CAMPING RESERVATION

- **Name for the website**
  Camp Rock Reservation

- **Project Description**
  The Camp Rock Reservation website is specially created for users to sign up or log in and then make the reservations for camping.
  - ➢ Sign Up:
    The users who are visiting the website for the first time must sign up so that the user information is saved in the database. To sign up successfully, user must enter the username, password, first name and email id. Password must be at least 5 characters long. Password is saved as a hash value using MD5 technique.
  - ➢ User Log in:
    Once the user is signed up then he can log in any time to make camping reservations. User need to enter the username and password to log in. After successful log in, user will be able to access following functionalities:
    a) View all the camps which are available for the reservation.
    b) Search the specific camp using the name.
    c) View all the camps that user has already reserved.
    d) Review the cart and can make changes like delete the particular camp or proceed for the checkout. If the camp is already registered by that user, then he can't register for the same camp.
  - ➢ Admin Log in:
    Admin has some special functionalities than regular user as he authorized to make the important changes in the database.
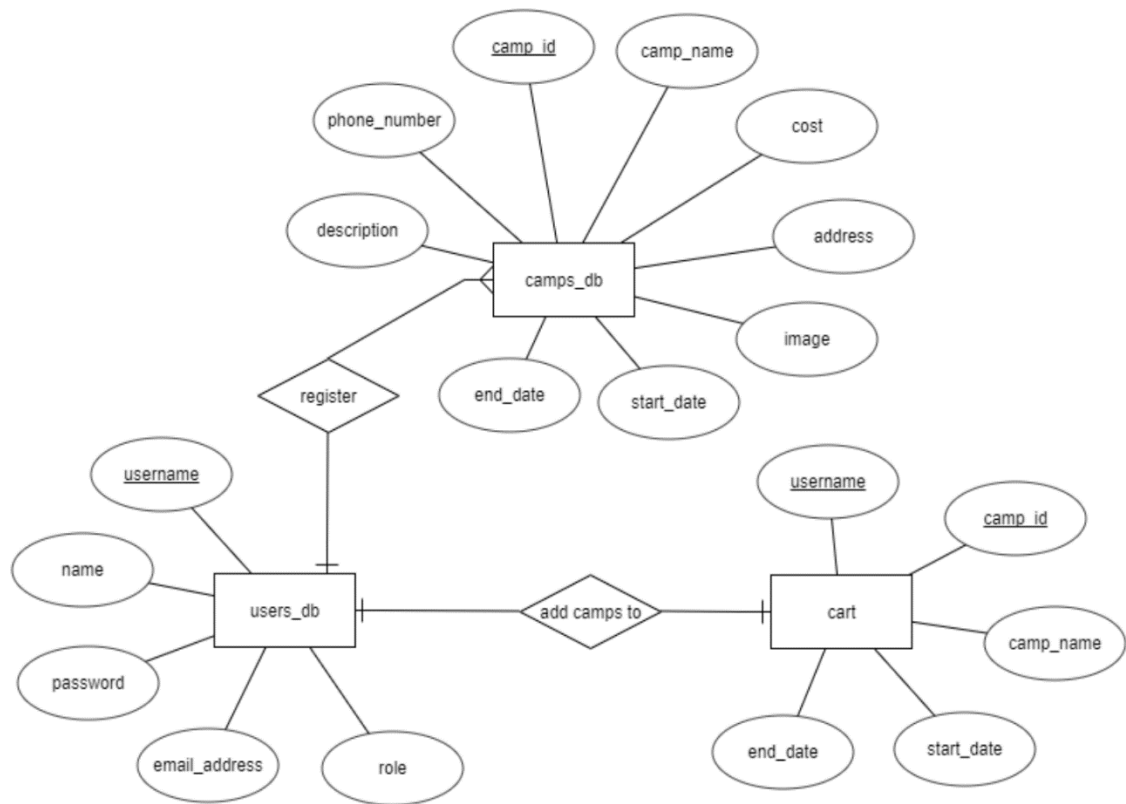   a) Admin can insert the new camp by providing the required information. And users can see the updated camp list.
    b) Admin can delete the camp and as a result it will no longer be available for the users.
    c) Admin can update the information regarding already existing camp.

