



**INSTITUTE FOR
ADVANCED COMPUTING
AND SOFTWARE
DEVELOPMENT AKURDI,
PUNE**

Documentation On

**“BEST CAMPGROUND TO VISIT”
PG-DAC SEP 2021**

Submitted By:

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Project Title- Best Campgrounds to Visit

1. Introduction

The main purpose of the project is to create a platform for camping enthusiasts where they can share campgrounds they visited and put a review on other campgrounds. The website will help user to find best campgrounds available according to location. the website has feature rich user interface to find and manage the campgrounds easily.

Team

Direct users, Indirect Users, Camp Owners

Objective (Purpose)

To create a platform for the travel enthusiasts where campers will interact with each other and share their experiences.

Scope -

This System will allow camp owners for adding or removing campgrounds. users will be able view campgrounds details and choose the campground to visit.

Definations

BCS- best campground to visit

CO- Camp Owner

2. Requirements

2.1 Functional Requirements

Registered camp owners will be able to add, edit or remove their campgrounds. CO will be able to add details of camp site such as Images, description, Location of place, cost of camping etc. CO will be able to view and manage the visitors to the camp.

Any Anonymous Users will be able to search and view campgrounds details. to access more features user will have to login or register.

After Successful authentication user will be able to book a camping site to visit. To make payment user will have to choose among the options such as internet banking or UPI or with credit card option. user will be redirected to the payment gateway for processing the payment.

User will be able to give feedback of the visited site with help of ratings and comments. User will be able add, edit or delete the comments made by him/her. users who are willing to visit camp can ask questions and interact with other users in the comments section.

2.2 Non Functional Requirements

Security

Registered users will be able to see details of campsite, review and manage comments.

to store sensitive user details such as passwords, encryption will be used.

Only authorised users will have access to add and manage campgrounds

Availability

System will be available 24 X 7. 99.99%

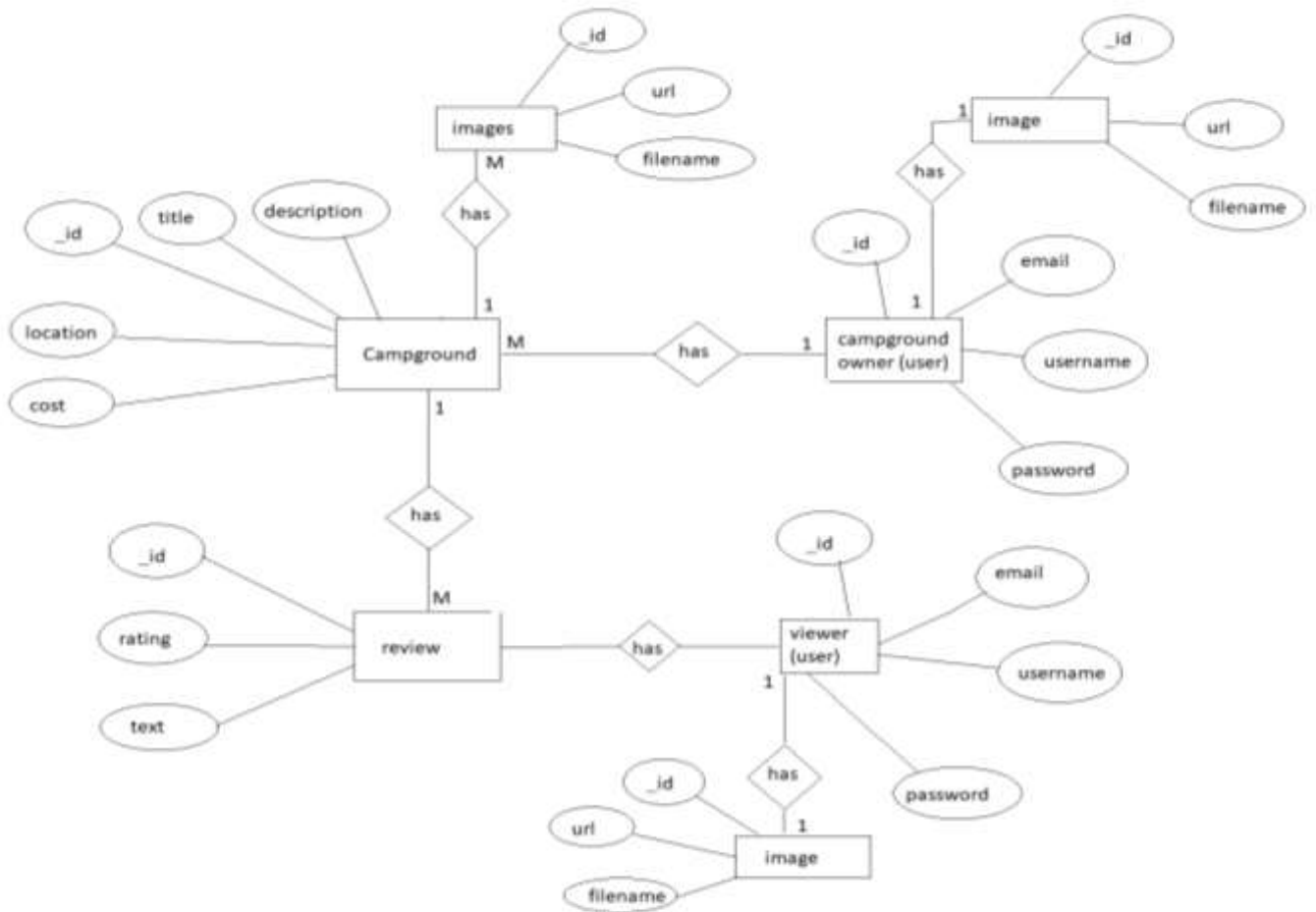
Accessibility

Only registered customer will be able to book campsite, review and manage comments.

