

## **PROJECT REPORT**

### **PROJECT: DIGITAL RECIPE BOOK**

**SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR  
B. TECH IN INFORMATION TECHNOLOGY.**

**BY**

**YASHASVI CHOUDHARY**

**241081010**

**&**

**SUDIKSHA KADAM**

**241081029**

**UNDER THE GUIDANCE OF**

**PROF. SNEHA PANDE**



**COMPUTER ENGG. & IT DEPARTMENT VEERMATA JIJABAI  
TECHNOLOGICAL INSTITUTE MATUNGA, MUMBAI-400019**

## **STATEMENT OF CANDIDATE:**

We hereby declare that the project report titled "**DIGITAL RECIPE BOOK**" is an original work carried out by us as part of the B. Tech curriculum in Information Technology at Veermata Jijabai Technological Institute. This report faithfully represents our individual and collective contributions, and all ideas, data, and content borrowed from other sources have been duly acknowledged through appropriate citations and references.

We affirm that this submission complies with the institute's academic integrity guidelines, and we have not engaged in any form of plagiarism, fabrication, or misrepresentation. We understand that any violation of these principles may lead to disciplinary actions by the institute and legal consequences from external sources where applicable.

This work stands as a testament to our sincere efforts and learning throughout the duration of the project.

**YASHASVI CHOUDHARY**

**241081010**

**STUDENT AT: VJTI, MUMBAI**

**SUDIKSHA KADAM**

**&**

**241081029**

**STUDENT AT: VJTI, MUMBAI**

## **CERTIFICATE**

This is to certify that **YASHASVI CHOURHARY [241081010]**, a student of B. Tech in Information Technology, has successfully completed the project dissertation titled '*Digital Recipe Book*' as part of the Web Development curriculum, to our satisfaction.

**PROF. SNEHA PANDE**

Project Guide

**DR. V.K. SAMBHE**

HoD, CE and IT Department

**VJTI, MUMBAI**

**DATE: 15 / 5 /2025**

## **CERTIFICATE**

This is to certify that **SUDIKSHA KADAM [241081029]**, a student of B. Tech in Information Technology, has successfully completed the project dissertation titled '*Digital Recipe Book*' as part of the Web Development curriculum, to our satisfaction.

**PROF. SNEHA PANDE**

Project Guide

**DR. V.K. SAMBHE**

HoD, CE and IT Department

**VJTI, MUMBAI**

**DATE: 15 / 5 /2025**

## **ACKNOWLEDGMENTS:**

We would like to express our heartfelt gratitude to everyone whose support and cooperation proved invaluable throughout the course of this project.

We extend our sincere thanks to our guide, Prof. Sneha Pande, for her continuous guidance, encouragement, and insightful feedback, which played a crucial role in shaping this project. Her support not only enhanced our technical understanding but also motivated us to grow personally and academically.

We are also thankful to Dr. V. K. Shambhe, Head of the Department of Computer Engineering and Information Technology, for his constant motivation and for providing us with the necessary facilities and environment that supported the successful completion of this work.

Our gratitude also goes to all the teaching and non-teaching staff of the Department of Computer Engineering and Information Technology for their assistance, directly or indirectly, during various stages of the project.

## **CONTENTS**

• Cover Page	1
• Statement of Candidate	2
• Certificate	3
• Acknowledgements	4
1. Introduction .....	7-9
1. Motivation .....	9
2. Problem Statement .....	9
3. Purpose .....	10
4. Objectives .....	10
2. Proposed work .....	11-12
1. System Design .....	13
2. Implementation .....	14
3. Overview .....	15
3. Functionalities .....	42-43
1. Features .....	43
2. Future Advancements .....	44
4. Conclusion .....	46
1. Technologies Used .....	47
2. References .....	47

# **REPORT**

## **DIGITAL RECIPE BOOK**

### **INTRODUCTION:**

In today's rapidly evolving digital world, technology has become more than just a convenience—it has become a foundational element of how we live our daily lives. From the moment we wake up and check our phones to how we communicate, shop, work, and relax, technology is embedded in virtually every routine we perform. One area that might seem less obvious but has been equally transformed is the kitchen. Cooking, once a completely manual and tradition-based activity, has now been reimagined through the lens of digital innovation. For centuries, people have passed down recipes through handwritten notes, family cookbooks, or word of mouth. While these methods are rich in history and sentiment, they are often impractical in the fast-paced lives we lead today. They are easily misplaced, difficult to organize, and inaccessible when we need them most—especially when trying to adapt to a digital lifestyle that values speed, clarity, and convenience.

