3.10. Reference FK_9

OptionalProducts	0..*	Orders_OptionalProducts
id	<->	productId

3.11. Reference FK_10

Users	0..*	FailedPayments
id	<->	userId

3.12. Reference FK_11

Orders	0..*	FailedPayments
id	<->	orderId