A Project Report

On

Recipe Finder

Submitted by

Gaurav Patel **–** 2115000404
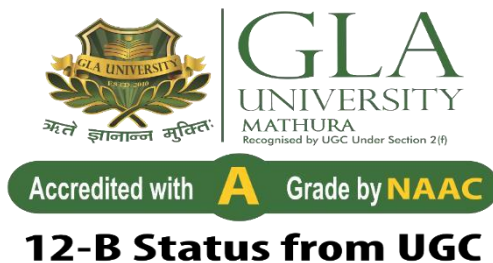
Ishu Goyal – 2115000482

Dev Sharma – 2115000335

Ajay Dhakrey -2115000089

Submitted to

Dr. Ankit Arora

(Technical Trainer)

Department of Computer Engineering &Application
G.L.A. UNIVERSITY

GLA University, Mathura - 281406

01/12/2023

BONAFIDE CERTIFICATE

Certified that this project report "**Recipe Finder**" is the Bonafede work of

Gaurav Patel **-** 2115000404

Ishu Goyal - 2115000482

Dev Sharama - 2115000335

Ajay Dhakrey - 2115000089

who carried out the project work under my supervision.

SIGNATURE (HOD)   **SIGNATURE (SUPERVISOR)**

HEAD OF THE DEPARTMENT   **Dr. Ankit Arora**

 CEA Department   **(Technical Trainer)**

                    CEA Department

Submitted for the project viva-voce examination held on 01 December 2023.

ACKNOWLEDGEMENT

Presenting the ascribed project paper report in this very simple and official form, we would like to place my deep gratitude to GLA University for providing us with the instructor Dr. Ankit Arora, our technical trainer and supervisor.

He has been helping us since Day 1 of this project. He provided us with the roadmap, and the basic guidelines explaining on how to work on the project. He has been conducting regular meetings to check the progress of the project and providing us with the resources related to the project. Without his help, we wouldn't have been able to complete this project.

And at last but not least we would like to thank our dear parents for helping us to grab this opportunity to get trained and also my colleagues who helped me find resources during the training.

Thanking You !

Name of Candidate: Gaurav Patel

                    (2115000404)

Name of Candidate: Ishu Goyal

                    (2115000482)

Name of Candidate: Dev Sharma

                    (2115000335)

Name of Candidate: Ajay Dhakrey

                    (2115000089)

<u>CERTIFICATE</u>

This is to certify that the above statement made by the students is correct to the best of my knowledge and belief.

Date: 01/12/2023

Place: Mathura

Name and Signature with Affiliation of Supervisor

Dr. Ankit Arora

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ABSTRACT

The Recipe Finder application is a groundbreaking solution designed to simplify meal planning by providing users with a user-friendly platform to search for recipes based on their available ingredients. Developed using the MEN stack (MongoDB, Express.js, Node.js), the application offers a seamless experience for discovering and preparing diverse meals. With features like recipe search based on various criteria, user accounts, the ability to add personal recipes, and a dedicated favourites section, Recipe Finder aims to revolutionize the cooking experience.

Key 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. **Favourites:-**

   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.

INTRODUCTION

1.1 CONTEXT:-

The Recipe Finder project is an innovative solution in the culinary domain, focusing on providing a user-friendly platform for individuals to discover, save, and share recipes. This digital platform aims to simplify the cooking experience, catering to individuals with varying culinary skills and preferences.

1.2 MOTIVATION:-

The motivation behind Recipe Finder is to streamline the process of discovering and preparing meals. By leveraging technology, the project seeks to empower users, from novices to experienced cooks, with a diverse array of recipes and cooking insights. The overarching goal is to inspire a broader audience to explore and enjoy the art of cooking.

1.3 OBJECTIVE:-

Recipe Finder is designed as an online hub dedicated to offering an extensive collection of recipes. The platform's objective is to provide users with a seamless cooking experience by presenting a curated assortment of high-quality recipes, fostering a sense of culinary exploration.

1.4 EXISTING SYSTEM:-

The existing systems in the recipe-sharing landscape involve studying competitor platforms, such as Allrecipes and Food Network, implementing user-friendly interfaces, integrating database systems for recipe storage, utilizing cloud services for scalability, and employing analytics tools for user engagement insights.