- **Database Design**
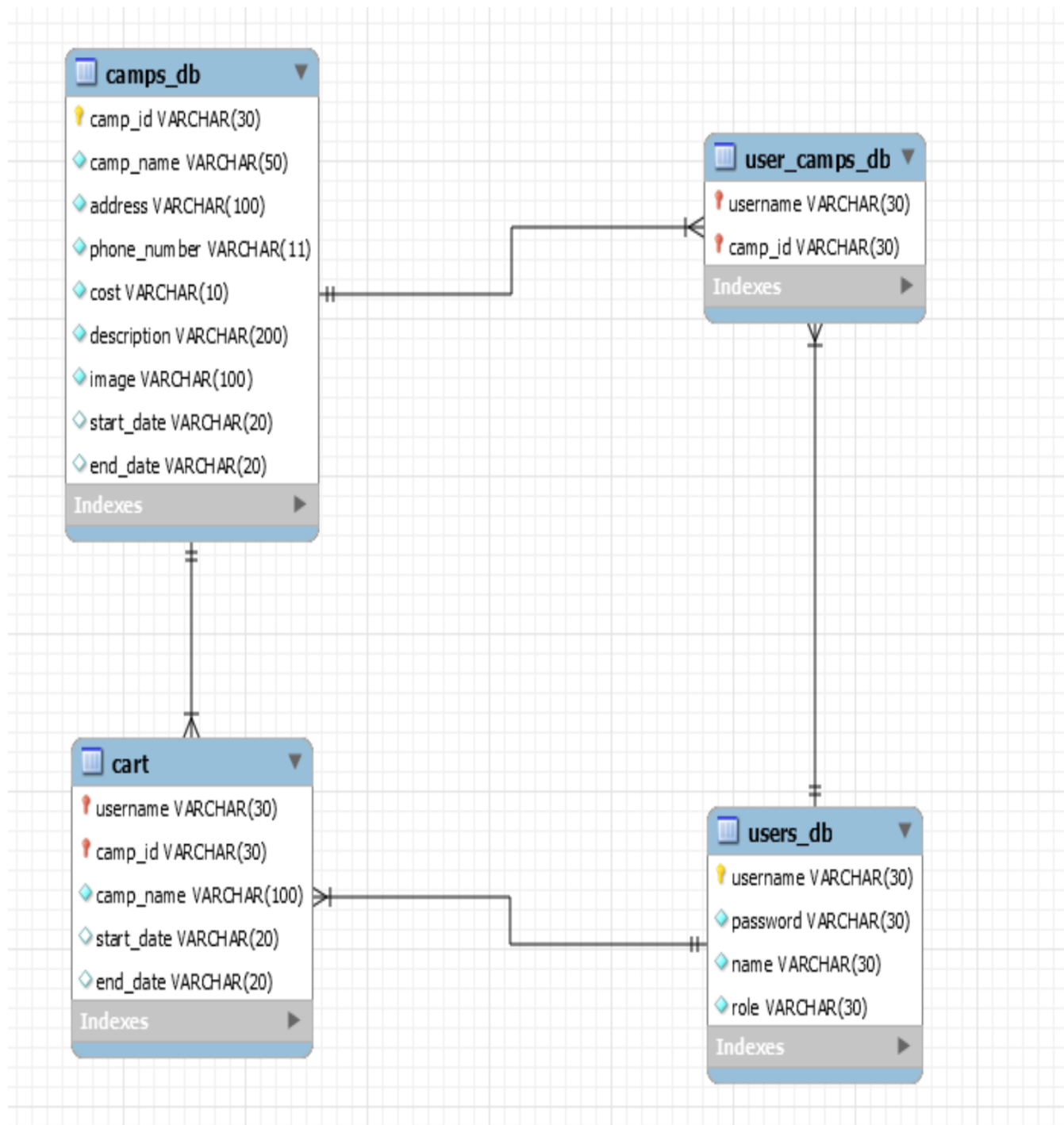 Following tables are created for the website:
  1. camps_db (camp_id, camp_name, cost, address, phone_number, description, start_date, end_date, image)
  2. users_db (username, password, name, email_address, role)
  3. cart (username, camp_id, camp_name, start_date, end_date)
  4. user_camps_db (username, camp_id)

  The database is in 3NF form as according to 3rd normalization form all attributes are depend on nothing but the key. Following ER diagram shows the entities and relationships between them.

camp_id camp_name

phone_number cost

description address

camps_db

image

register end_date start_date

username username

camp_id

name users_db add camps to cart

camp_name

password

email_address role end_date start_date

Following SQL queries are executed to create the tables:

I.   CREATE TABLE camps_db (camp_id varchar (30), camp_name varchar (50) NOT NULL, address varchar (100) NOT NULL, phone_number varchar (11) NOT NULL, cost varchar (10) NOT NULL, description varchar (200) NOT NULL, image varchar (100) NOT NULL, start_date varchar (20) NOT NULL, end_date varchar (20) NOT NULL, PRIMARY KEY (camp_id))

II. CREATE TABLE users_db (username varchar (30), password varchar (30) NOT NULL, role varchar (30) NOT NULL, name varchar (30) NOT NULL, email_address varchar (30) NOT NULL, PRIMARY KEY (username))

III. CREATE TABLE cart (username varchar (30), camp_id varchar (30), camp_name varchar (100) NOT NULL, start_date varchar (20) NOT NULL, end_date varchar(20) NOT NULL, PRIMARY KEY (username, camp_id))