In recent years, the rise of food blogs, recipe apps, and online culinary communities has demonstrated that people are increasingly turning to digital platforms for their cooking needs. Whether it's browsing Pinterest for dinner inspiration, saving a YouTube tutorial, or bookmarking a complex dessert from a food magazine's website, users now expect their culinary tools to be as smart and adaptable as the devices they use every day. However, despite the availability of countless cooking websites and mobile apps, many of them fall short of providing a seamless and personalized experience. Users frequently encounter cluttered interfaces, intrusive ads, endless scrolling, or a lack of proper organization. Rather than making cooking easier, these platforms often contribute to frustration. Recipes may be difficult to find, steps may be buried under paragraphs of storytelling, and ingredient lists may be formatted inconsistently. In short, while technology has touched the cooking world, it hasn't always improved it in meaningful, user-centric ways.

The idea for our project, *RecipeLove – The Digital Recipe Book*, was born from recognizing this very problem. We noticed a gap between the promise of digital convenience and the reality faced by everyday users trying to manage their recipes online. Instead of offering yet another bloated application filled with unnecessary features, our goal was to build something streamlined, intuitive, and visually clean. *RecipeLove* aims to serve as a true digital companion for cooking—one that's not only practical and functional but also pleasant to use. At its core, the platform is designed to simplify how users discover, save, and revisit recipes. By creating a responsive web-based application, we sought to offer a centralized place where people could store their favourite meals, organize them into categories, and access them quickly, whether on a desktop computer, a phone, or a tablet on the kitchen counter.

The platform is designed to cater to a broad range of users. For those new to cooking, *RecipeLove* offers clarity and simplicity. Recipes are clearly laid out with ingredients, instructions, and supporting visuals to make following along easy. For more experienced home cooks, the platform provides inspiration and flexibility, with categorized browsing options and an interface that encourages culinary exploration. Unlike generic blog posts or recipe dumps found elsewhere, *RecipeLove* is structured to make searching for and following recipes feel effortless, rather than tedious. The motivation for this project was also deeply personal—we saw how many people around us, including family members and friends, struggled to keep their favourite recipes organized. Some had notes scribbled in old diaries, others kept screenshots on their phones, while some relied on long-forgotten browser bookmarks that were impossible to sort through. These disjointed approaches led to a common outcome: frustration, redundancy, and lost time.

With this background in mind, *RecipeLove* was envisioned as more than just a digital notebook—it's a full-fledged recipe management tool that fits seamlessly into modern life. Its design reflects a user-first philosophy, where clean aesthetics meet functionality. By avoiding unnecessary clutter and instead focusing on layout, readability, and responsiveness, the platform creates a calming and efficient environment for meal planning and cooking. We built *RecipeLove* with the understanding that people often use their phones or tablets while cooking, so a mobile-first approach was integral. This means buttons are touch-friendly, content adjusts smoothly to different screen sizes, and navigation is kept simple to reduce stress while multitasking in the kitchen. Whether it's checking ingredients at the grocery store, reading instructions while cooking, or saving a new recipe during a lunch break, *RecipeLove* is optimized to support users in their daily culinary routines.

The creation of *RecipeLove* also reflects a culmination of our academic journey in the field of Information Technology. This final-year project gave us the opportunity to apply the theories and skills we've learned in a real-world context. Through the use of foundational web development languages—HTML for structure, CSS for styling, and Bootstrap for layout and responsiveness—we brought our vision to life. The project pushed us to think not just like developers, but also like designers, planners, and users. We learned how to structure content for usability, how to build interfaces that are both aesthetic and functional, and how to design with scalability in mind. From initial wireframing and planning to coding, testing, and revising, every step required attention to detail and a deep understanding of the user experience. We also began exploring future-facing enhancements such as advanced search filters, recipe tagging, meal scheduling features, and user accounts, which could all help evolve the platform further into a comprehensive cooking assistant.

