Fakulta informatiky a informačných technológií STU v Bratislave

## Beshket

Database Model

### Mobilné technológie a aplikácie

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Tables

1. Users

* This table holds information about users which are already registered. Users have the ability to change, delete or create information to be put into the database.

1. Events

* Table used to store information about the events that are ongoing or upcoming. Links between events and tickets, chats, and images.

1. Tickets

* Table used to store information about user tickets. Links between tickets and events, and users.

1. Chats

* Table which keeps information about chats within the application. Links Chats and events, and users by ID.

1. Messages

* Messages table keeps information about all the messages users have sent. Links messages and chats by id.

1. Images

* Images table stores all pictures used in the application. Links images with evetns, users, by ID.

USERS

CREATE TABLE "users"(

"id" UUID PRIMARY KEY NOT NULL,

"firstname" VARCHAR(100) NOT NULL,

"lastname" VARCHAR(100) NOT NULL,

"image\_id" UUID,

"email" VARCHAR(255) UNIQUE NOT NULL,

"password" BYTEA NOT NULL,

"born\_at" DATE NOT NULL,

"isInterpret" bool NOT NULL,

"created\_at" timestamp with time zone NOT NULL,

"updated\_at" timestamp with time zone NOT NULL,

"deleted\_at" timestamp with time zone

);

EVENTS

CREATE TABLE "events"(

"id" UUID PRIMARY KEY NOT NULL,

"name" VARCHAR(100) NOT NULL,

"image\_id" UUID,

"interpret\_id" UUID NOT NULL,

"place" VARCHAR(100) NOT NULL,

"date" DATE NOT NULL,

"price" DECIMAL NOT NULL,

"detail" TEXT NOT NULL,

"created\_at" timestamp with time zone NOT NULL,

"updated\_at" timestamp with time zone NOT NULL,

"deleted\_at" timestamp with time zone

);

TICKETS

CREATE TABLE "tickets"(

"id" UUID PRIMARY KEY NOT NULL,

"owner\_id" UUID NOT NULL,

"event\_id" UUID NOT NULL,

"qr\_code" BYTEA NOT NULL,

"privilege" TEXT,

"created\_at" timestamp with time zone NOT NULL,

"updated\_at" timestamp with time zone NOT NULL,

"deleted\_at" timestamp with time zone

);

CHATS

CREATE TABLE "chats"(

"id" UUID PRIMARY KEY NOT NULL,

"owner\_id" UUID NOT NULL,

"event\_id" UUID NOT NULL,

"name" varchar(32) NOT NULL,

"description" varchar(255),

"created\_at" timestamp with time zone NOT NULL,

"updated\_at" timestamp with time zone NOT NULL,

"deleted\_at" timestamp with time zone

);

MESSAGES

CREATE TABLE "messages"(

"id" UUID PRIMARY KEY NOT NULL,

"owner\_id" UUID NOT NULL,

"chat\_id" UUID NOT NULL,

"text" TEXT NOT NULL,

"created\_at" timestamp with time zone NOT NULL,

"updated\_at" timestamp with time zone NOT NULL,

"deleted\_at" timestamp with time zone

);

IMAGES

CREATE TABLE "images"(

"id" UUID PRIMARY KEY NOT NULL,

"url" TEXT NOT NULL,

"event\_id" UUID,

"created\_at" timestamp with time zone NOT NULL,

"updated\_at" timestamp with time zone NOT NULL,

"deleted\_at" timestamp with time zone

);

Init SQL for the Database

CREATE TABLE "images"(

    "id" UUID PRIMARY KEY NOT NULL,

    "url" TEXT NOT NULL,

    "event\_id" UUID,

    "created\_at" timestamp with time zone NOT NULL,

    "updated\_at" timestamp with time zone NOT NULL,

    "deleted\_at" timestamp with time zone

);

CREATE TABLE "chats"(

    "id" UUID PRIMARY KEY NOT NULL,

    "owner\_id" UUID NOT NULL,

    "event\_id" UUID NOT NULL,

    "name" varchar(32) NOT NULL,

    "description" varchar(255),

    "created\_at" timestamp with time zone NOT NULL,

    "updated\_at" timestamp with time zone NOT NULL,

    "deleted\_at" timestamp with time zone

);

CREATE TABLE "users"(

    "id" UUID PRIMARY KEY NOT NULL,

    "firstname" VARCHAR(100) NOT NULL,

    "lastname" VARCHAR(100) NOT NULL,

    "image\_id" UUID,

    "email" VARCHAR(255) UNIQUE NOT NULL,

    "password" BYTEA NOT NULL,

    "born\_at" DATE NOT NULL,

    "isInterpret" bool NOT NULL,

    "created\_at" timestamp with time zone NOT NULL,

    "updated\_at" timestamp with time zone NOT NULL,

    "deleted\_at" timestamp with time zone

);

CREATE TABLE "events"(

    "id" UUID PRIMARY KEY NOT NULL,

    "name" VARCHAR(100) NOT NULL,

    "image\_id" UUID,

    "interpret\_id" UUID NOT NULL,

    "place" VARCHAR(100) NOT NULL,

    "date" DATE NOT NULL,

    "price" DECIMAL NOT NULL,

    "detail" TEXT NOT NULL,

    "created\_at" timestamp with time zone NOT NULL,

    "updated\_at" timestamp with time zone NOT NULL,

    "deleted\_at" timestamp with time zone

);

CREATE TABLE "messages"(

    "id" UUID PRIMARY KEY NOT NULL,

    "owner\_id" UUID NOT NULL,

    "chat\_id" UUID NOT NULL,

    "text" TEXT NOT NULL,

    "created\_at" timestamp with time zone NOT NULL,

    "updated\_at" timestamp with time zone NOT NULL,

    "deleted\_at" timestamp with time zone

);

CREATE TABLE "tickets"(

    "id" UUID PRIMARY KEY NOT NULL,

    "owner\_id" UUID NOT NULL,

    "event\_id" UUID NOT NULL,

    "qr\_code" BYTEA NOT NULL,

    "privilege" TEXT,

    "created\_at" timestamp with time zone NOT NULL,

    "updated\_at" timestamp with time zone NOT NULL,

    "deleted\_at" timestamp with time zone

);

ALTER TABLE tickets ADD FOREIGN KEY(owner\_id) REFERENCES users(id);

ALTER TABLE tickets ADD FOREIGN KEY(event\_id) REFERENCES events(id);

ALTER TABLE images ADD FOREIGN KEY(event\_id) REFERENCES events(id);

ALTER TABLE chats ADD FOREIGN KEY(event\_id) REFERENCES events(id);

ALTER TABLE chats ADD FOREIGN KEY(owner\_id) REFERENCES users(id);

ALTER TABLE users ADD FOREIGN KEY(image\_id) REFERENCES images(id);

ALTER TABLE events ADD FOREIGN KEY(image\_id) REFERENCES images(id);

ALTER TABLE events ADD FOREIGN KEY(interpret\_id) REFERENCES users(id);

ALTER TABLE messages ADD FOREIGN KEY(owner\_id) REFERENCES users(id);

ALTER TABLE messages ADD FOREIGN KEY(chat\_id) REFERENCES chats(id);

Obrázok, na ktorom je text, snímka obrazovky, číslo, písmo

Automaticky generovaný popis