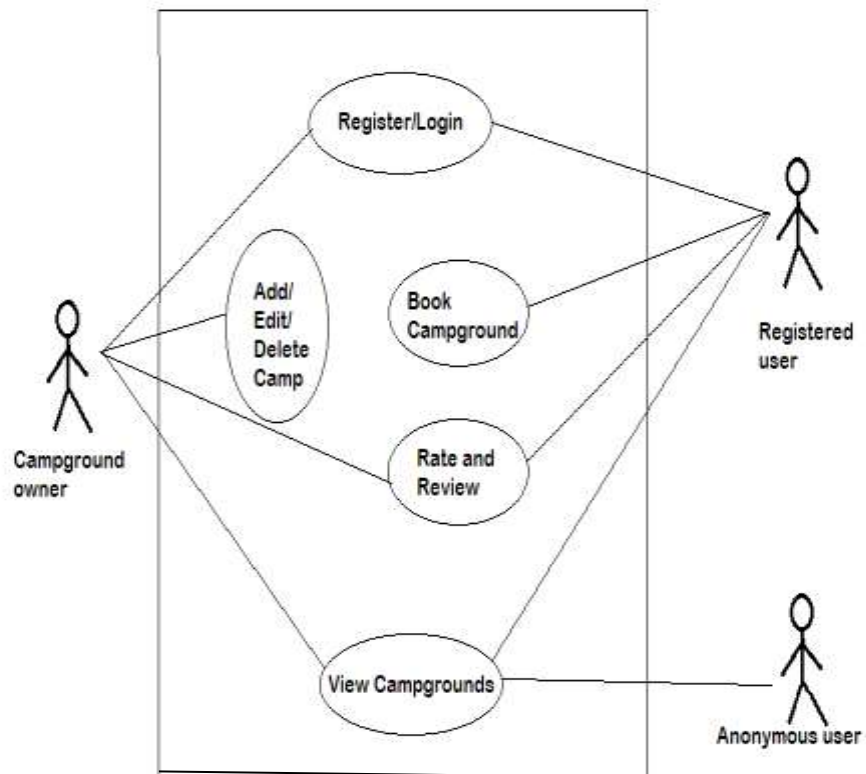
Registered CO will be able to Add, update or delete campground details

3. Diagrams

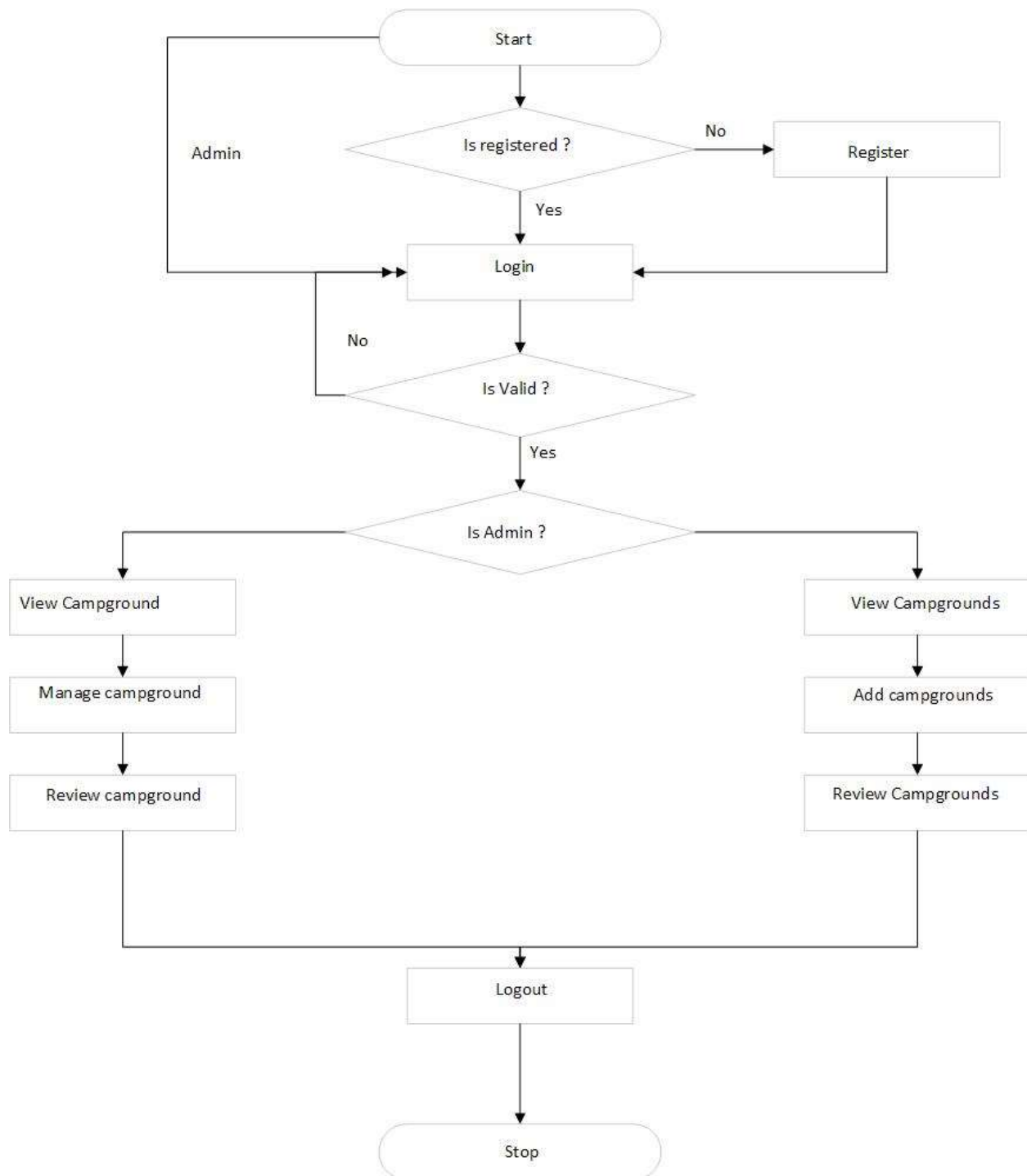
3.1 ER Diagram



3.2 Use Case Diagram :



3.3 System Flow diagram



4. User Specification

User Characteristics:

User should be familiar with the terms like login,register etc.

Principle Actors:

Principle Actors are Users,Admin.

General Constraints:

A full internet connection is required for accessing our website.

Assumptions and Dependencies:

Need active Internet Connection.

5. User Interface

- All users will be able to view campgrounds on website
- There will be option for user registration and Login
- New user is required to register to the site to access features
- User have to provide name, email and password
- User can add profile picture to his profile
- After registration user will be redirected to login page.
- Username and Password will be validated . if found correct user will be redirected to corresponding profile where they can do various activities
- after login user will be able to add or edit details of Campground such as Images of site, Description, location and cost of camping.
- user will also be able to rate other campgrounds, write comments and edit comments

View Campgrounds

Here user can view the campgrounds added by other users.

Registration / Login

User Authentication

User have to register, login. It is a necessary process to go through if you want to contribute to the site, because when a user is signed in it allows them

to add campgrounds and comments, to really add a sense of community and interactivity.