Beyond its technical execution, *RecipeLove* is rooted in something more meaningful: the belief that cooking is a vital and often emotional part of life. It connects us to our cultures, our families, and even ourselves. A single dish can carry memories, evoke feelings, and bring people together in powerful ways. By making recipes more accessible, more organized, and more enjoyable to use, *RecipeLove* doesn't just save time—it preserves tradition, encourages creativity, and empowers users to engage more deeply with the act of cooking. We see it as a bridge between the analogous

past and the digital future, where cherished handwritten recipes and modern cooking trends can coexist in harmony.

This report begins with an exploration of the inspiration and intentions behind *RecipeLove*, highlighting the real-world problem we aimed to solve and the principles that guided our development. From there, it delves into the details of the design process, technical implementation, challenges faced, and the lessons learned along the way. Most importantly, it illustrates how a simple idea—organizing recipes—can lead to a powerful and impactful application when approached with the right blend of creativity, technical skill, and human-centred thinking. *RecipeLove* is not just a project; it's a statement about how technology, when designed thoughtfully, can enrich the way we live and interact with everyday tasks.

## **MOTIVATION:**

The inspiration for *RecipeLove* stemmed from the increasing reliance on technology in daily tasks, including cooking. In a fast-paced world, people seek convenience, and traditional methods of storing recipes such as handwritten notes, cookbooks, or scattered bookmarks, are no longer efficient. This often leads to frustration and wasted time when trying to find or organize recipes.

*RecipeLove* addresses this gap by offering a centralized, easy-to-use, digital platform that allows users to discover, organize, and share recipes. With mobile devices becoming essential in the kitchen, a responsive and intuitive platform is crucial. *RecipeLove* enables users to search, filter, and view recipes on any device, making cooking more streamlined.

In contrast to traditional methods, *RecipeLove* ensures recipes are always accessible, neatly organized, and easy to search. It eliminates the issues of physical space, damage, and disorganization. Ultimately, it simplifies the process of managing recipes and enhances the cooking experience for modern users.

## **PROBLEM STATEMENT:**

As technology continues to advance, traditional methods of managing cooking recipes are becoming less practical. Handwritten recipe cards, printed cookbooks, and digital bookmarks often create disorganization, and searching through them can be time-consuming and frustrating. People face difficulties in maintaining their recipe collections, especially when the materials are prone to wear, misplacement, or disorganization.

Moreover, many online recipe platforms are either too cluttered or lack the necessary tools to make recipe discovery efficient. Users often find themselves overwhelmed by irrelevant results, making the process of finding new recipes or returning to favourite ones cumbersome. With the growing reliance on smartphones and tablets in the

kitchen, there's a clear need for a digital solution that allows users to seamlessly organize, search, and access recipes from one central platform.

*RecipeLove* seeks to resolve these issues by offering a streamlined, intuitive, and accessible digital recipe book that helps users find and organize recipes more efficiently, whether they are at home, in the kitchen, or on the go.

## **PURPOSE:**

The primary purpose of *RecipeLove* is to provide a centralized, easy-to-use platform where users can access and manage a collection of cooking recipes. It aims to simplify the process of finding, viewing, and following recipes by organizing them in a clean, searchable, and responsive web interface.

This project is intended to eliminate the need for scattered recipe notes, printed cookbooks, or multiple browser bookmarks. Instead, it offers a digital solution that brings convenience to the kitchen—whether users are planning meals, trying new dishes, or just looking for inspiration.

By combining functionality with an appealing design, the website enhances the user experience, making it easier for individuals to explore recipes and improve their cooking skills, anytime and anywhere.

## **OBJECTIVES:**

The primary goals of the *RecipeLove* project are to create a streamlined, user-friendly platform for managing and accessing recipes, while addressing the limitations of traditional recipe storage methods. The following objectives outline the key features and functionalities of the digital recipe book:

- **To Develop a Web-Based Recipe Platform:**
  - Create a responsive and accessible digital recipe book that allows users to browse, search, and view cooking recipes online.
- **To Implement Recipe Search Functionality:**
  - Provide users with a search feature to easily find recipes by name or type.
- **To Design a Simple, Clean User Interface:**
  - Focus on a user-friendly and minimalist design for better usability and ease of navigation.