IV. CREATE TABLE user_camps_db (username varchar (30), camp_id varchar (30), PRIMARY KEY (username, camp_id))

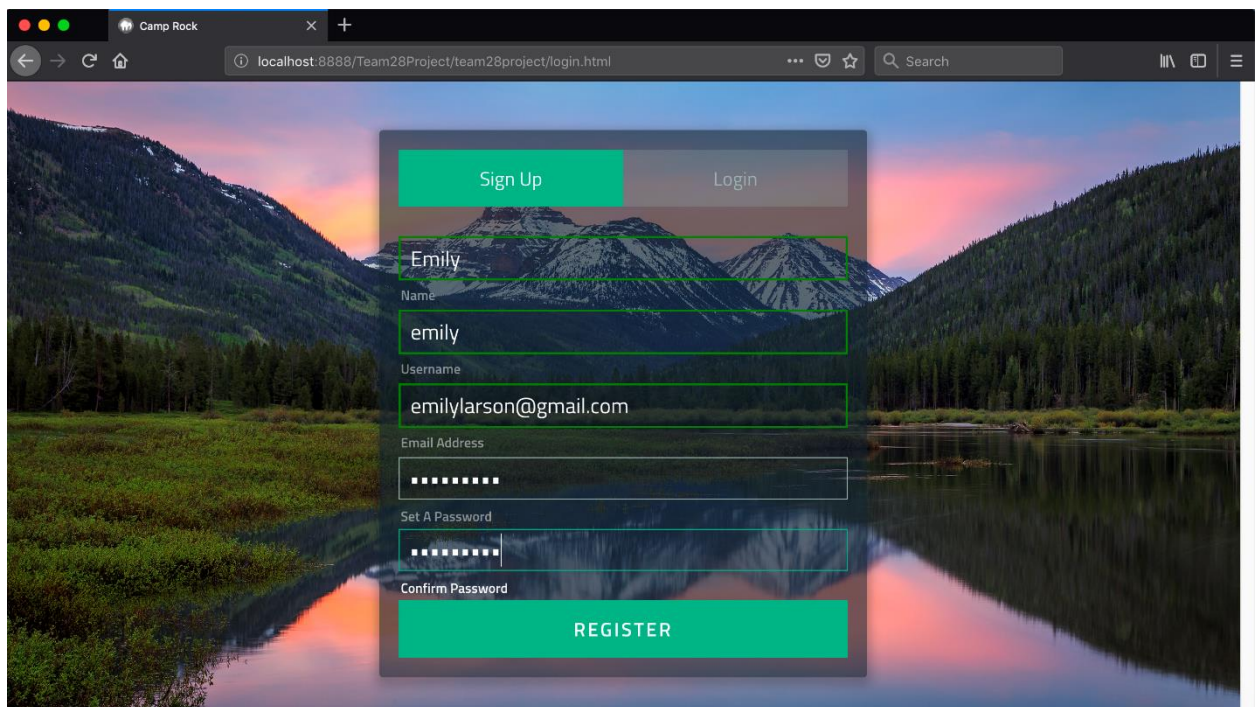**Database Schema Diagram**

Database table users_db data

The diagram shows the content of table users_db. The password is saved as a hash value using MD5.

