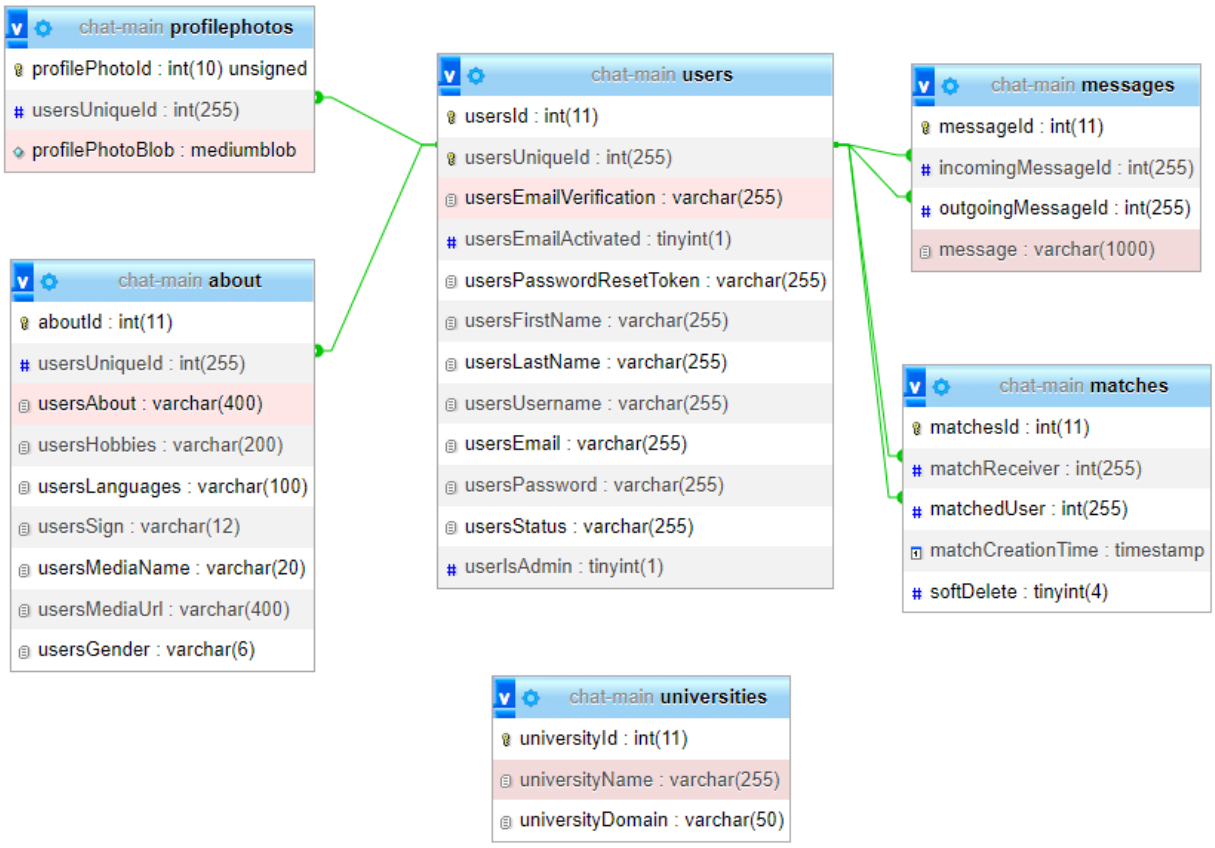
1.1 The logical and physical design of the database

For database provider MySQL is used. It is an open-source relational database management system. Relational databases provide us to work with different tables with different names and connect these different tables with each other and work together.

To edit the database phpMyAdmin interface is used. This interface is a useful tool to manage MySQL databases. With phpMyAdmin databases, tables and data in any table can be easily manipulated.

In UniTime database there are 6 different tables for different purposes. These are listed as:

- Users
- About
- ProfilePhotos
- Matches
- Messages
- Universities



1.1.1 Users

This table contains unique information about all the users of the application.

Users table structure follows:

- usersId (PrimaryKey)
- usersUniqueId (Unique Key)
- usersEmailVerification
- usersEmailActivated
- usersPasswordResetToken
- usersFirstName
- usersLastName
- usersUsername

- usersEmail
- usersPassword
- usersStatus
- userIsdmin

1.1.2 About

This table contains optional information about user for their profile.

About table structure follows:

- aboutId (Primary Key)
- usersUniqueId (Foreign Key)
- usersAbout
- usersHobbies
- usersLanguages
- usersSign
- usersMediaName
- usersMediaUrl
- usersGender

1.1.3 Profile Photos

This table contains only users' profile picture as medium blob.

Profile Photos structure follows:

- profilePhotoId (Primary Key)
- usersUniqueId (Foreign Key)
- profilePhotoBlob

1.1.4 Matches

This table contains the matches between all the users, match creation time as timestamp and lastly softDelete to make inactive the matches. So, if softDelete true that match get counted as deleted match.

Matches table structure follows:

- matchesId (Primary Key)
- matchReceiver (Foreign Key – usersUniqueId)
- matchedUser (Foreign Key – usersUniqueId)
- matchCreationTime
- softDelete

1.1.5 Messages

This table contains the messages between users. Every time users get new matches old messages gets deleted.

Messages table structure follows:

- messageId (Primary Key)
- incomingMessageId (Foreign Key – usersUniqueId)
- outgoingMessageId (Foreign Key – usersUniqueId)
- message

1.1.6 Universities

This table contains university email domains that application uses to make checks for users' emails when they are using their email address. This table does now have any connection with other tables. This one is used only keep the data and use it in the PHP code.

Universities table contains follows:

- usniversityId (Primary Key)

- universityName
- universityDomain