- **To Ensure Mobile Compatibility:**
  - Make sure the platform is fully responsive, working seamlessly across all devices (desktop, tablet, and mobile).
- **To Present Detailed Recipe Information:**
  - Display key information for each recipe, such as ingredients, cooking instructions, and preparation time.
- **To Organize Recipes Effectively:**
  - Categorize recipes by type (e.g., breakfast, lunch, dinner) to make browsing easier for users.
- **To Provide a Visually Appealing Layout:**
  - Use a grid-based layout to showcase recipes with images, titles, and brief descriptions.

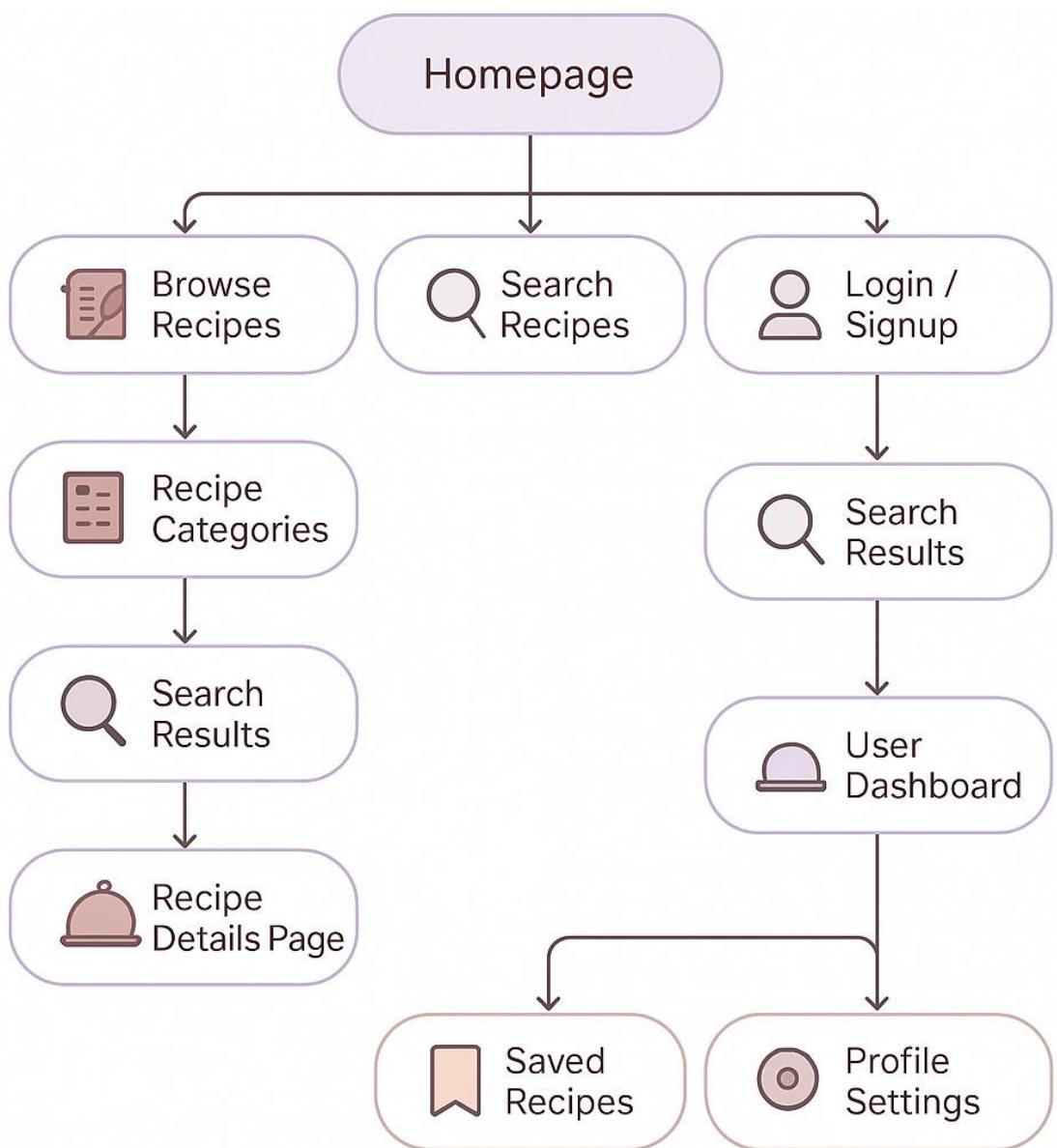
## **PROPOSED WORK:**

- **Responsive Design:**

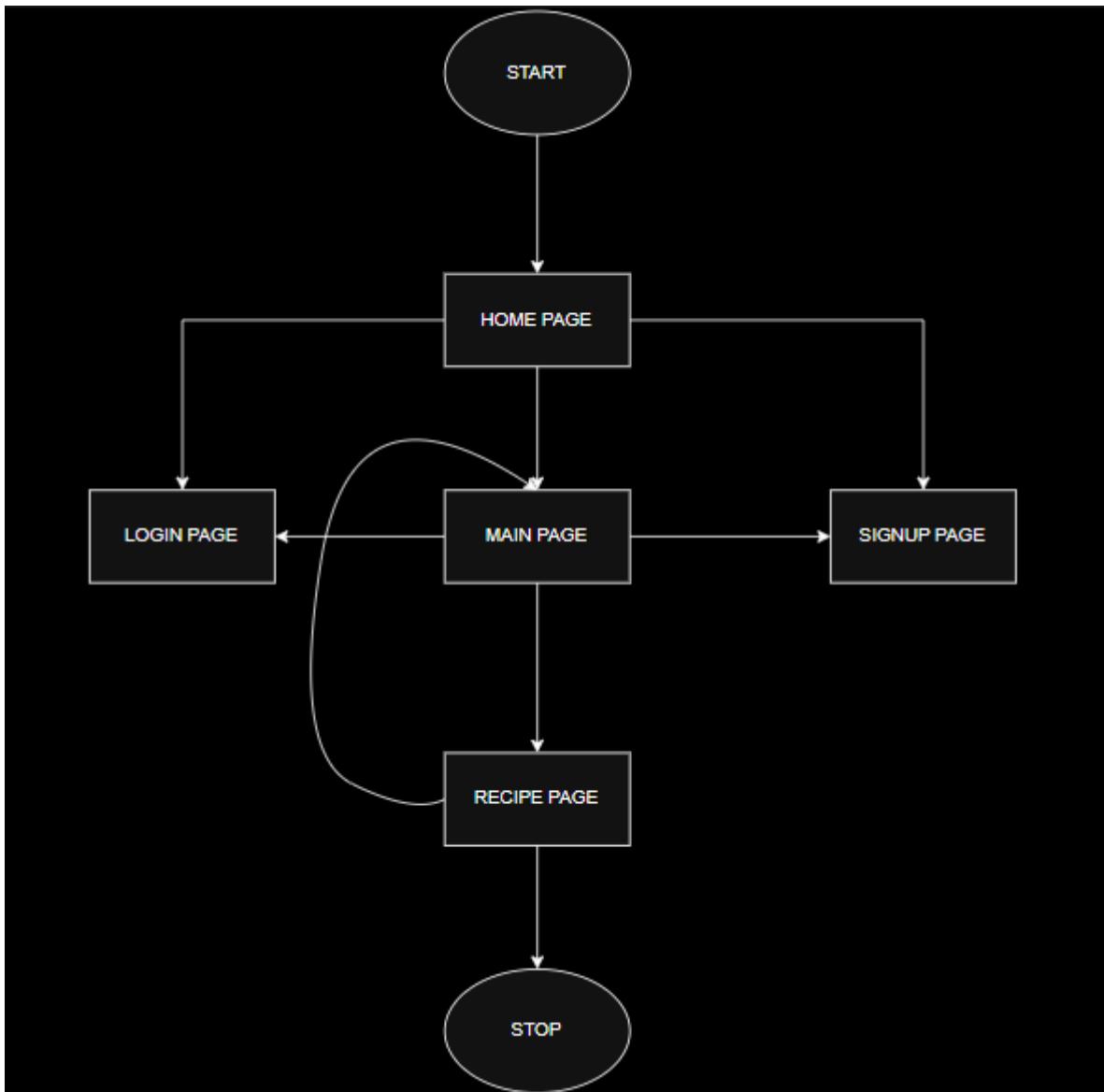
One of the key focuses of the project was to ensure the website worked seamlessly across different devices. This was achieved by using responsive design principles, ensuring the layout adapted well to both large and small screen sizes.
- **Dynamic Content with JavaScript:**