SOFTWARE REQUIREMENT ANALYSIS

2.1 IMPACT OF THIS ON DAILY LIFE:-

Accessibility and Convenience: Enables users to discover and save recipes conveniently from anywhere, eliminating the need for traditional recipe books.

Culinary Exploration: Encourages culinary exploration by providing easy access to a diverse range of recipes, promoting creativity in cooking.

2.2 PROBLEM STATEMENT:-

The current limitations in accessing varied recipes and cooking guidance prompt the need for an innovative recipe-sharing platform. Recipe Finder aims to address this gap by offering a wide range of recipes, cooking tips, and a supportive community, empowering users in their culinary pursuits.

2.3 HARDWARE AND SOFTWARE REQUIREMENTS:-

Hardware Requirement

   Processor: any smartphone processor

   • RAM: 8 GB (or higher)

   • Hard disk: 256GB

Software Requirement

   • Software used: Visual Studio Code
   • Language used: HTML, CSS, JavaScript,
     Version control : git ,github.
   • User Interface Design: Website

2.4 MODULES AND FUNCTIONALITIES

Modules:

- User Management
- Recipe Management
- Search and Filters
- Community Interaction

Functionalities:

- User Experience
- Recipe Presentation
- Community Engagement
- Security and Trust

IMPLEMENTATION AND USER INTERFACE

Week 1: Planning and Design

- Day 1-2: Requirement Gathering

- Day 3-4: Wireframing and Design

- Day 5-7: Prototype Development

Week 2-3: Frontend Development

- Day 8-10: Tech Stack Selection

- Day 11-14: Frontend Setup and Structure

- Day 15-17: Recipe Listing and Detail Pages
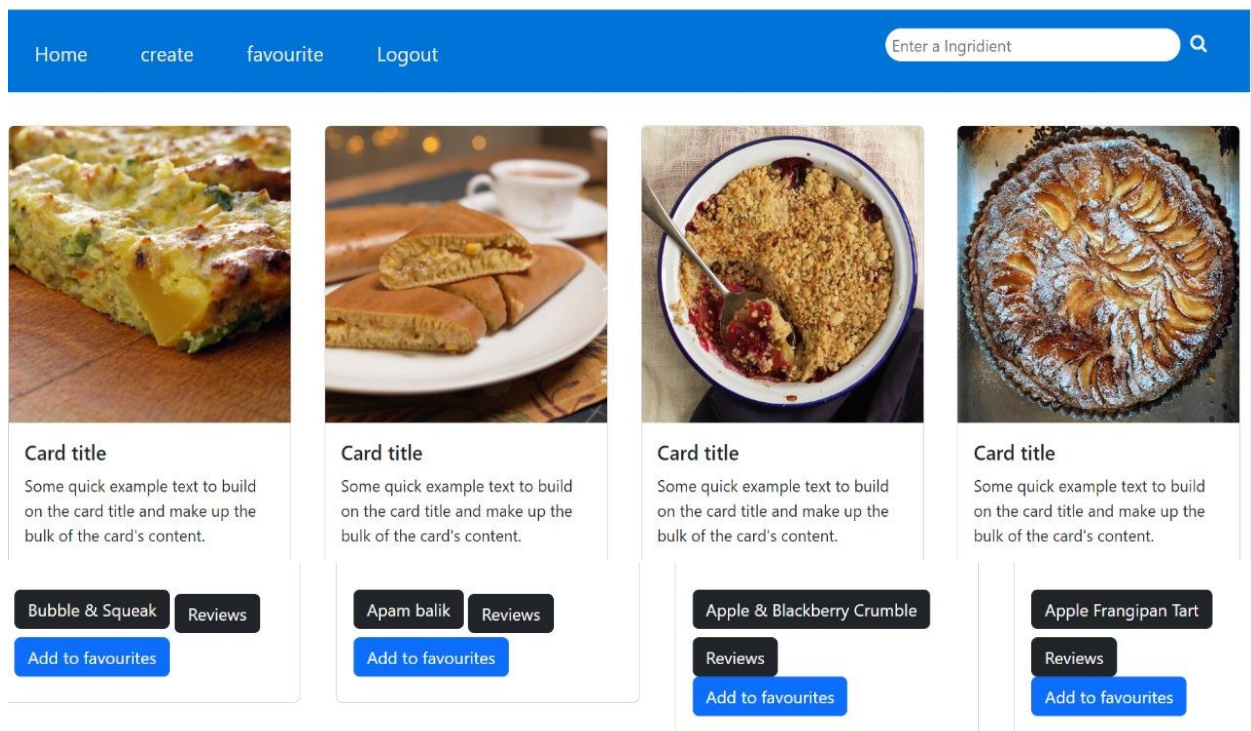
- Day 18-21: User Interaction Features

