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Yelpcamp: A review based website for campgrounds

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Abstract - *YelpCamp will play an essential role in making decisions like choosing a campground. This system heavily relies on individuals voluntarily submitted reviews to build the reputation for nearby businesses. Unfortunately, the reviews expose user(s) private information such as visited places to the public and adversaries. Even worse, such location information is usually public because it is that the basic information of companies , and adversaries might be anyone starting from advertisement spammer to physical stalker. This website formalizes the privacy preserving problem in campground review systems. The framework can preserve users' location privacy in arbitrary local area and may maintain an honest utility for both the system and each user. We evaluate our framework towards real-world data traces. The results validate that the framework are able to do an honest performance.*

Key Words*: **Advanced Web technology, JavaScript, NoSQL, Mongoose, ExpressJS.***

1. INTRODUCTION

It is an internet application designed to feature , rate and review different campgrounds, different users(read campers) can put in their comments and concerns, in order that it's a well informed and well prepared camping This app contains API secrets and passwords that have been hidden deliberately, so the app cannot be run with its features on your local machine. In order to review or create a campground, you want to have an account. pass realtime data to a long distance. For this we use an open-source board ESP 32 to create a seamless Mesh network which send, receive and propagate data collected from various sensors to all its node.

YelpCamp may be a website where users can create and review campgrounds. In order to review or create a campground, you want to have an account. This project was designed using Node.js, Express, MongoDB, and Bootstrap. Passport.js was used to handle authentication. The Login Feature gives the user right to login to the website after creation of the account successfully for the website. The login process is on high priority. During the login process the user needs to put the User id and Password in order to access the website contents. Whenever the user gets logged-in to the website he/she will be directed to the Home page.

1.1 OBJECTIVES

To create a website for reviewing campgrounds by using the data of users such as their geographic location to gather information about the campgrounds they have visited. This data is stored as per each user. The user can post the review for campgrounds which can be public can can be viewed by registered users. One of the major aspect of the website is to keep the data of the user private. This website is packed with security features to meet the expectations of privacy and security.

1.2 BACKGROUND

People interested in camping get to camping spots by difficulties an find it being over crowed or polluted by other campers. This site uses the feedback of the people already visited a specific camp to make easier decisions for other campers who can choose the camping spots based on these feedback from other people.

2. REQUIREMENTS

2.1 HARDWARE REQUIREMENTS

The Website will smoothly run or operate on any system with Processors above or equal to Intel core i3. Any system with Ram with 512 MB and higher.

SOFTWARE REQUIREMENTS

HTML

HTML stands for Hyper Text terminology HTML is that the standard terminology for creating sites HTML describes the structure of an internet page HTML consists of a series of elements HTML elements tell the browser the way to display the content.

CSS

CSS stands for Cascading Style Sheets CSS describes how HTML elements are to be displayed on screen, paper, or in other media CSS saves tons of labor . It can control the layout of multiple sites all directly External stylesheets are stored in CSS files.

JAVA SCRIPT

JavaScript is the world's most popular programming language. JavaScript is that the dominant client-side scripting language of the online . JavaScript is easy to learn. JavaScript, often abbreviated JS, may be a programing language that's one among the core technologies of the planet Wide Web, alongside HTML and CSS.

EXPRESS.JS

Express.js, or just Express, may be a rear web application framework for Node.js, released as free and open-source software under the MIT License. It can be used for developing web applications and APIs. It has been called the to standard server framework for Node.js. The original author, TJ Holowaychuk, described it as a Sinatra-inspired server, meaning that it is relatively minimal with features available as plugins. Express is that the back-end component of popular development.

MongoDB

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with discretionary schemas. MongoDB is originally developed by MongoDB Inc and licensed under the Server Side Public License.

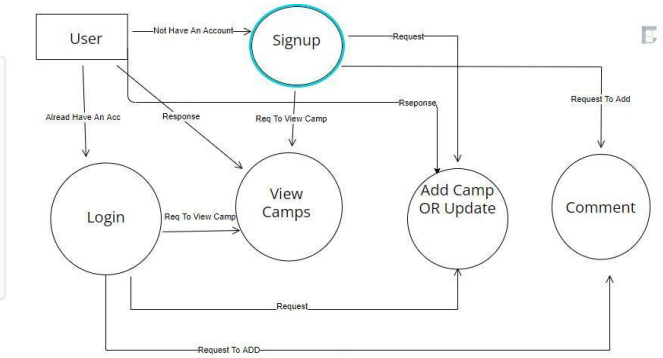
PASSPORT.JS

Passport is authentication middleware for Node.js. Extremely flexible and modular, Passport are often unpretentiously dropped in to any Express-based web application. A comprehensive set of strategies support authentication employing a username and password, Facebook, Twitter, and more

MONGOOSE

Mongoose is an Object Data Modeling (ODM) library for MongoDB and Node.js and it manages relationships between data, provides schema validation, and is employed to translate between objects in code and therefore the representation of these objects in MongoDB.

3. DIAGRAM

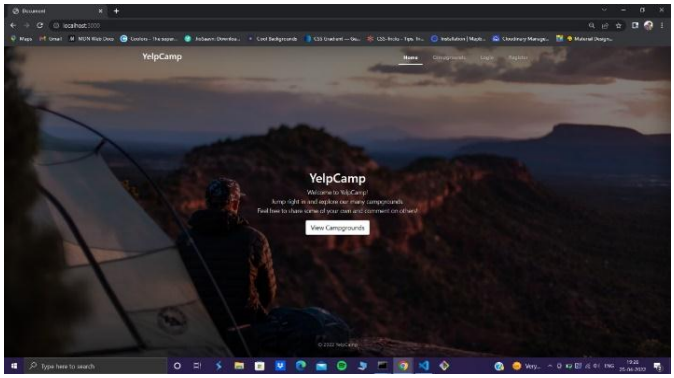


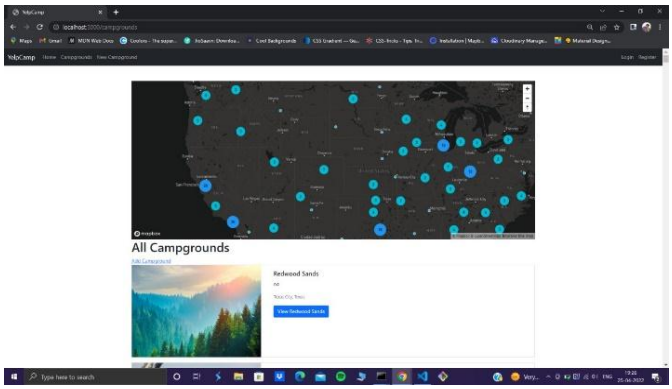
4. IMPLEMENTATION AND MAINTAINENCE

If you want to enter into the form, then if you are admin user then you should enter through login form which checks for authorized access. If you are normal user then you need to create user account to make changes and edit the review. User details would be required for registration.

Whenever a new review details are updated in the central database which helps in generating the updated reports effectively.

5. SCREENSHOTS





6. CONCLUSIONS

This project will help people to get to feedback about the camp. User will register and login to the system where user can enter the login details. User need to verify their account. After Authentication the user can add reviews about campgrounds, edit it and delete it. The other users can then view the rating and reviews of the particular or all nearby campgrounds. This website will be more convenient for users for searching and validating the camp ground.

7. FUTURE SCOPE

This project can be hosted on the internet for public use. The need to improve the User Interface and make it more interactive and hassle free. Keeping the security till date could be a challenge to maintain. Hence, improving the overall security of the system and all users. Expanding the storage for storing hi-res images and optimizing it to be efficient for both storing and retrieving.

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