Incorporating interactivity using JavaScript was an enriching part of the development process. By implementing the recipe search and filter features, we were able to improve the user experience, making it easier to navigate and find specific recipes by managing event listeners.
- **Design Consistency:**

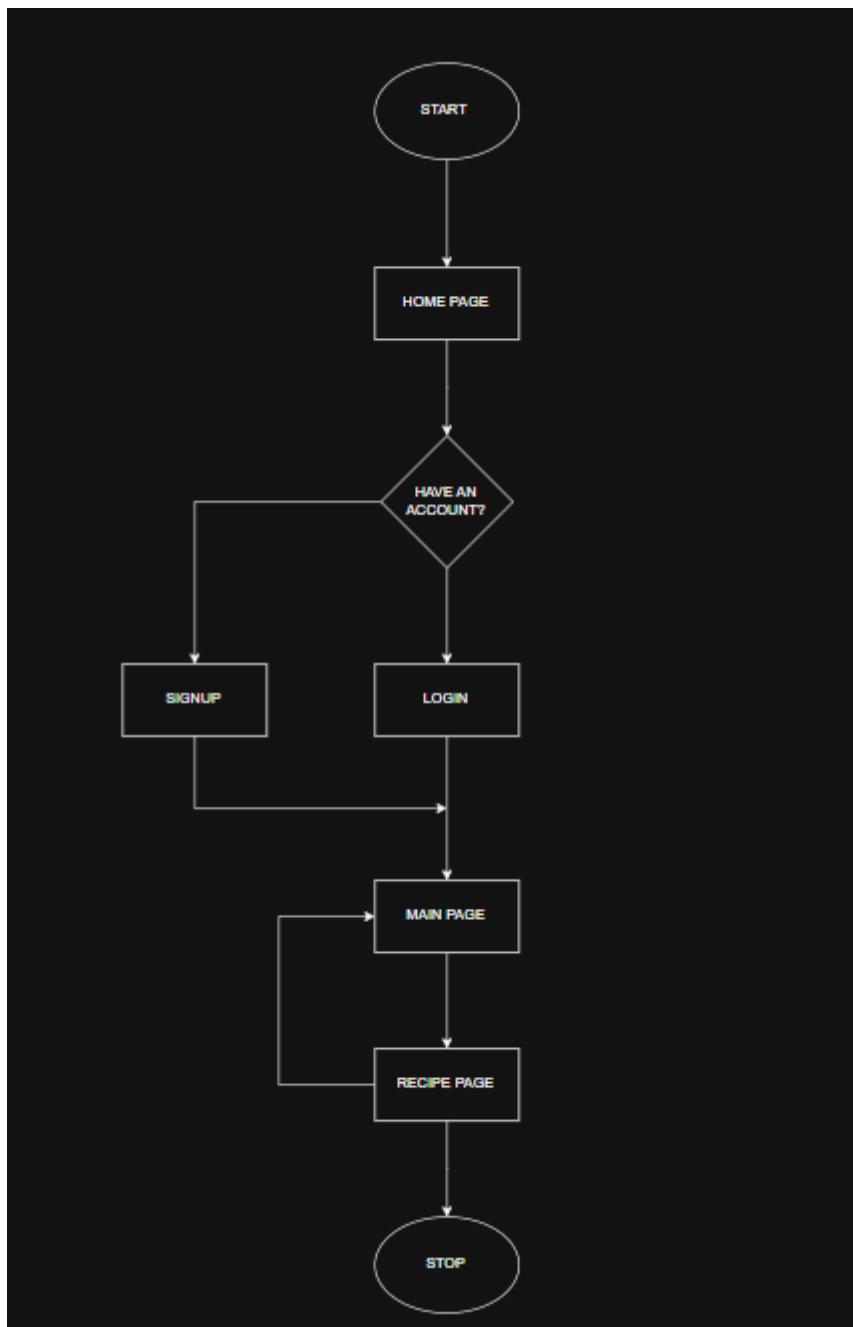
Ensuring visual consistency across the site was a priority. The clean, minimalist aesthetic was achieved through careful attention to typography, spacing, and layout elements. We implemented extensive CSS knowledge, especially around flexbox and grid for responsive layouts.