Search Campgrounds

Authorised user can browse through the campgrounds according to city, state and country

Add Campground

User can Add campgrounds where they can add Description, resource availability, ways to reach, Location details such as city ,state, country, Multiple Images of the site and average camping cost required .

Reviews and Comments

User will be able to rate campgrounds in stars ranging from 1 star for poor and 5 star for best .user can reply on comments on his/her campground and answer the queries. User can also rate and review campgrounds added by other users.

Manage Campgrounds

Here User can view all campgrounds added by him on same page. User will be able delete the campgrounds .

User can edit the campground details, add or delete images of campground

Profile

Here user will be able to see his/her profile details.

User can change password, change profile picture

Admin Interface

Admin will have same access to all the user interfaces.

In addition admin will be able to delete any suspected campground

6. Hardware Requirements

Hardware requirements for insurance on internet will be same for both parties which are as follows:

RAM	2 GB
Hard disk	320 GB
Processor	Dual Core

7. Software Requirements

Client side:

Web Browser	Google Chrome or any compatible browser
Operating System	Windows or any equivalent OS

Server side:

Web Server	Node JS, Express JS
Server side Language	React
Database Server	MongoDB
Web Browser	Google Chrome or any compatible browser
Operating System	Windows or any equivalent OS

Communication Interfaces:

The two parties should be connected by LAN or WAN for the communication purpose.



8. Database Design

The data Added by users has to be stored in the database. It will be used to perform CRUD actions from users. Since there is no much security cocern Here Mongodb database has been choosen for developing the relevant databases.

User Collection

user-id	- Int	-id	to store User id
username	- String		to store user name
Email	- String		to store the Email Id of User
Password	-String		to store the password of User in hashcode
Image	-String		To store profile picture
role	- String		to store user role

Reviews Collection

review_id	- Integer	_id	To store review id
rating	- Integer		To store rating
text	- String		To store comments on campground
author:user_id	- int		To store reference of author of review

Campground Collection

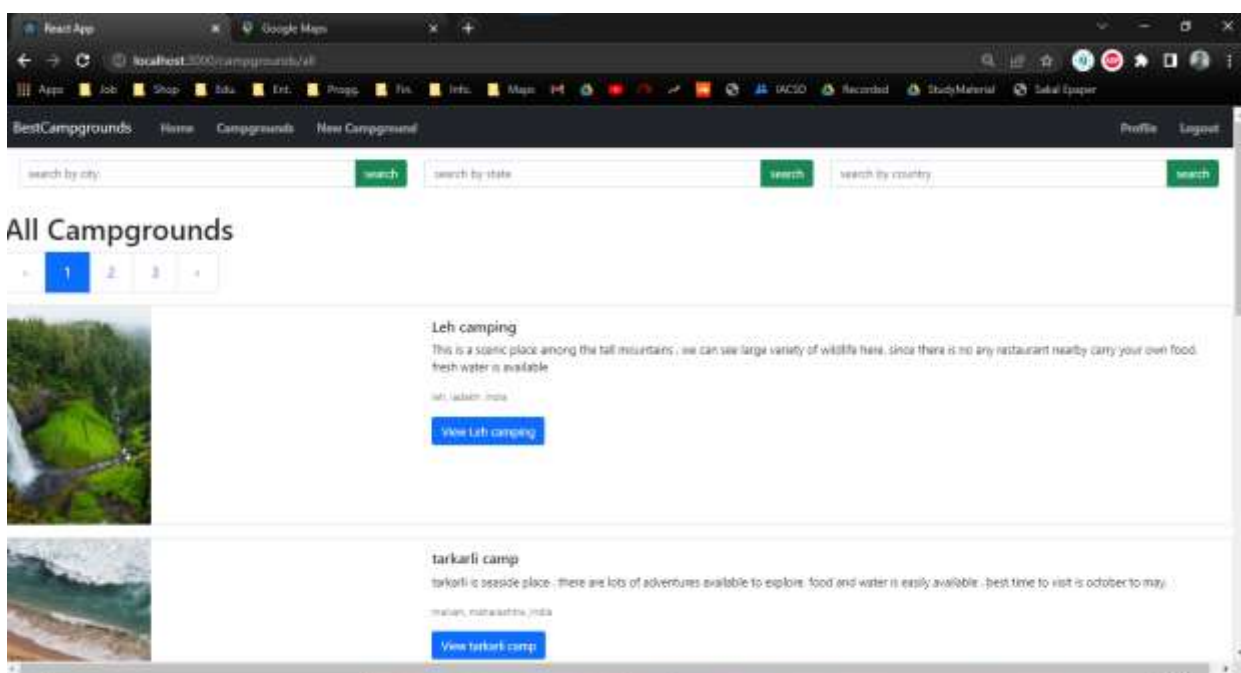
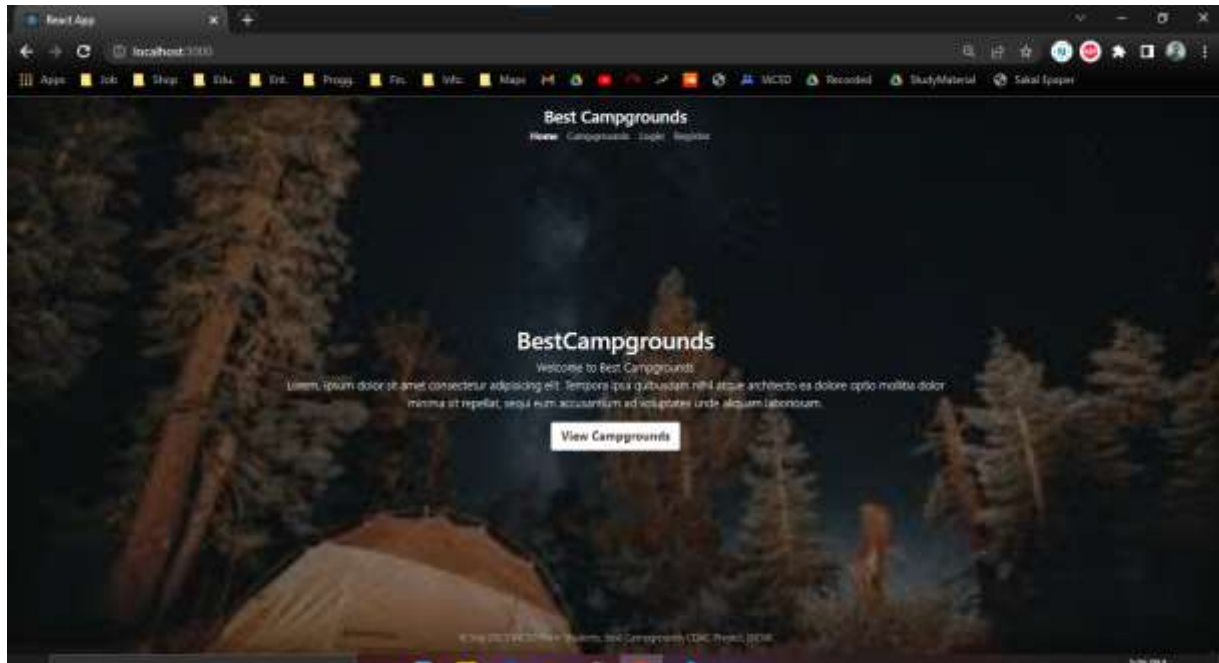
camp_id	- Integer	_id	to store camp id
title	- String		to store camp title
description	- String		to store description of camp
images	- (images array)		to store images
City	- String		to store city
State	- String		to store state
Country	- String		to store country
Price	- Double		to store cost of camping
reviews:-	(review array)		to store reference of review

