

Database model

Package in package 'Model'

Database model
Version Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 08.04.2017

Database model diagram

Class diagram in package 'Database model'

Database model
Version 1.0
Yevhen Kuzmovych created on 21.03.2017. Last modified 06.05.2017

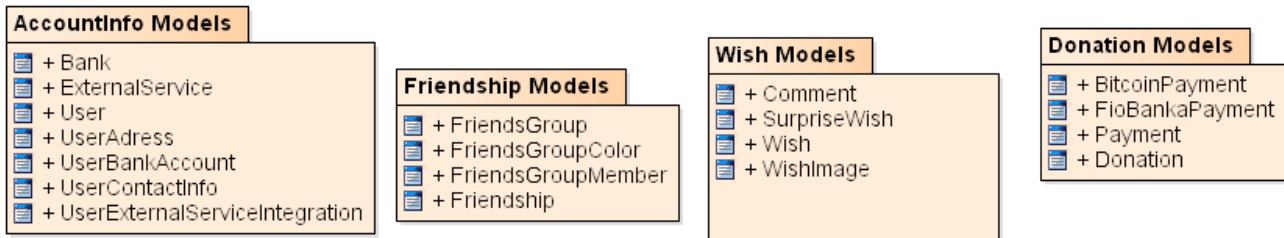


Figure 1: Database model

AccountInfo Models

Package in package 'Database model'

AccountInfo Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

Donation Models

Package in package 'Database model'

Donation Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

Friendship Models

Package in package 'Database model'

Friendship Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

Wish Models

Package in package 'Database model'

Wish Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

AccountInfo Models

Package in package 'Database model'

AccountInfo Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

AccountInfo Models diagram

Data Modeling diagram in package 'AccountInfo Models'

AccountInfo Models
Version 1.0
Yevhen Kuzmovych created on 21.03.2017. Last modified 06.05.2017

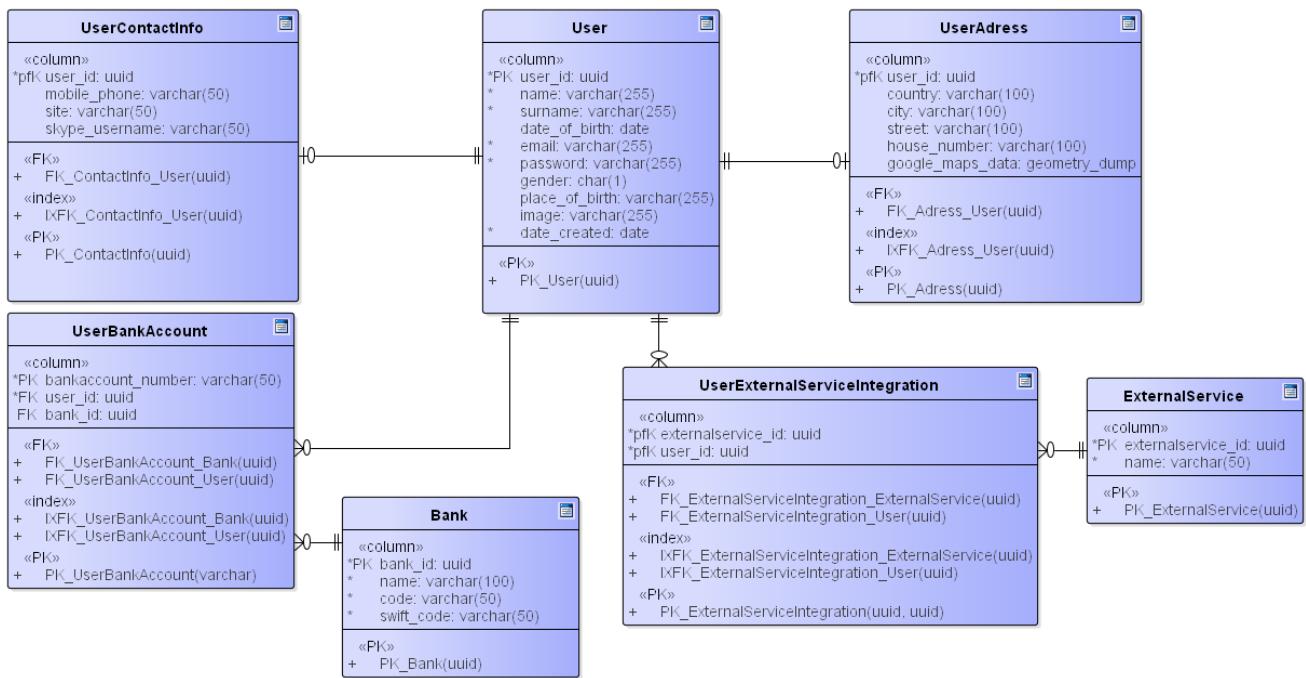


Figure 2: AccountInfo Models

Bank

Database table in package 'AccountInfo Models'

