SYNOPSIS

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Recipe Finder

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Submitted To:

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Recipe Finder

Objective:

Create a user-friendly recipe finder application that allows users to search for meal recipes based on ingredients they have. The application should provide a convenient way for users to discover and prepare meals using the ingredients they already have at home.

Scope:

Our project will encompass the development of the Recipe Finder application, focusing on core features and functionality. It will not cover advanced features such as AI-driven recipe recommendations, which may be considered for future enhancements.

Methodology:

We will employ the MEN stack for web development, utilizing HTML, CSS & Javascript for the front-end and Node.js with Express.js for the back-end. MongoDB will serve as the database system for storing user profiles, ingredients, and recipes. Additionally, we will leverage various web technologies for a seamless user experience.

Proposed System:

The proposed system is an all-in-one recipe finder platform that allows users to search for recipes based on their available ingredients, dietary preferences, and cooking habits. It offers a user-friendly interface, a wide variety of recipes, and a comprehensive set of features to make cooking enjoyable and convenient.

Features:

1. Recipe Search:

- Users can search for recipes based on various criteria such as cuisine, ingredients, preparation time, dietary restrictions, and more.

2. User Accounts:

- Users can create their own accounts with a username and password.

3. Add Your Own Recipe:

- Registered users can submit their own recipes to the platform.

4. Favorites:

- Users can save recipes to their list of favorites or bookmarks for easy access in the future.

- A dedicated "Favorites" section should be available for users to manage their saved recipes.

5. Comment Sections:

- Users can leave comments and reviews on recipes they've tried.

Implementation Plan:

The project will be developed in several phases:

Phase 1: System architecture and database design.

Phase 2: Front-end development and basic functionality.

Phase 3: Back-end development and advanced features.

Phase 4: Testing, debugging, and security enhancements.

Phase 5: Deployment and user testing.

Team Members:

Front-end Developers: [Ishu Goyal, Ajay Dhakrey]

Back-end Developers: [Gaurav Patel, Dev Sharma]

Resources Required:

Text Editor/IDE:

Use a code editor or integrated development environment suitable for Node.js development, such as Visual Studio Code.

Node.js and npm:

Install Node.js and npm (Node Package Manager) for server-side development.

MongoDB:

Install and set up MongoDB as your database management system.

Express.js:

Use Express.js for building the backend of your application.

Render:

Render is a platform for developers that simplifies the deployment and scaling of web applications and services. It offers a user-friendly interface, auto-scaling, and support for various programming languages, making it a robust choice for hosting and managing web applications.

References:

1. Stack Overflow.

2. MongoDB Documentation.

3. Express Documentation.

4. MDN Documentation.

Expected Outcomes:

We aim to deliver a fully functional Recipe Finder application with an initial user base of 4 Members within a month . The expected outcome is a user-friendly and reliable software application that simplifies the cooking experience for individuals.

Project Supervisor:

Mr. Ankit Arora (Technical Trainer, Dept. Of CEA)

Conclusion:

Our project strives to address the need for a user-friendly recipe finder application that enhances the cooking experience by leveraging technology. By adhering to our implementation plan and collaborating effectively as a team, we anticipate delivering a successful product that simplifies meal planning and preparation for users.