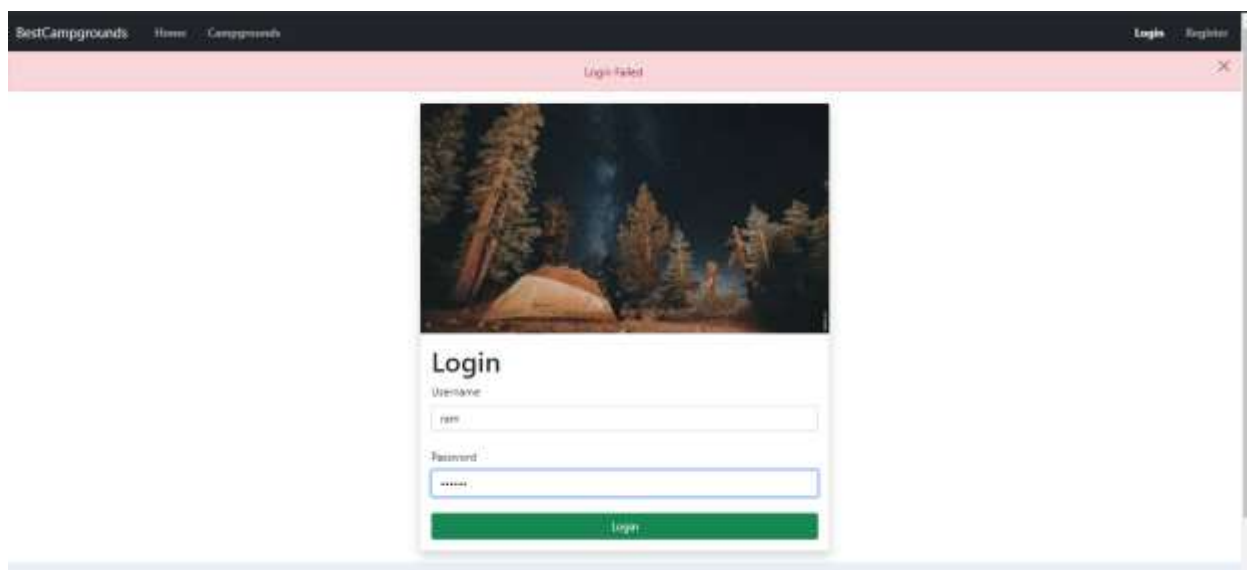
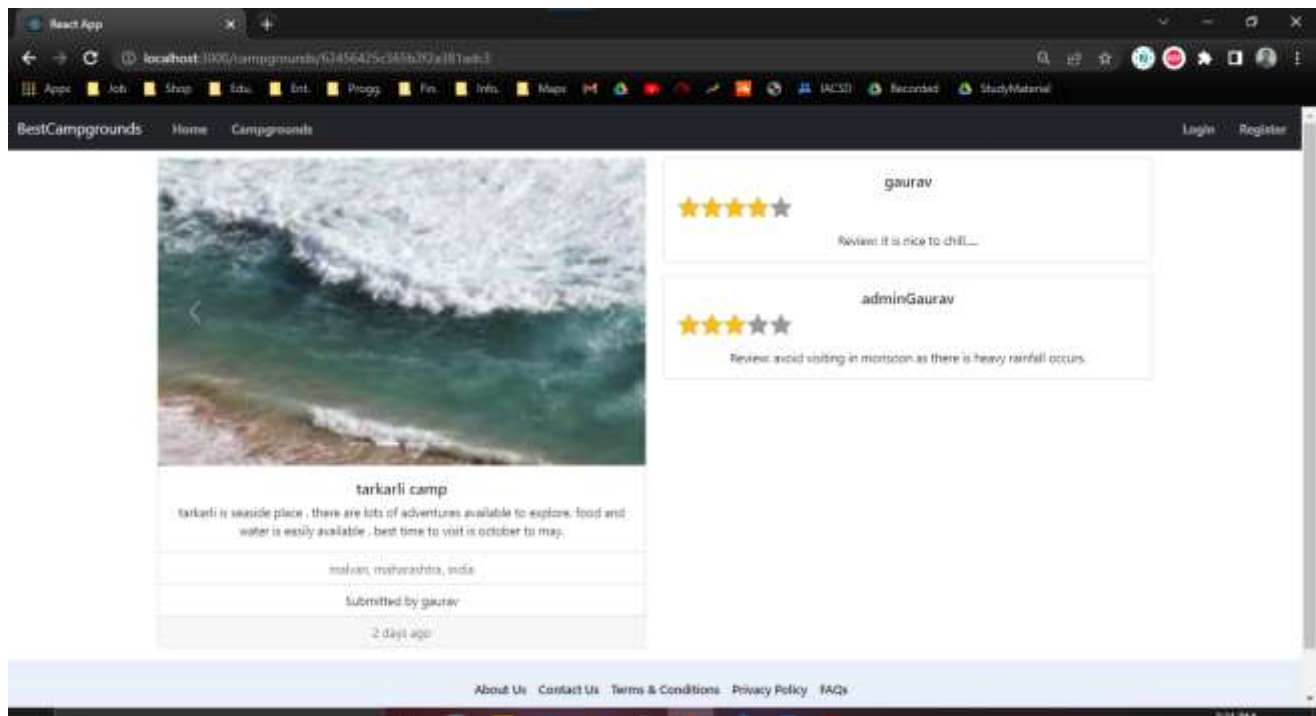
Image collection