- Languages/frameworks used for implementation
    1. HTML 5
    2. CSS
    3. Java Script
    4. jQuery
    5. PHP
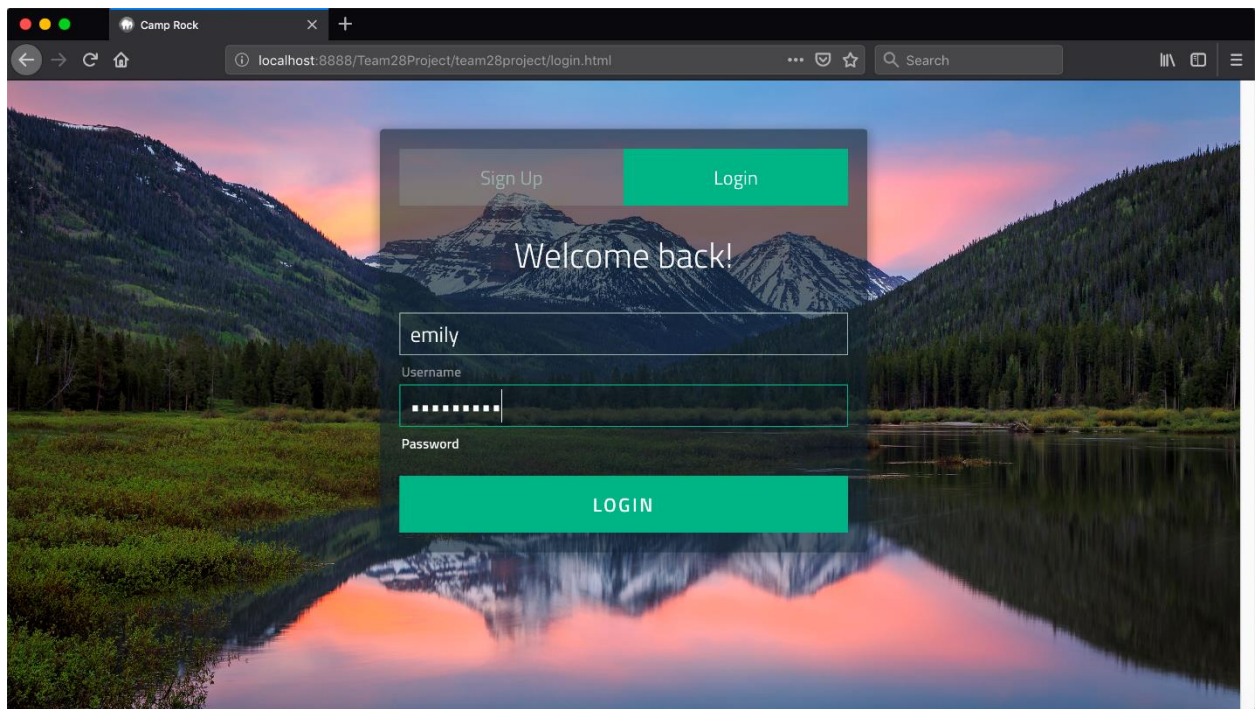   6. SQL
    7. AJAX
    8. Bootstrap