Bank
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
bank_id	uuid	True	
name	varchar(100)	True	
code	varchar(50)	True	
swift_code	varchar(50)	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_Bank	bank_id	

ExternalService

Database table in package 'AccountInfo Models'

ExternalService
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
externalservice_id	uuid	True	
name	varchar(50)	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_ExternalService	externalservice_id	

User

Database table in package 'AccountInfo Models'

User
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
name	varchar(255)	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
surname	varchar(255)	True	
date_of_birth	date	False	
email	varchar(255)	True	
password	varchar(255)	True	
gender	char(1)	False	
place_of_birth	varchar(255)	False	
image	varchar(255)	False	
date_created	date	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_User	user_id	

UserAddress

Database table in package 'AccountInfo Models'

UserAddress
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
country	varchar(100)	False	
city	varchar(100)	False	
street	varchar(100)	False	
house_number	varchar(100)	False	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
google_maps_data	geometry_dump	False	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_Adress	user_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_Adress_User	user_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_Adress_User	user_id	User(user_id)

UserBankAccount

Database table in package 'AccountInfo Models'

UserBankAccount
 Version 1.0 Phase 1.0 Proposed
 Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
 DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
bankaccount_number	varchar(50)	True	
user_id	uuid	True	
bank_id	uuid	False	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_UserBankAccount	bankaccount_number	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_UserBankAccount_Bank	bank_id	
«index» IXFK_UserBankAccount_User	user_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_UserBankAccount_Bank	bank_id	Bank(bank_id)

FK_UserBankAccount_User	user_id	User(user_id)

UserContactInfo

Database table in package 'AccountInfo Models'

UserContactInfo
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
mobile_phone	varchar(50)	False	
site	varchar(50)	False	
skype_username	varchar(50)	False	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_ContactInfo	user_id	

TYPE / NAME	COLUMNS	COMMENTS
<index> IXFK_ContactInfo_User	user_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_ContactInfo_User	user_id	User(user_id)

UserExternalServiceIntegration

Database table in package 'AccountInfo Models'

UserExternalServiceIntegration
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
externalservice_id	uuid	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
PRIMARY KEY NAME	COLUMNS		COMMENTS
PK_ExternalServiceIntegration	externalservice_id, user_id		
TYPE / NAME	COLUMNS		COMMENTS
<index> FK_ExternalServiceIntegration_ExternalService	externalservice_id		
<index> FK_ExternalServiceIntegration_User	user_id		
FOREIGN KEY NAME	COLUMNS		REFERENCES
FK_ExternalServiceIntegration_User	user_id		User(user_id)
FK_ExternalServiceIntegration_ExternalService	externalservice_id		ExternalService(externalservice_id)

Donation Models

Package in package 'Database model'

Donation Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

Donation Models diagram

Data Modeling diagram in package 'Donation Models'

Donation Models
Version 1.0
Yevhen Kuzmovych created on 21.03.2017. Last modified 06.05.2017

