St Aloysius College (Autonomous), Mangaluru

Department of Computer Science, Application & Animation

VI Semester BCA

Eatables

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Project Synopsis

Title of the Project

Eatables

Abstract

Eatables allows users to discover new food options and read reviews based on their location. Users can search for restaurants and other food establishments in their area, view information about each one, and read reviews from other users. They can also leave their own reviews and ratings. The app uses location data to provide relevant results and recommendations. Additionally, users can create a list of must-try items. The app can be used on desktop and mobile devices. This food discovery platform not only helps users find new food options and read reviews, but it also includes a calorie tracking feature. Users can calculate their daily calorie needs based on their weight, age, and activity level. They can set reminders to help them maintain a healthy diet by reminding them when and what to eat. This feature provides a convenient and comprehensive solution for managing food choices and maintaining a healthy lifestyle.

Objective of the Project

The main objective of this web application is to provide a platform for users to discover new food options and make informed decisions about where to eat based on the experiences of other users.

Making it easy for users to find information about restaurants, including menus and map directions.

Providing a platform for users to share their own experiences and opinions about the hotels they've visited.

Creating a community of food enthusiasts who can share recommendations and discover new places to eat together.

Users can calculate their daily calorie needs based on their weight, age, and activity level. They can set reminders to help them maintain a healthy diet by reminding them when and what to eat.

Helping restaurants increase their visibility and attract new customers.

Project Category – Web-based Application

Language(s) to be used

Frontend : HTML, CSS & JavaScript

Backend : Node JS and MySQL

Structure of the proposed project

User authentication and registration: Users will need to create an account in order to use the app's features. This will include a login system, as well as options for creating a new account or resetting a password.

Search: Users will be able to search for food establishments in their area using various criteria such as location, cuisine, rating, etc.

Establishment information and reviews: Users will be able to view detailed information about the food establishments they search for, including photos, menus, contact information, and hours of operation. They will also be able to read and write reviews about the food establishments.

Map view: Users will be able to view the food establishments on a map, making it easy to see the locations of recommended places.

Favorite and recommendation: Users will be able to save their favorite food establishments for easy access later and also get recommendation based on their search history and liked places

Admin Panel: A separate panel for the admin to manage the app, view analytics, handle complaints and reviews.

Frontend: The application will have a frontend to handle the user interface, navigation and presentation of information.

Database: The application will rely on a database to store information about users, food establishments, and reviews.

Backend: The application will have a backend to handle the logic and communication with the database.

Module Description

1. Administrator
2. Expert
3. General User
4. Guest User

1. Administrator

Managing user accounts: The admin will be able to view, edit, and delete user accounts as necessary.

Managing food establishments: The admin will be able to view, add, edit, and delete food establishments and their details such as menus, hours of operation, and contact information.

Managing reviews: The admin will be able to view, edit, and delete reviews as necessary.

Analyzing data and generating reports: The admin will be able to access analytics and generate reports on user activity, establishment popularity, and review content.

Handling complaints: The admin will be able to handle user complaints and reviews, and take appropriate action when necessary.

2. Experts

The expert provide professional and personalized advice to users regarding their calorie needs, healthy eating habits, and other related topics.

3. General User

User authentication: Users will need to create an account in order to use the app's features, and will be able to log in and out of their account as necessary.

Establishment information and reviews: Users will be able to view detailed information about the food establishments they search for, including photos, menus, contact information, and hours of operation. They will also be able to read and write reviews about the food establishments.

Favorite and recommendation: Users will be able to save their favorite food establishments for easy access later and also get recommendations based on their search history and liked places.

User profile: Users will be able to view and edit their own profile information, such as their name, email address, and password.

User reviews: Users will be able to view their own reviews and ratings of food establishments.

User complaints: Users will be able to submit complaints or feedback regarding their experience with the app or a specific food establishment.

Calorie Tracker: Users can calculate their daily calorie needs based on their weight, age, and activity level. They can set reminders to help them maintain a healthy diet by reminding them when and what to eat.

Any other information

IDE : Visual Studio Code

Services : XAMPP, Google OAuth, Google Maps API, Git & GitHub

Future scope of the Project

Integration with other platforms: The app could be integrated with other popular platforms such as social media, allowing users to share their reviews and recommendations with a larger audience.

Personalized recommendations: Using machine learning to provide even more personalized recommendations to users based on their search history, reviews and ratings, and other data.

Mobile app: Developing a mobile app version of the web app, allowing users to access the app's features on their smartphones and tablets.

Advanced search filters: Adding advanced filters such as dietary restrictions, price range, and distance to help users find the perfect food establishment.

Integrating loyalty programs: Integrating a loyalty program feature to reward frequent users, and also to attract new users.

Bibliography

Node JS Documentation

https://nodejs.org/en/docs/guides/

React JS Documentation

https://beta.reactjs.org/

Reddit community for NodeJS.

https://www.reddit.com/r/node/

W3School modules for HTML, CSS & JS.

https://www.w3schools.com/

Stack overflow for discussion

https://stackoverflow.com/