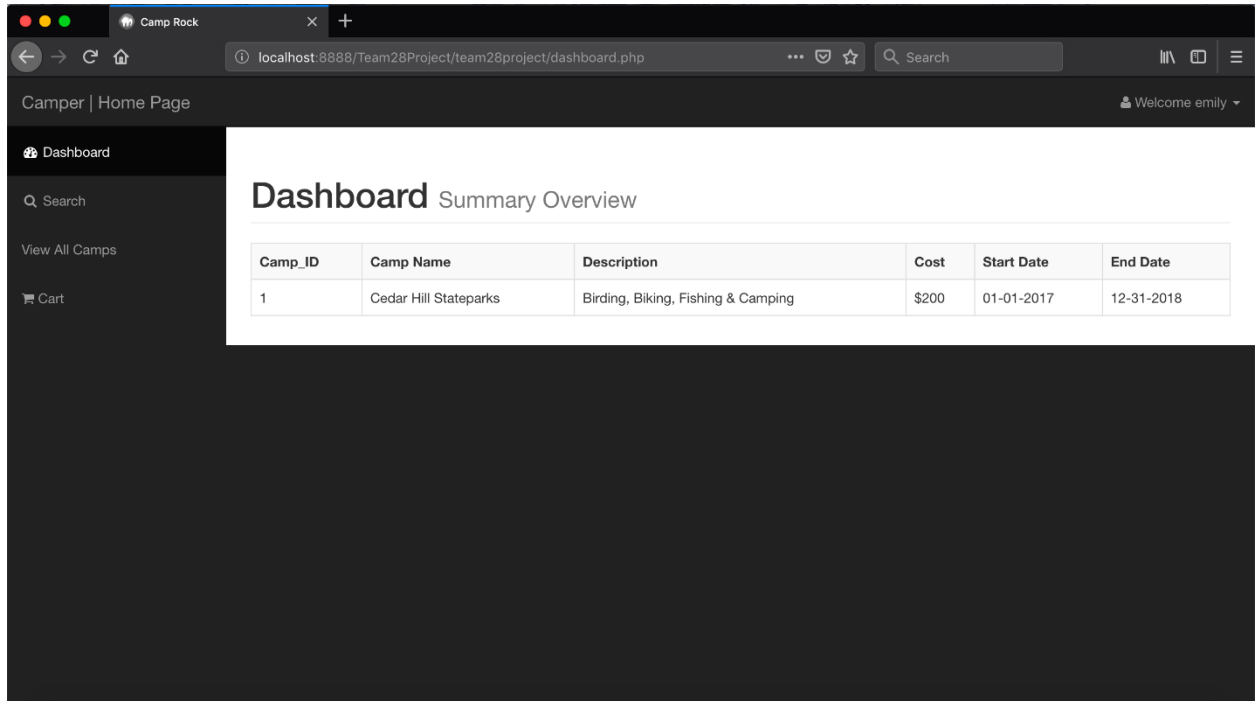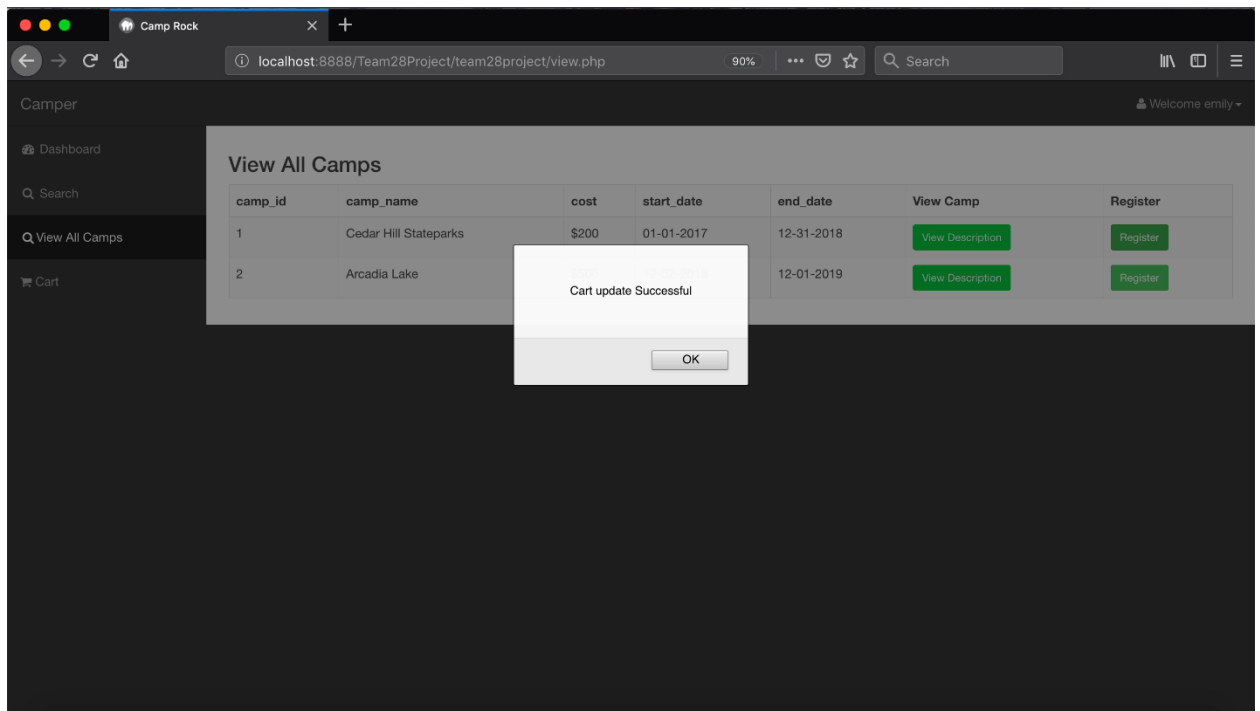
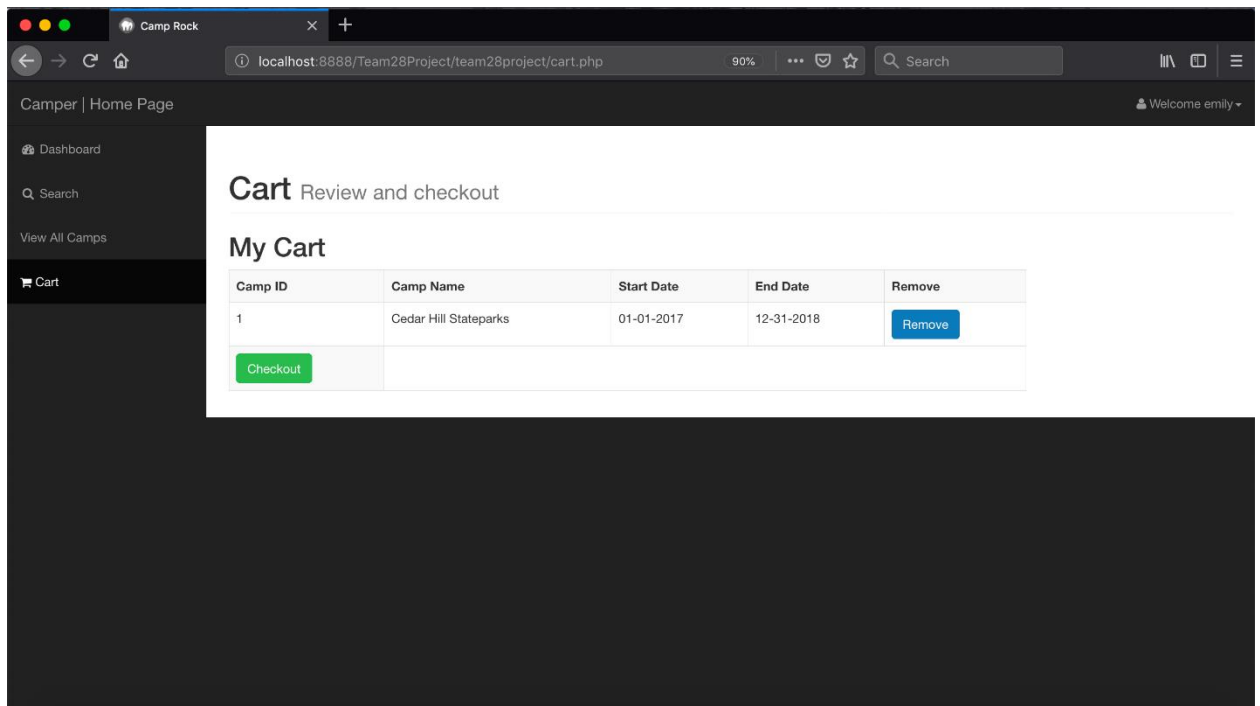- Screenshots
  ## Home Page
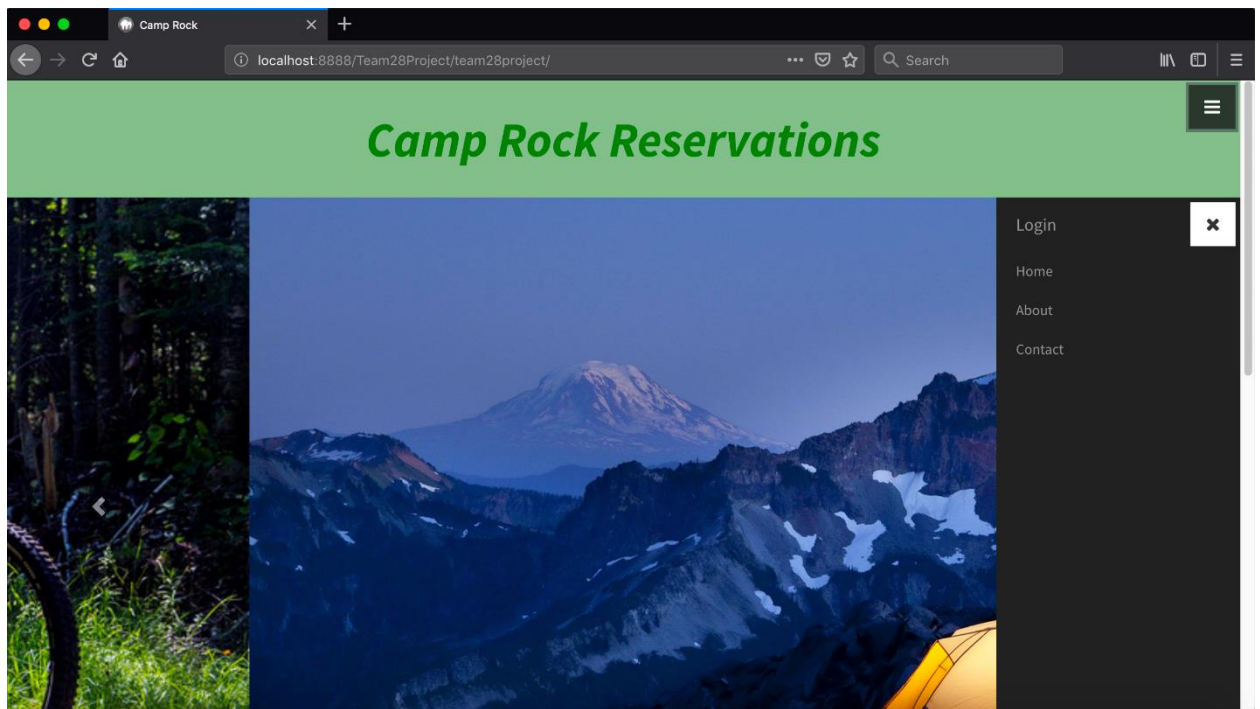
  ## Sign Up