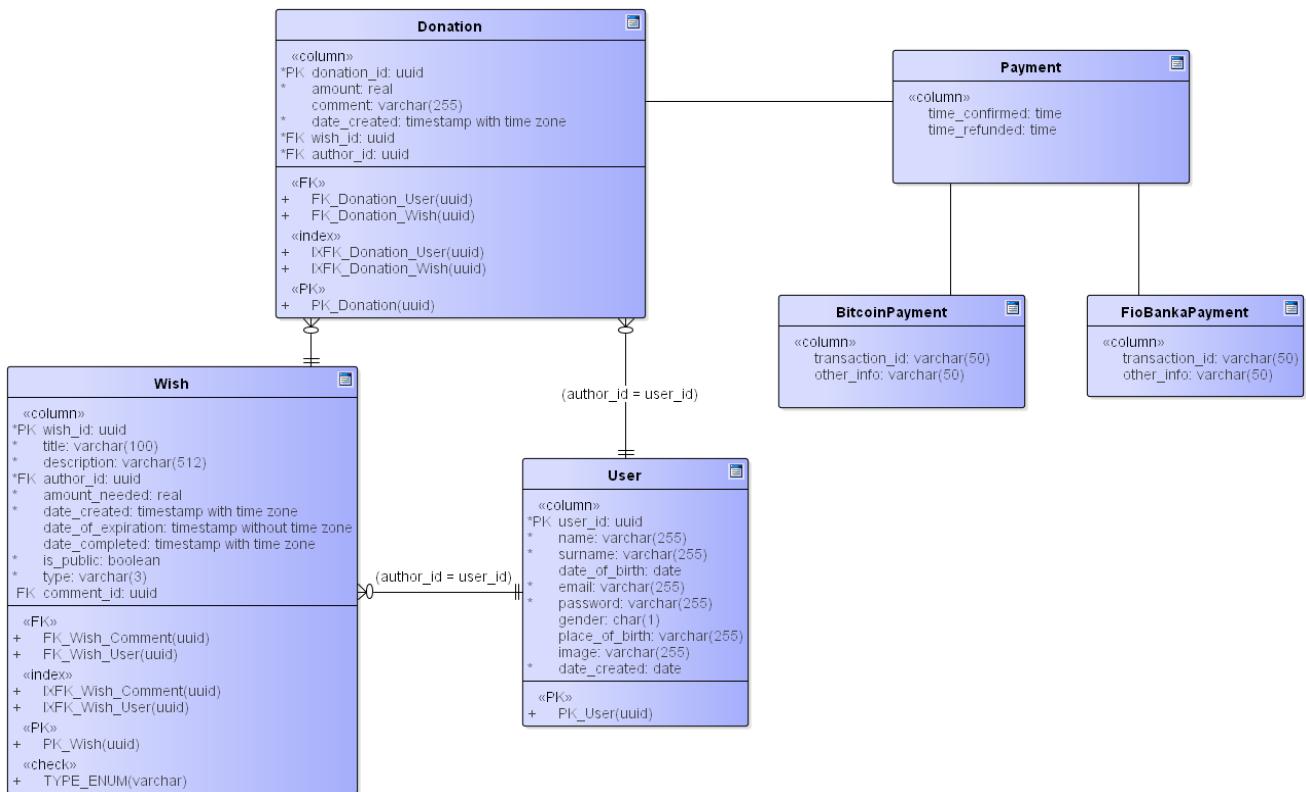


Figure 3: Donation Models

User

Database table in package 'AccountInfo Models'

User
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
name	varchar(255)	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
surname	varchar(255)	True	
date_of_birth	date	False	
email	varchar(255)	True	
password	varchar(255)	True	
gender	char(1)	False	
place_of_birth	varchar(255)	False	
image	varchar(255)	False	
date_created	date	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_User	user_id	

Wish

Database table in package 'Wish Models'

Wish
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
wish_id	uuid	True	
title	varchar(100)	True	
description	varchar(512)	True	
author_id	uuid	True	
amount_needed	real	True	
date_created	timestamp with time zone	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
date_of_expiration	timestamp without time zone	False	
date_completed	timestamp with time zone	False	
is_public	boolean	True	
type	varchar(3)	True	
comment_id	uuid	False	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_Wish	wish_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_Wish_Comment	comment_id	
«index» IXFK_Wish_User	author_id	
«check» TYPE_ENUM	type	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_Wish_User	author_id	User(user_id)
FK_Wish_Comment	comment_id	Comment(comment_id)

BitcoinPayment

Database table in package 'Donation Models'

BitcoinPayment
Version 1.0 Phase 1.0 Proposed
kuzmovych created on 06.05.2017. Last modified 06.05.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
transaction_id	varchar(50)	False	
other_info	varchar(50)	False	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		Payment()

Donation

Database table in package 'Donation Models'

Donation
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
donation_id	uuid	True	
amount	real	True	
comment	varchar(255)	False	
date_created	timestamp with time zone	True	
wish_id	uuid	True	
author_id	uuid	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_Donation	donation_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_Donation_User	author_id	
«index» IXFK_Donation_Wish	wish_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES

		Payment()
FK_Donation_User	author_id	User(user_id)
FK_Donation_Wish	wish_id	Wish(wish_id)

FioBankaPayment

Database table in package 'Donation Models'

FioBankaPayment
Version 1.0 Phase 1.0 Proposed
kuzmovych created on 06.05.2017. Last modified 06.05.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
transaction_id	varchar(50)	False	
other_info	varchar(50)	False	

FOREIGN KEY NAME	COLUMNS	REFERENCES
		Payment()

Payment

Database table in package 'Donation Models'

Payment
Version 1.0 Phase 1.0 Proposed
kuzmovych created on 06.05.2017. Last modified 06.05.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
time_confirmed	time	False	
time_refunded	time	False	

Friendship Models

Package in package 'Database model'

Friendship Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

Friendship Models diagram

Data Modeling diagram in package 'Friendship Models'

Friendship Models
Version 1.0
Yevhen Kuzmovych created on 21.03.2017. Last modified 06.05.2017

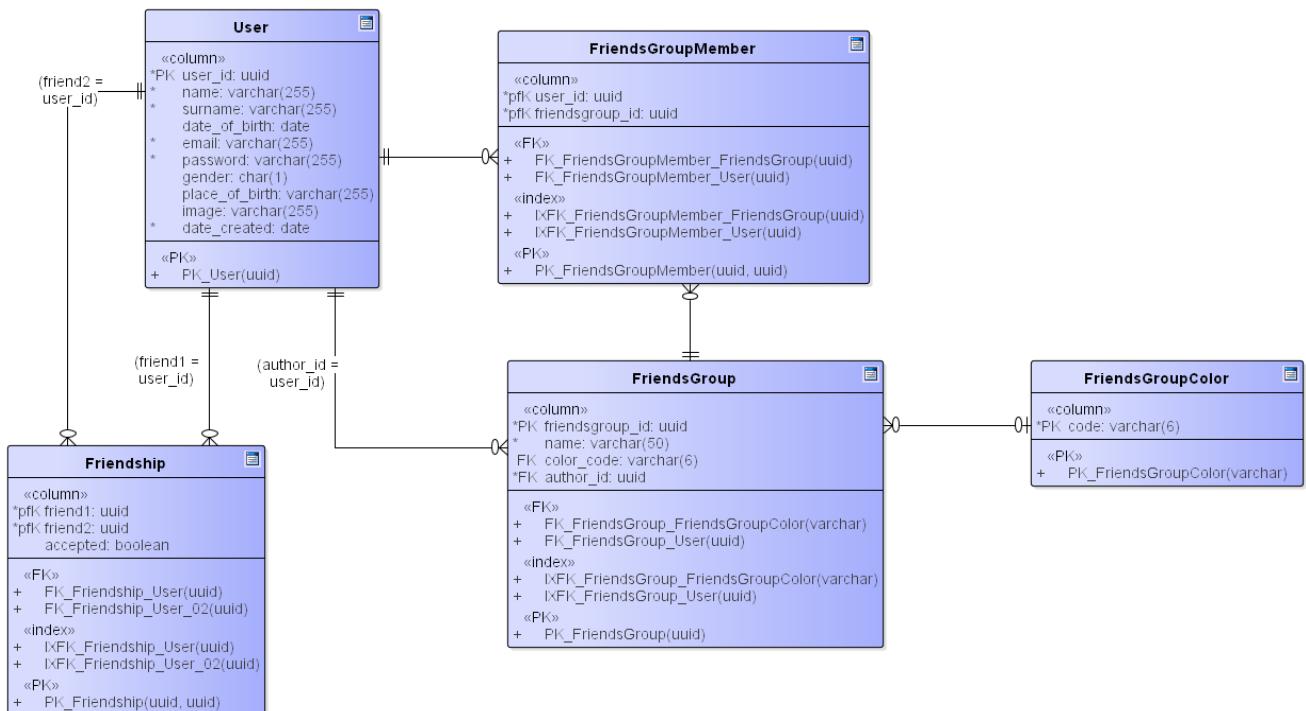


Figure 4: Friendship Models

User

Database table in package 'AccountInfo Models'