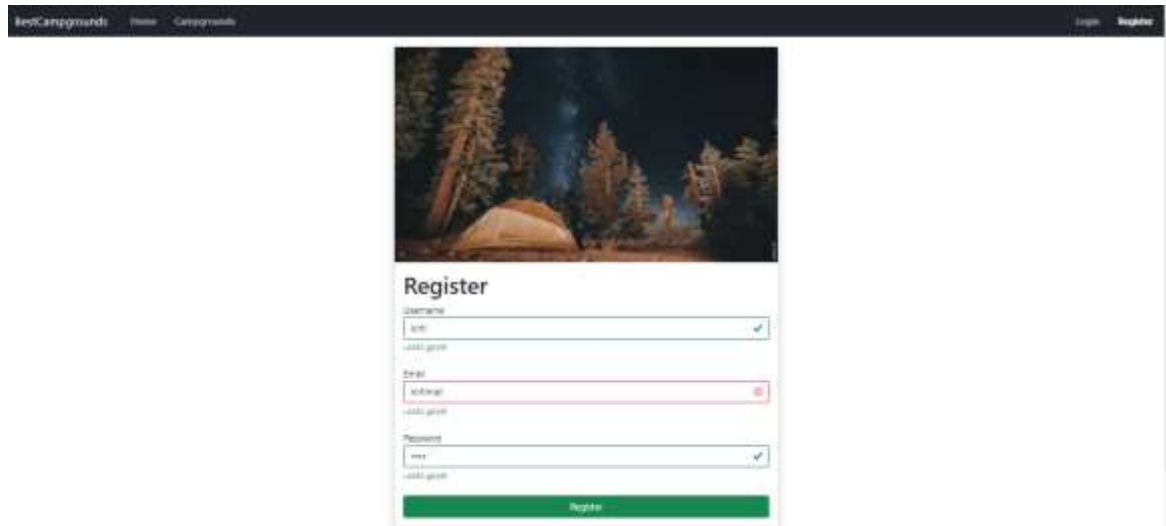
Image_id	- Integer	_id	to store image id
Image url	- String		to store image url
Filename	- String		to store image filename

9. Screenshots


Anonymous user







BestCampgrounds Home Campgrounds Login Register



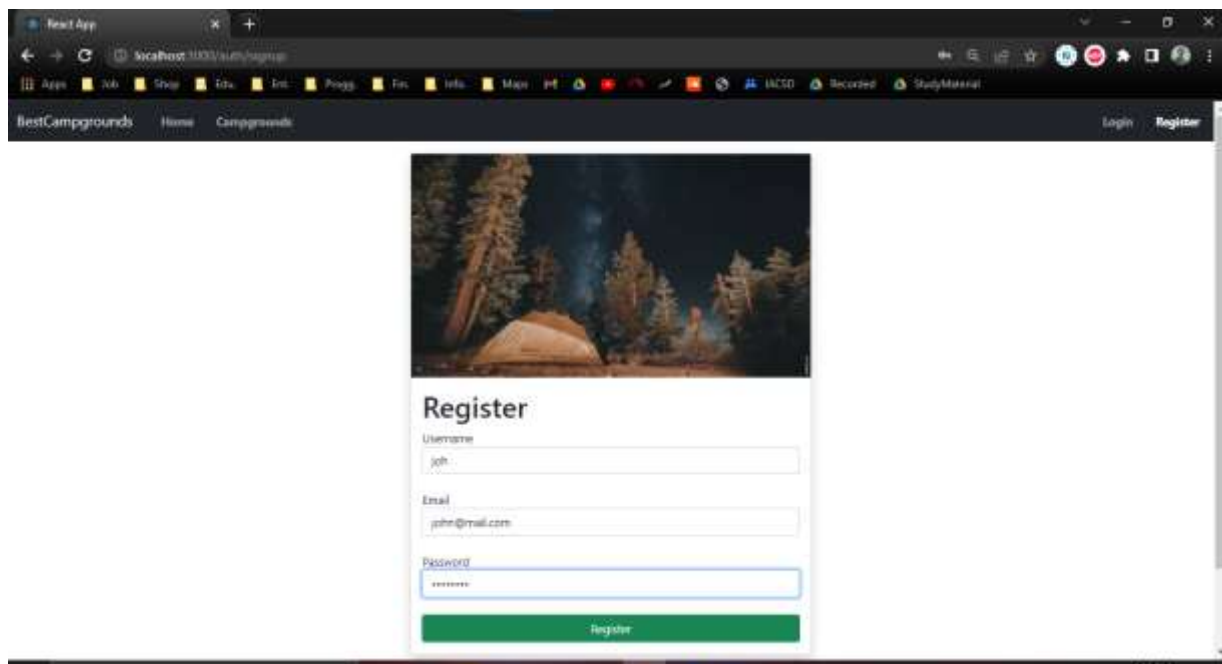
Register

Username
john ✓

Email
john@gmail.com ✓

Password
12345678 ✓


Register



React App

localhost:3000/auth/register

BestCampgrounds Home Campgrounds Login Register



Register

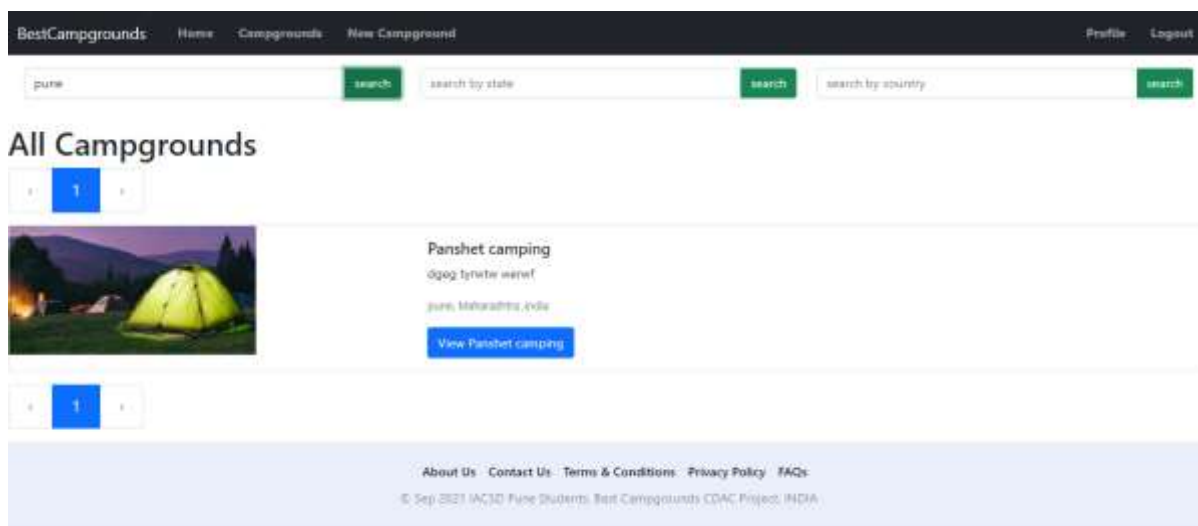
Username
john

Email
john@gmail.com

Password
12345678

Register

Registered User




BestCampgrounds Home Campgrounds New Campground Profile Logout

Search by location:

