**3. External Interface Requirements**

**3.1 User Interfaces**

The layout should be as follows:

* + - The header which displays:
      * the logo
      * the currently logged user
      * the “Logout” and “Your Account” menu
    - The body, which displays
      * the menu, immediately under the header
      * the content(already created)

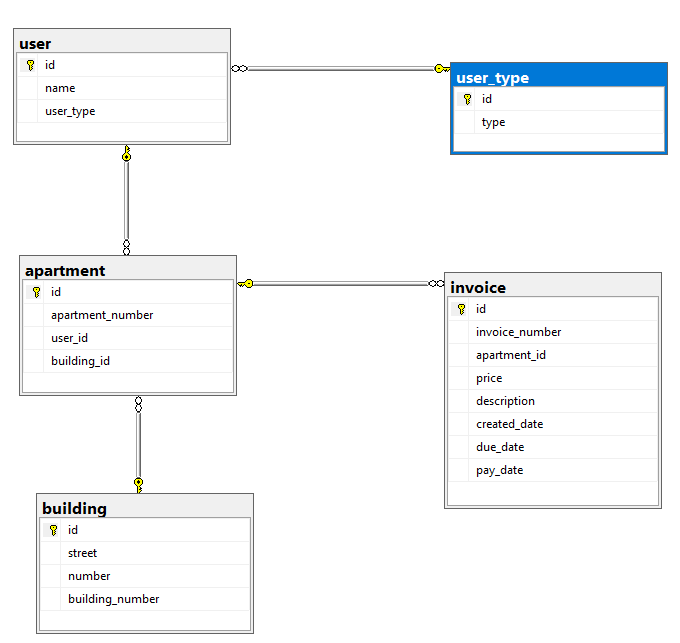
There will be two different user interfaces that will accompany this website: one for the users and one for the administrators.

The administrators will be able to add users and remove them, to add bills , to create pools etc.

The users will be able to see the bills, answer to the pools created by the administrators etc.

**3.2 Hardware Interfaces**

NA

**3.3 Software Interfaces**

The application is connected to a database (SQL Server). The database will communicate with the server, and the server will send the information to the client application. This a mock-up picture of the

Databases.

**3.4 Communications Interfaces**

HTTP will be the communication protocol that our app will use.

**4. System Features**

**4.1 Account Login**

4.1.1 Functional Requirements

• The system shall allow a user to access an account given by the administrators.

• The system will allow the user to change his password

• The system shall confirm the username and password are acceptable.

• The system shall store the information in the database.

All fields are mandatory and are to be written in the text boxes offered by the login interface. If the request passes, the user have access to the app. If the request doesn’t pass the user will be informed with the error and can try again.

**4.2 Account Logout**

4.2.1 Stimulus: Click "Logout" Button

4.2.2 Functional Requirements

•The system shall allow the registered and logged-in user to exit his/her account, so that access to operations requiring a user to be logged in are now disabled.

**4.3 Admin Add Member**

4.3.1 Stimulus: Click "Add Member" Button

4.3.2 Functional Requirements

•The system shall allow a logged-in admin to create new member accounts and new admin accounts.

* Only admins can add new admins.
* The system shall require a username from the logged-in admin

The username field shall be written in a text box offered by the admin interface.

**4.4 Admin Edit User**

4.4.1 Stimulus: Click "Edit User" Button

4.4.2 Functional Requirements

• The system shall allow a logged-in admin to edit a registered member

• The system shall require a username from the logged-in admin

• The system shall display all the information regarding that user with the possibility of modifying data such as user, password, privileges.

• After those modifications the system shall inform the respective member that his information/details have been modified

The username field shall be written in a text box offered by the admin interface.

**4.5 Admin Add Invoice**

4.5.1 Stimulus: Click "Add Invoice" Button

4.5.2 Functional Requirements

• The system shall allow a logged-in admin to add/modify an invoice.

• The system shall attribute it to an user.

The resource name field shall be written in a text box offered by the admin interface.

**4.6 Admin Generate Reports**

4.6.1 Stimulus: Click "Generate Reports" Button

4.6.2 Functional Requirements

* The system shall allow a logged-in admin to generate a report.
* The admin will be able to select between three types of reports:
  + Income reports
  + Overdue reports
  + Payment reports
* Each type of report will display the corresponding data:
  + The income reports will display the name of the user and a corresponding due amount.
  + The overdue reports will display how much the user have to pay from the previous months.
  + The payment reports will display all the payments that a user has to make