User
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
name	varchar(255)	True	
surname	varchar(255)	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
date_of_birth	date	False	
email	varchar(255)	True	
password	varchar(255)	True	
gender	char(1)	False	
place_of_birth	varchar(255)	False	
image	varchar(255)	False	
date_created	date	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_User	user_id	

FriendsGroup

Database table in package 'Friendship Models'

FriendsGroup
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
friendsgroup_id	uuid	True	
name	varchar(50)	True	
color_code	varchar(6)	False	
author_id	uuid	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_FriendsGroup	friendsgroup_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_FriendsGroup_FriendsGroupColor	color_code	
«index» IXFK_FriendsGroup_User	author_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_FriendsGroup_User	author_id	User(user_id)
FK_FriendsGroup_FriendsGroupColor	color_code	FriendsGroupColor(code)

FriendsGroupColor

Database table in package 'Friendship Models'

FriendsGroupColor
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
code	varchar(6)	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_FriendsGroupColor	code	

FriendsGroupMember

Database table in package 'Friendship Models'

FriendsGroupMember
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
friendsgroup_id	uuid	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS

 PK_FriendsGroupMember	user_id, friendsgroup_id	
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TYPE / NAME	COLUMNS	COMMENTS
 «index» IXFK_FriendsGroupMember_FriendsGroup	friendsgroup_id	
 «index» IXFK_FriendsGroupMember_User	user_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
 FK_FriendsGroupMember_User	user_id	User(user_id)
 FK_FriendsGroupMember_FriendsGroup	friendsgroup_id	FriendsGroup(friendsgroup_id)

Friendship

Database table in package 'Friendship Models'

Friendship
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
 friend1	uuid	True	
 friend2	uuid	True	
 accepted	boolean	False	

PRIMARY KEY NAME	COLUMNS	COMMENTS
 PK_Friendship	friend1, friend2	

TYPE / NAME	COLUMNS	COMMENTS
 «index» IXFK_Friendship_User	friend1	
 «index» IXFK_Friendship_User_02	friend2	

FOREIGN KEY NAME	COLUMNS	REFERENCES
 FK_Friendship_User_02	friend2	User(user_id)

FK_Friendship_User	friend1	User(user_id)
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Wish Models

Package in package 'Database model'

Wish Models
Version 1.0 Phase 1.0 Proposed
Yevhen Kuzmovych created on 21.03.2017. Last modified 21.03.2017

Wish Models diagram

Data Modeling diagram in package 'Wish Models'

Wish Models
Version 1.0
Yevhen Kuzmovych created on 21.03.2017. Last modified 06.05.2017