All Campgrounds

1



Panshet camping
dggg tytrter wearef
pune, Maharashtra, India
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1

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Login

Register

Register Successfully

Upload profile image

Choose File 275635_160121100762700_852351649_n.jpg

Upload

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search by city

search

lazio


search

search by country

search

All Campgrounds

1



Tumbling Canyon

Lorem, ipsum dolor sit amet consectetur adipiscing elit. Nostrum cumque facere ipsum dolore! Reprehenderit cum quas architecto nisi, distinctio culpa totam vel, duodmus temporibus neque perspiciatis. Quis duodmus voluptatum id?

Conans, Lazio Italy

View Tumbling Canyon

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search by city

search

search by state


search

australia

search

All Campgrounds

1




Maple CreeksideEdit

Lorem, ipsum dolor sit amet consectetur adipiscing elit. Nostrum cumque facere ipsum dolore! Reprehenderit cum quas architecto nisi, distinctio culpa totam vel, duodmus temporibus neque perspiciatis. Quis duodmus voluptatum id?

Scottpark, Queensland Australia

View Maple CreeksideEdit



Roaring Pond

Lorem, ipsum dolor sit amet consectetur adipiscing elit. Nostrum cumque fctere ipsum dolore! Reprehenderit cum quas architecto nisi, distinctio culpa totam vel, duodmus temporibus neque perspiciatis. Quis duodmus voluptatum id?

Heena Wang, Western Australia Australia

View Roaring Pond

localhost:3001/campgrounds/all

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New Campground

Title

City

State

Country

Campground Price

Description

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New Campground

Title

City

State

Country

Campground Price

Description

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New Campground

Title ✓
140 characters

City ✓
140 characters

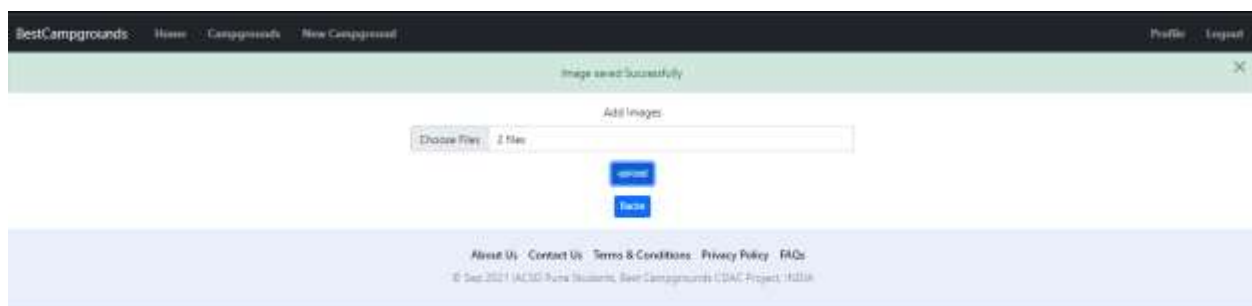
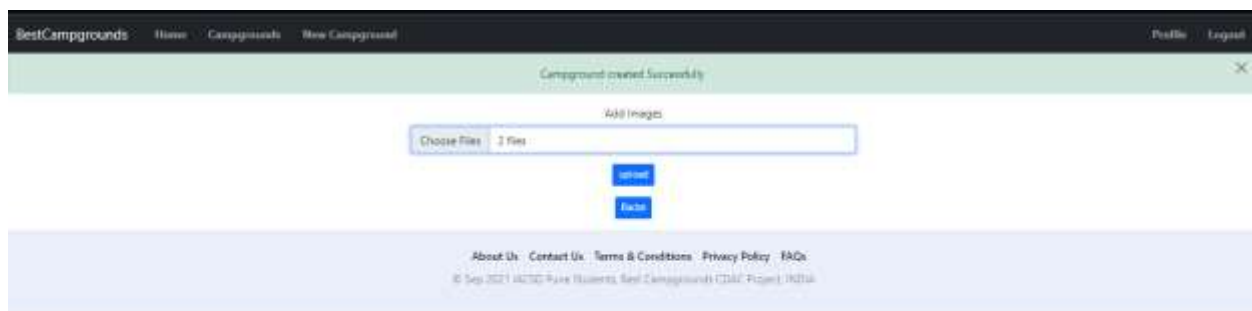
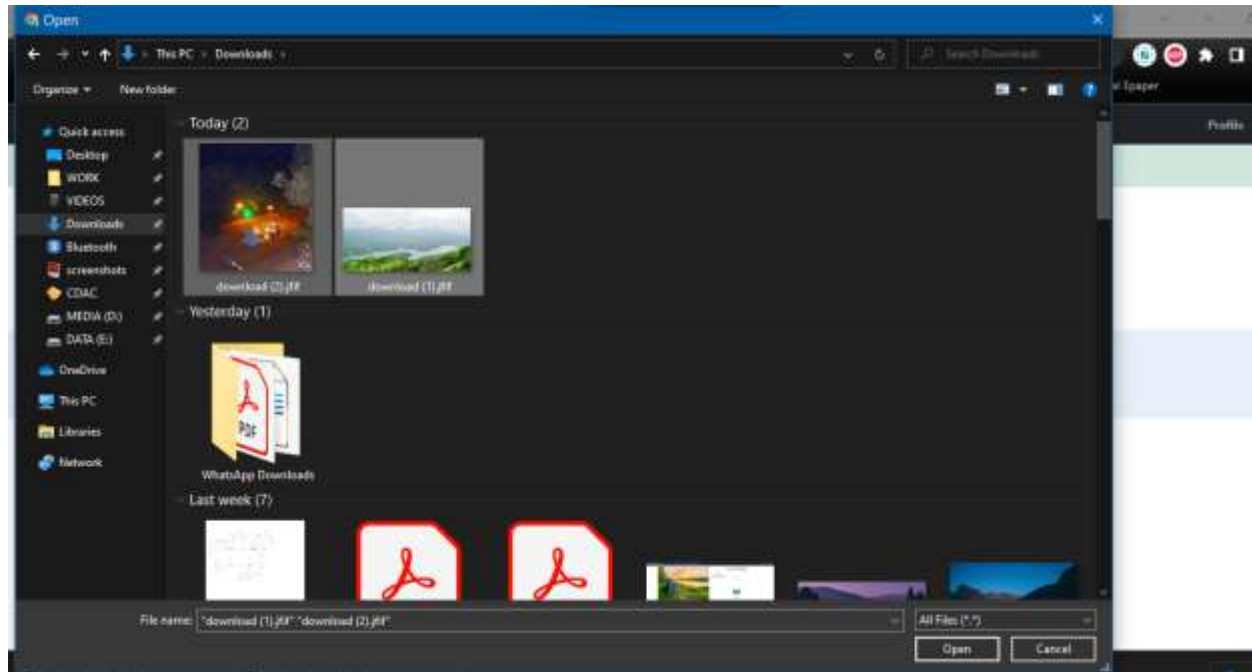
State ✓
140 characters