Week 4: Refinement and Testing

- Day 22-24: Optimization and Responsive Design

- Day 25-30: User Testing, Feedback, and Final Polishi

FLOW CHART
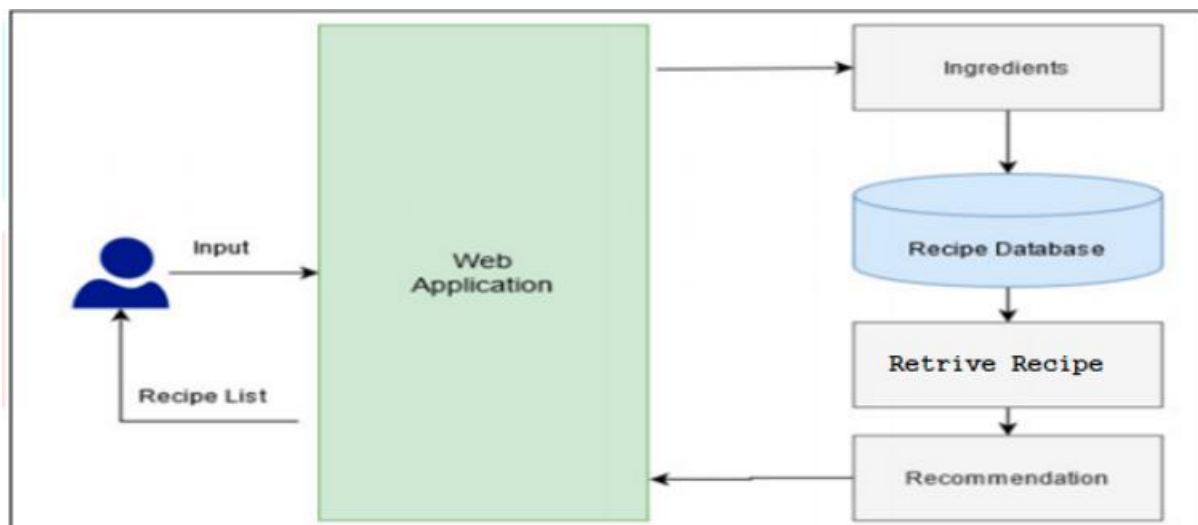
USER INTERFACE

CONCLUSION

In crafting the Recipe Finder platform using HTML, CSS, and JavaScript, our goal was to create a user-centric solution that prioritizes culinary exploration while delivering essential functionalities. The implementation included careful structuring with HTML, aesthetically pleasing styling using CSS, and dynamic interactivity through JavaScript.

Through thoughtful UI/UX design, we aimed to offer users an intuitive and engaging interface. From the navigational ease to the visual appeal of recipe displays and the efficiency of the interaction process, every aspect was crafted to ensure a satisfying culinary exploration experience.

By employing responsive design principles, optimizing performance, and implementing robust security measures, our objective was to create a versatile and secure platform accessible across devices while safeguarding user data.

This project represents a harmonious fusion of technology and culinary exploration, aiming to cater to the diverse needs of individuals interested in cooking. As we conclude this endeavor, the focus remains on delivering a functional, efficient, and visually compelling recipe-sharing solution that enriches the user's culinary journey.

REFERENCES

HTML:

      1. MDN Web Docs (Mozilla Developer Network)

      2. W3Schools

      3. HTML Dog

CSS:

      1. MDN Web Docs

      2. W3Schools

      3. CSS-Tricks

      4. Bootstrap.

JavaScript:

      1. MDN Web Docs

      2. W3Schools

      3. Eloquent JavaScript (Book by Marijn Haverbeke)

      4. You Don't Know JS (Book Series by Kyle Simpson)

Version Control (Git):

      Git documentation: https://git-scm.com/doc