Log In

User Dashboard
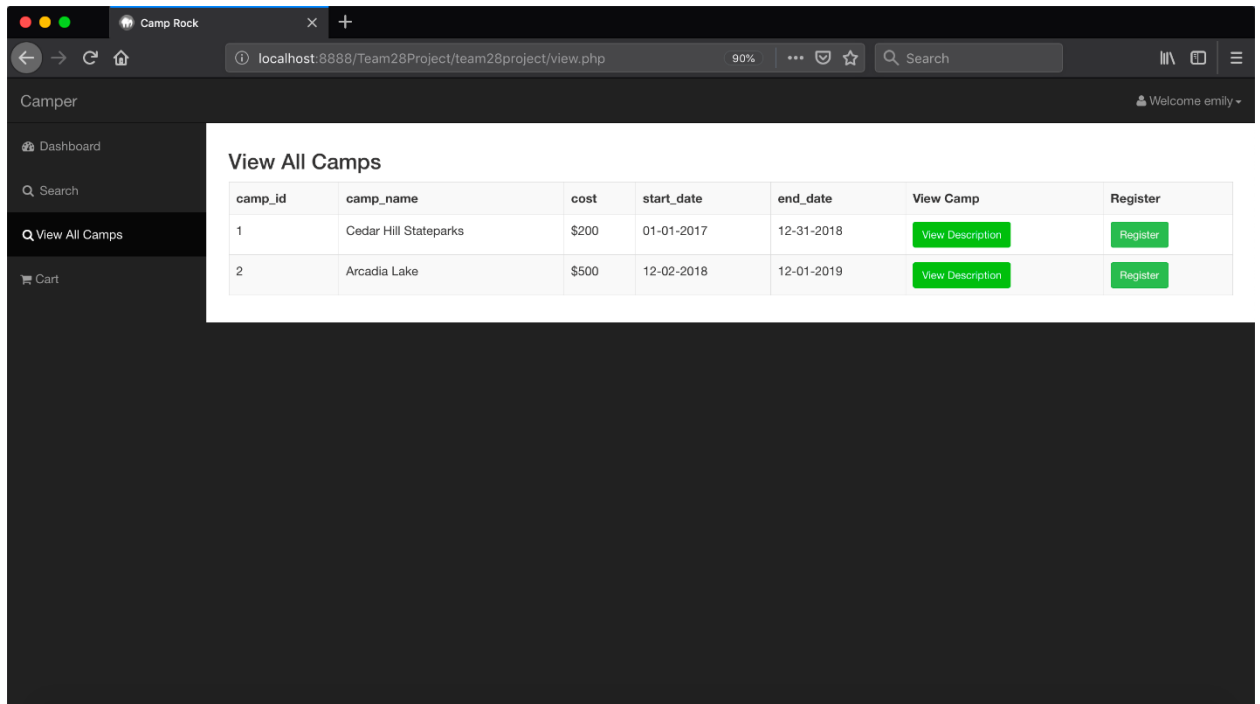
User Add to Cart

User View Cart
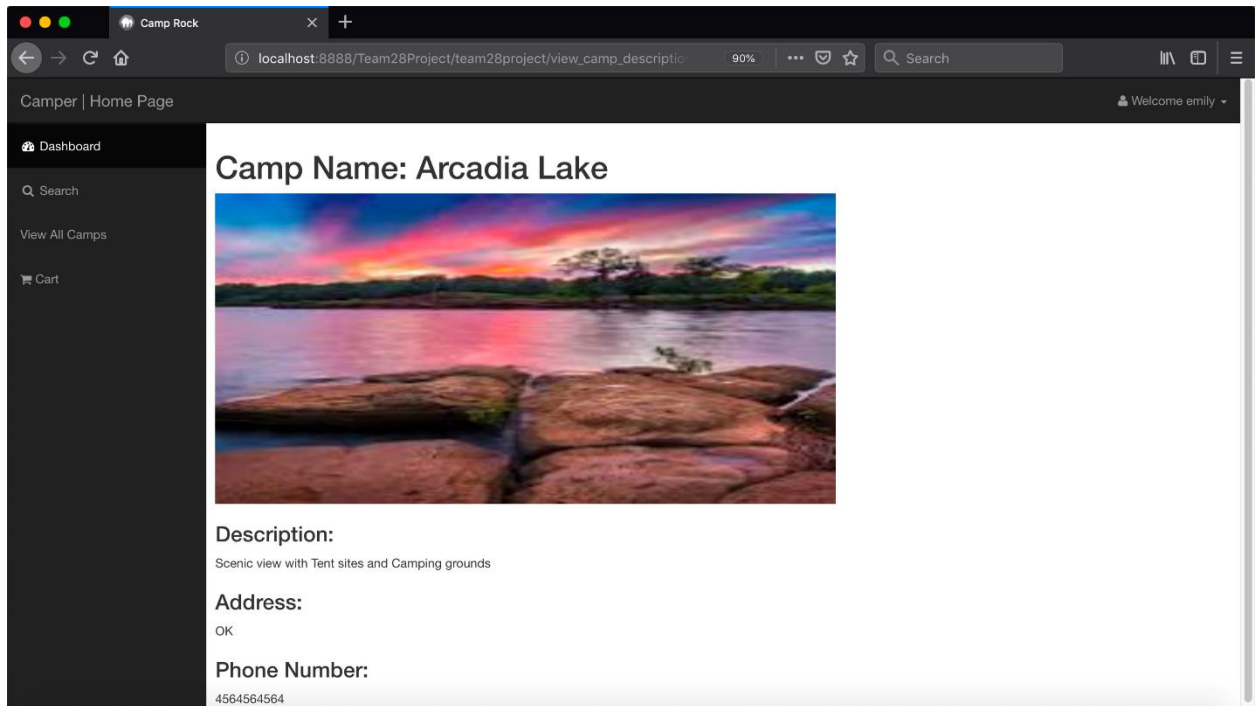