Country ✓
140 characters


Campground Price ✓
140 characters

Description ✓
140 characters

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Tapola lake camping

One of the most famous attraction is the Tapola Lake which is famous for its trekking destinations and picnic spots. You can enjoy the activities such as boating, kayaking, paragliding and swimming. July to September is the best time to visit this destination and enjoy the sunset beauty of nature. The full blossoming of flowers will exhibit in you a good feeling that we hardly get in life.

India, Maharashtra, India

Submitted by john

[Edit](#)
[DELETE](#)
[Manage Image](#)

10 days ago

Leave a Review

Rating: ★★★★★

Review

[Submit](#)

john

Review this place

[Cancel](#)

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Edit Campground

Title: Tapola lakeside camp

City:

State:

Country:

Campground Price:

Description: One of the most famous attraction is the Tapola Lake which is famous for its trekking destinations and picnic spots. You can enjoy the activities such as boating, kayaking, paragliding and swimming. July to September is the best time to visit this destination and enjoy the sunset beauty of nature. The full blossoming of flowers will exhibit in you a good feeling that we hardly get in life.


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Campground Updated Successfully



Tapola lakeside camp

One of the most famous attraction is the Tapola Lake which is famous for its trekking destinations and picnic spots. You can enjoy the activities such as boating, kayaking, paragliding and swimming. July to September is the best time to visit this destination and enjoy the sunset beauty of nature. The full blossoming of flowers will exhibit in you a good feeling that we hardly get in life.

India, Maharashtra, India

Submitted by john

[Edit](#)
[DELETE](#)
[Manage Image](#)

