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SYNOPSIS

**ON**

**Recipe Book**

Submitted By: Submitted To:

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**Title of the Project:**

TasteHub(A Digital Recipe Book)

**Objective:**

The main objective of a digital recipe book is to provide a convenient and accessible platform for users to discover, organize, and utilize culinary recipes.

**Scope:**

This project intends to simplify and enhance the cooking experience for users, making it more enjoyable, accessible, and rewarding.

**Methodology:**

The project will be implemented using frontend development (HTML, CSS, JAVASCRIPT), Node Js, Express, MongoDB, RESTful API, Bootstrap technologies.

**Proposed System:**

A digital recipe book website that will create a comprehensive and engaging platform for users to explore, discover and enjoy cooking.

**Features:**

Key Features of the website:

-> A secure authentication system

-> Responsive Design: Ensuring the website works well on different devices and screen sizes.

-> Recipe Repository: A vast collection of recipes covering various cuisines, dietary preferences, meal types, and occasions.

-> Search and Filter: Ability to search for recipes by keywords, ingredients, cooking time, difficulty level.

-> Recipe Details: Clear and detailed instructions for each recipe, including ingredients, preparation steps, cooking methods and serving suggestions.

->Interaction and Engagement: Ratings and reviews for recipes, allowing users to share feedback and experiences, comment section for users to ask questions, share tips and interact with other cooking enthusiasts.

**Implementation Plan:**

Step 1: Project Setup and Planning

Duration: 1 Week

Define project requirements and objectives.

Create wireframes and mockups for the user interface.

Set up the development environment (install necessary software/tools).

Step 2: Frontend Development

Duration: 2 Weeks

Develop the frontend UI using HTML, CSS, and Bootstrap.

Implement responsive design to ensure compatibility with various devices.

Integrate JavaScript for interactive elements and user experience enhancements.

Step 3: Backend Development (Node.js)

Duration: 3 Weeks

Set up a Node.js environment for server-side development.

Design and develop RESTful APIs for serving recipe data and handling user requests.

Implement authentication and authorization mechanisms.

Integrate with a database system (e.g., MongoDB) for storing and retrieving recipe and feedbacks.

Step 4: Integration and Testing

Duration: 2 Weeks

Integrate frontend and backend components to create a functional system.

Conduct unit tests for individual components/modules.

Perform integration testing to ensure seamless interaction between frontend and backend.

Week 1-2: Project Setup and Planning

Week 3-4: Frontend Development

Week 5-7: Backend Development (Node.js)

Week 8-9: Integration and Testing

**Team Members:**

Priyanshi Sharma- Backend Development & Representative

Bharat Kumar- Frontend Development

Tanishka Agarwal- Designing & Frontend Development

Krishnanand Yadav- Backend Development

**Resources Required:**

->Web Development Tools: Code editor or integrated development environment (IDE), Command Prompt for writing and editing HTML, CSS, JavaScript, MongoDB.

->Hardware: Development Computer, Mobile phone -for testing web responsiveness and QR code scanning.

->Software: Text editor VSCode, Web browser, Node.js, Git, MongoDB, Hosting service

-> API and services

**References:**

Online resources like geeks for geeks, w3schools.com, expressjs.com, etc.

**Expected Outcomes:**

A digital recipe book that will enrich users’ cooking experiences, foster a sense of community and inspiration, and empower them to create delicious and memorable meals with confidence and enjoyment.

**Project Supervisor:**

Mr. Akash Kumar Choudhary

**Conclusion:**

A Digital Recipe Book website including essential features such as user authentication, user accounts and profiles, visuals, search and Filter, Interaction and engagement, comment section, offline access and feedback collection.