User View Camp

User View Desription
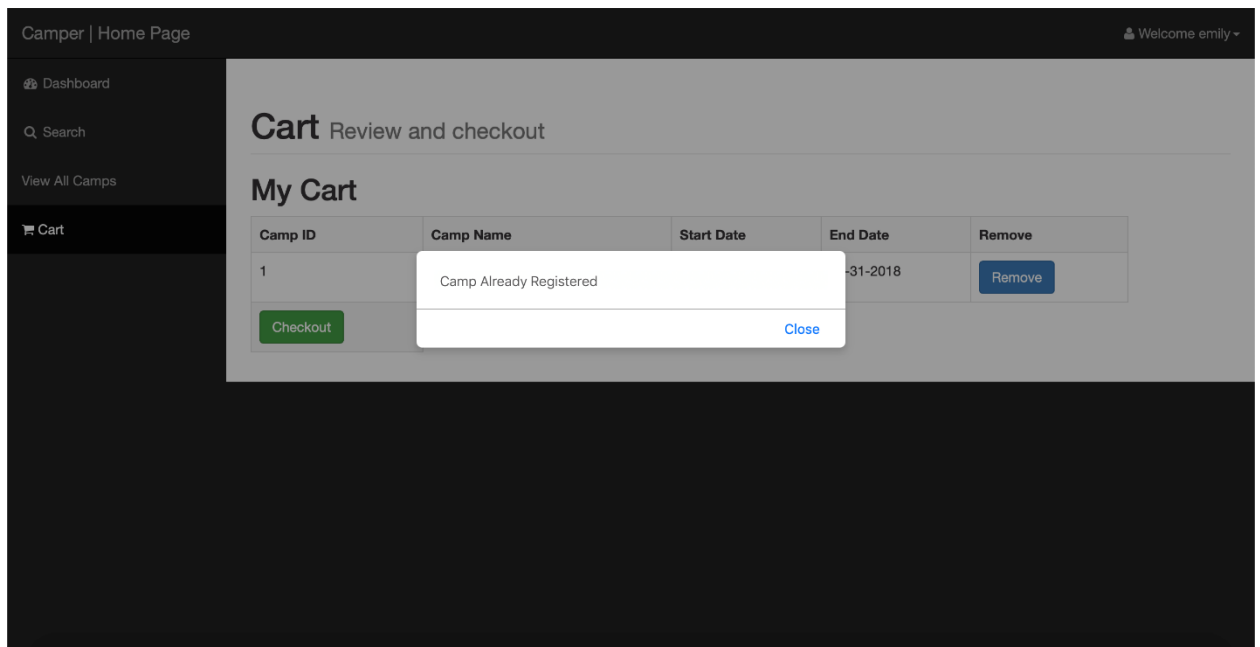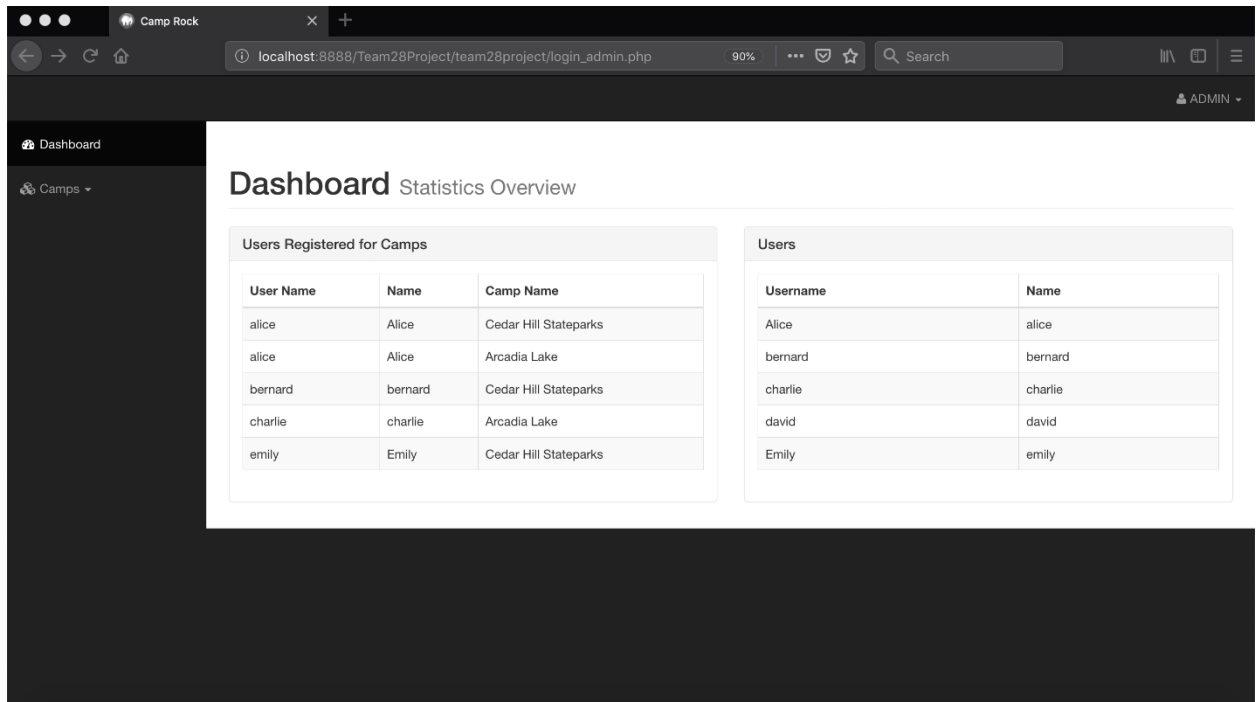
User Search Camp