Leave a Review

Rating: ★★★★★

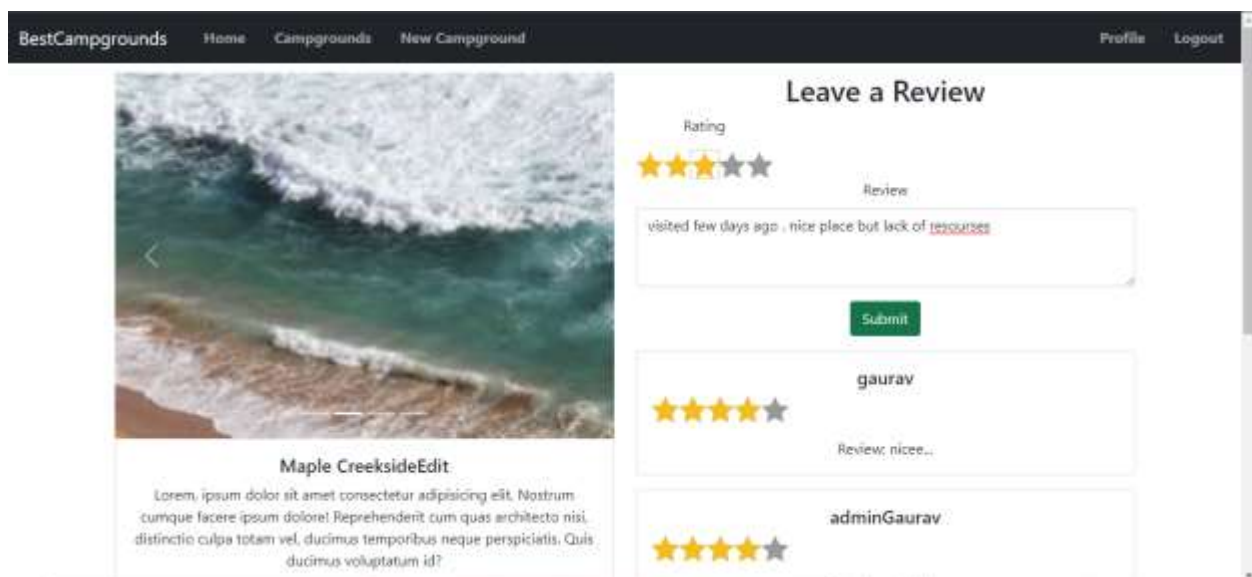
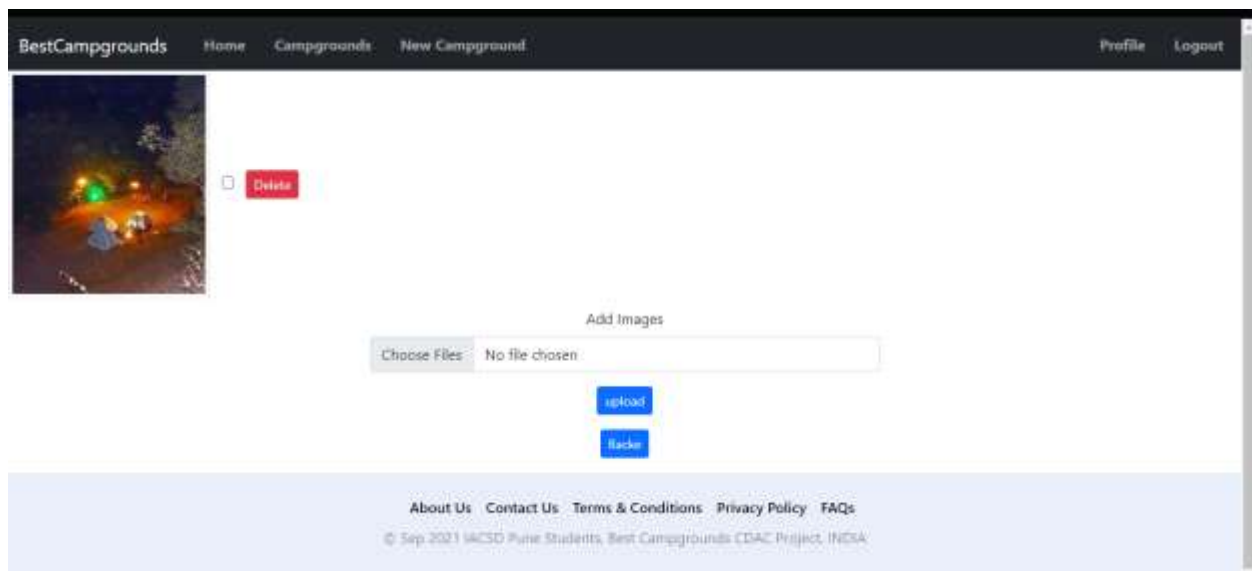
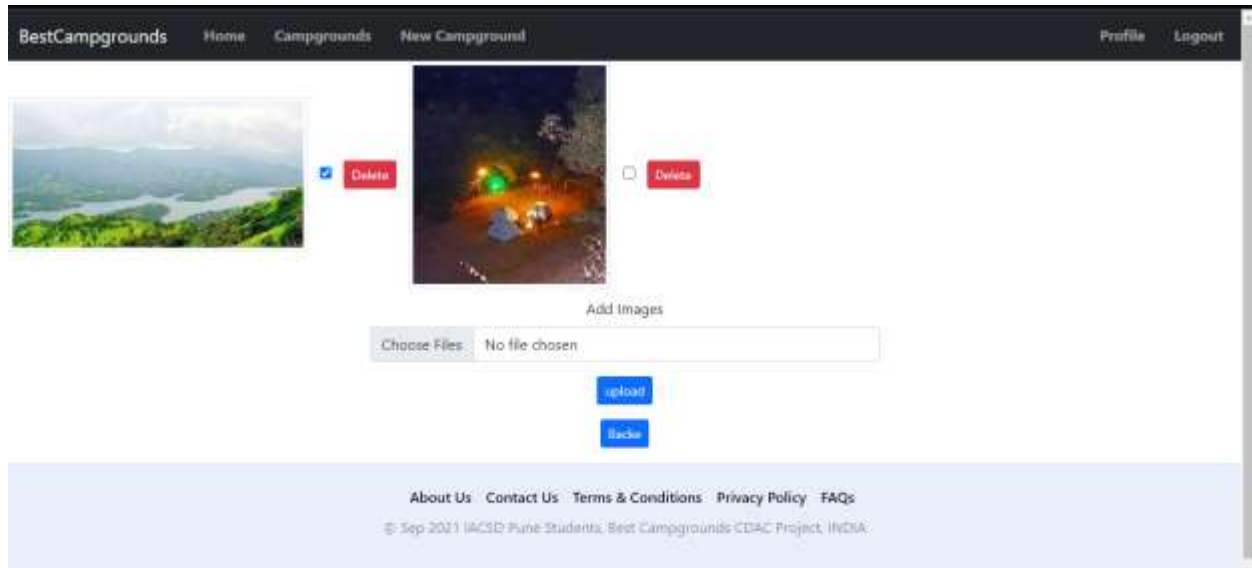
Review

[Submit](#)

john

Review this place

[Cancel](#)



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Maple Creekside
 Lorem, ipsum dolor sit amet consectetur adipiscing elit. Nostum cumque facere ipsum dolore! Reprehenderit cum qua architecto nisl, distinctio culpa totam vel, duimus temporibus neque perspiciatis. Quis duimus voluptatum id?

Leichhardt, Queensland, Australia

Submitted by gaurav

2 days ago

★★★★☆ gaurav
Review now...

★★★★☆ adminGaurav
Review stuffghk

★★★★☆ hrishi
Review vlr

★★★★☆ rajesh
Review stuffg

★★★★☆ john
Review visited few days ago - nice place but lack of resources
Delete

BestCampgrounds Home Campgrounds New Campground Review Deleted Profile Logout

Maple Creekside
 Lorem, ipsum dolor sit amet consectetur adipiscing elit. Nostum cumque facere ipsum dolore! Reprehenderit cum qua architecto nisl, distinctio culpa totam vel, duimus temporibus neque perspiciatis. Quis duimus voluptatum id?

Leichhardt, Queensland, Australia

Submitted by gaurav

2 days ago

OK

★★★★☆ adminGaurav
Review stuffghk

★★★★☆ hrishi
Review vlr

★★★★☆ rajesh
Review stuffg

★★★★☆ john
Review visited few days ago - nice place but lack of resources
Delete

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Maple Creekside
 Lorem, ipsum dolor sit amet consectetur adipiscing elit. Nostum cumque facere ipsum dolore! Reprehenderit cum qua architecto nisl, distinctio culpa totam vel, duimus temporibus neque perspiciatis. Quis duimus voluptatum id?

Leichhardt, Queensland, Australia

Submitted by gaurav

2 days ago

Submit

★★★★☆ gaurav
Review now...

★★★★☆ adminGaurav
Review stuffghk

★★★★☆ hrishi
Review vlr

★★★★☆ rajesh
Review stuffg

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Username: john

Email: john@mail.com

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Profile image saved successfully



Username: john

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Campground Deleted

OK

★★★★★

Review

Submit



Rising Pond

Ut enim, ipsum dolor sit amet consectetur adipiscing elit. Vestibulum eumque facere ipsum dolor. Reprehenderit cum quis interdum nunc, placerat quis totam vel. Duis ut tempus neque dicitur. Quis dicitur velutatum id?

Heads Valley, Western Australia, Australia

Submitted by gaurav

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10. Conclusion

Complete Functionalities the project is implemented. Users are able to do all operations and can access the site remotely. Key features of our project are managing campgrounds, uploading images, manage profile, give rating, add comments etc.

11. References

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- [2] Java® Platform, Standard Edition & Java Development Kit
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Online References

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- [4] <https://reactjs.org/docs/>