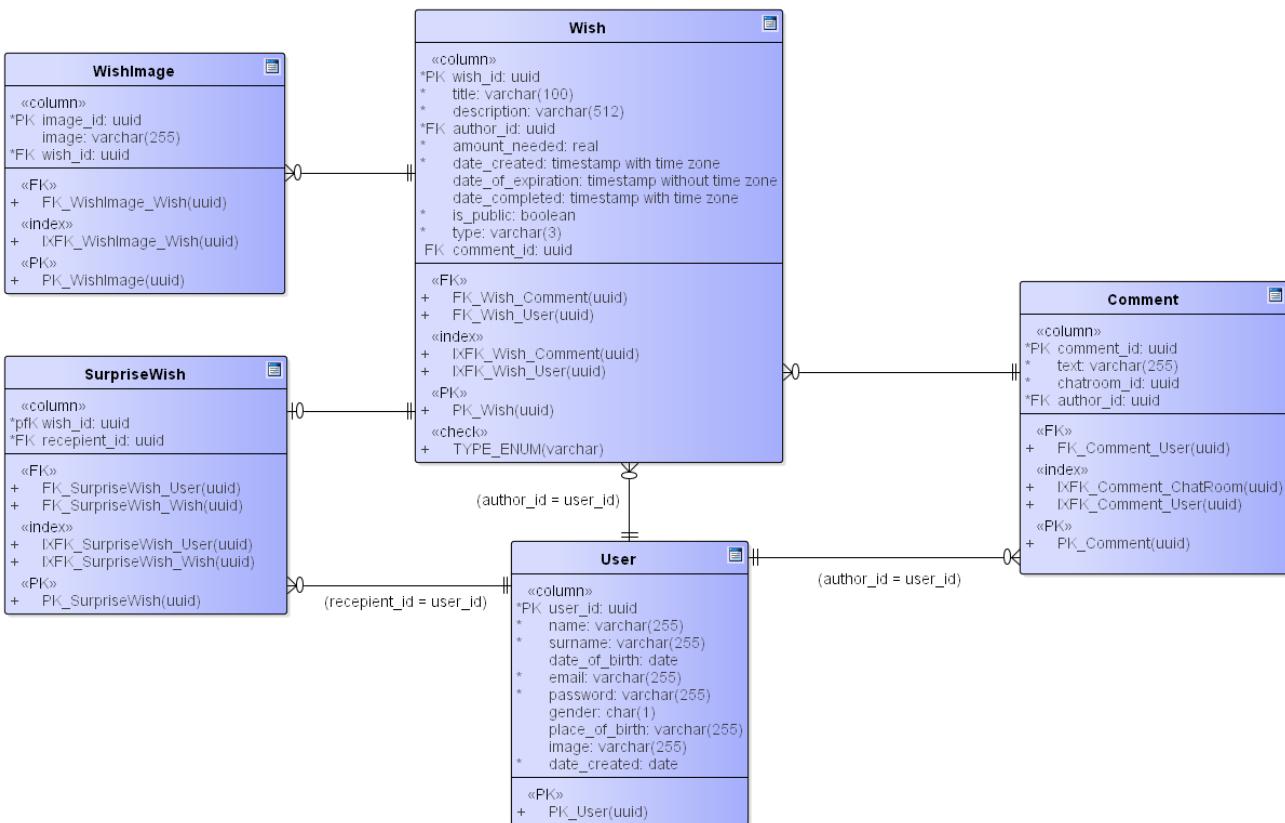


Figure 5: Wish Models

User

Database table in package 'AccountInfo Models'

User
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
user_id	uuid	True	
name	varchar(255)	True	

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
surname	varchar(255)	True	
date_of_birth	date	False	
email	varchar(255)	True	
password	varchar(255)	True	
gender	char(1)	False	
place_of_birth	varchar(255)	False	
image	varchar(255)	False	
date_created	date	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_User	user_id	

Comment

Database table in package 'Wish Models'

Comment
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
comment_id	uuid	True	
text	varchar(255)	True	
chatroom_id	uuid	True	
author_id	uuid	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_Comment	comment_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_Comment_ChatRoom	chatroom_id	
«index» IXFK_Comment_User	author_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_Comment_User	author_id	User(user_id)

SurpriseWish

Database table in package 'Wish Models'

SurpriseWish
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
wish_id	uuid	True	
recipient_id	uuid	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_SurpriseWish	wish_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_SurpriseWish_User	recipient_id	
«index» IXFK_SurpriseWish_Wish	wish_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_SurpriseWish_User	recipient_id	User(user_id)
FK_SurpriseWish_Wish	wish_id	Wish(wish_id)

Wish

Database table in package 'Wish Models'

Wish
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
wish_id	uuid	True	
title	varchar(100)	True	
description	varchar(512)	True	
author_id	uuid	True	
amount_needed	real	True	
date_created	timestamp with time zone	True	
date_of_expiration	timestamp without time zone	False	
date_completed	timestamp with time zone	False	
is_public	boolean	True	
type	varchar(3)	True	
comment_id	uuid	False	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_Wish	wish_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_Wish_Comment	comment_id	
«index» IXFK_Wish_User	author_id	

«check» TYPE_ENUM	type	
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FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_Wish_User	author_id	User(user_id)
FK_Wish_Comment	comment_id	Comment(comment_id)

WishImage

Database table in package 'Wish Models'

WishImage
Version 1.0 Phase 1.0 Proposed
Maksym Balatsko created on 21.03.2017. Last modified 21.03.2017
DBMS PostgreSQL

COLUMN NAME	DATATYPE	NOT NULL	COMMENTS
image_id	uuid	True	
image	varchar(255)	False	
wish_id	uuid	True	

PRIMARY KEY NAME	COLUMNS	COMMENTS
PK_WishImage	image_id	

TYPE / NAME	COLUMNS	COMMENTS
«index» IXFK_WishImage_Wish	wish_id	

FOREIGN KEY NAME	COLUMNS	REFERENCES
FK_WishImage_Wish	wish_id	Wish(wish_id)