User Update Cart (If user is already registered for the same camp then it can't be checkout from the cart)

Admin Dashboard View

Admin Add Camp

Admin Delete Camp

Admin Update Camp

Admin View Camp
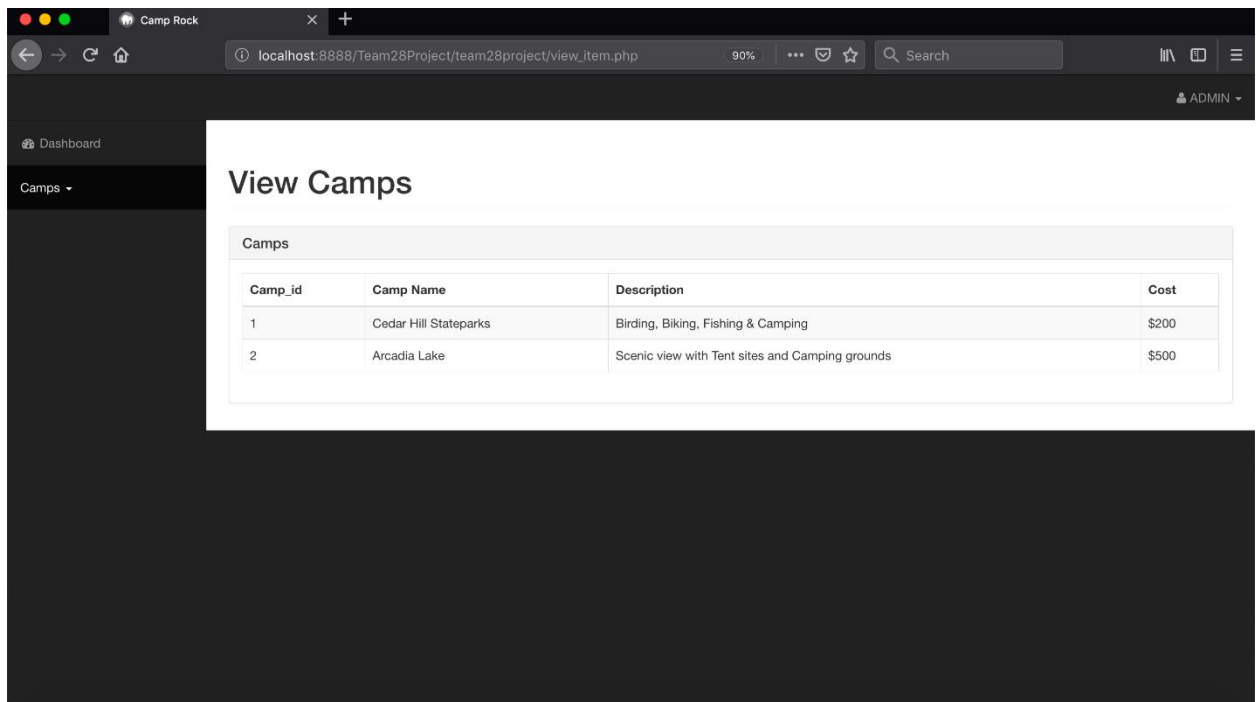
- Team Members

Name	Net-ID
Indhu Pathmanathan	ixp170030
Shivika Prasanna	sxp162630
Vaishnavi Bhosale	vbb160030

- Work division among team members
The project was divided into three main development parts- Database design, Client-side scripting and Server-side scripting. The work was divided equally amongst all the team members and following is the division of work.

Indhu Pathmanathan:
- Database Design:
  - o Identification of tables and attributes
- Features worked on:
  - o User signup (reg_user.php)
  - o User login (login.html, login.php)
  - o Admin login (login.html, login.php)
  - o User view camps (view_camps.php)
  - o User add to cart (add_to_cart.php)

Shivika Prasanna:
- Database Design:
    o Creation of database and tables
- Features worked on:
    o Dashboard for admin and user (dashboard.php)
    o Admin view items (view_item.php)
    o Admin add camps (add_item.php, add_item_check.php)
    o Admin delete camps (delete_camp.php)
    o User view camp description (view_camp_description.php)

Vaishnavi Bhosale:
- Database Design:
    o Putting tables in 3NF
- Features worked on:
    o Admin update camps (update_item.php)
    o User checkout camps (cart.php)
    o Search camps (search.php, search_item.php)
    o Update dashboard after checkout (dashboard.php)
    o Logout for user and admin (logout.php)