## SYSTEM DESIGN:



## IMPLEMENTATION:



## **OVERVIEW:**

### **PAGE STRUCTURE OVERVIEW:**

- **home.html** – Welcome page with an overview of features and a call to action.
- **signup.html** – Signup interface for user authentication features.
- **user.html** – User dashboard for managing saved recipes and preferences.
- **main.html** – Main recipe listing page with filters and category navigation.
- **recipe.html** – Individual recipe detail page with ingredients, steps, and images.

### **HOME PAGE:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      RecipeLove
    </title>
    <link href="home.css" rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Raleway&display=swap" rel="stylesheet">
    <link rel="icon" href="logo.png" type="image/png" style="border-radius: 5px;">

    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
      href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
      rel="stylesheet">

  </head>

  <body>
```

```
<header>
  <div class="logo">
    <figure>
      
      <figcaption>RecipeLove</figcaption>
    </figure>
  </div>
  <h1 class="tagline">
    ANYONE CAN COOK!
  </h1>
  <div class="search-container">
    <input type="text" placeholder="Search here..." class="search-input">
    <button class="search-button">Search</button>
  </div>
  <form class="search">
    <a class="button" target="_blank" href="main.html">Get Started</a>
    <a class="button" target="_blank" href="login.html">Log In</a>
    <a class="button" target="_blank" href="signup.html">Sign Up</a>
  </form>
</header>
```

```
<div class="navbar">
  <div class="navoption">
    Meals
    <div class="navoptionbox">
      <ul>
        <li><a href="#">Breakfast</a></li>
        <li><a href="#">Snacks</a></li>
        <li><a href="#">Lunch</a></li>
        <li><a href="#">Brunch</a></li>
```

```
<li><a href="#">Dinner</a></li>
<li><a href="#">Desserts</a></li>
<li><a href="#">Drinks</a></li>
</ul>
</div>

</div>

<div class="navoption">
    Type
    <div class="navoptionbox">
        <ul>
            <li><a href="#">Veg</a></li>
            <li><a href="#">Non-Veg</a></li>
            <li><a href="#">Fast</a></li>
            <li><a href="#">Eggs</a></li>
            <li><a href="#">Fruits</a></li>
        </ul>
    </div>
</div>
```

```
<div class="navoption">
    Cuisines
    <div class="navoptionbox">
        <ul>
            <li><a href="#">Indian</a></li>
            <li><a href="#">Mexican</a></li>
            <li><a href="#">Italian</a></li>
            <li><a href="#">French</a></li>
            <li><a href="#">Chinese</a></li>
            <li><a href="#">Thai</a></li>
```

```
</ul>
</div>
</div>

<div class="navoption">
    Kitchen Tips
    <div class="navoptionbox">
        <ul>
            <li>  Cooking Tips</li>
            <li>  Cleaning Tips</li>
            <li>  Storage Tips</li>
        </ul>
    </div>
</div>
</div>

<div class="content">
    <div class="banner">
        <h1>
            Welcome to RecipeLove!
            <br>Find what you love,
            <br>Make what you love!
        </h1>
    </div>
    <div class="section">
        <div class="text">
            <h1>Gourmet made simple and fun</h1>
            <br>Find what you crave
            <br>Prepare in the easiest authentic way
        </div>
    </div>

```

```
<div class="image">
  
</div>
</div>

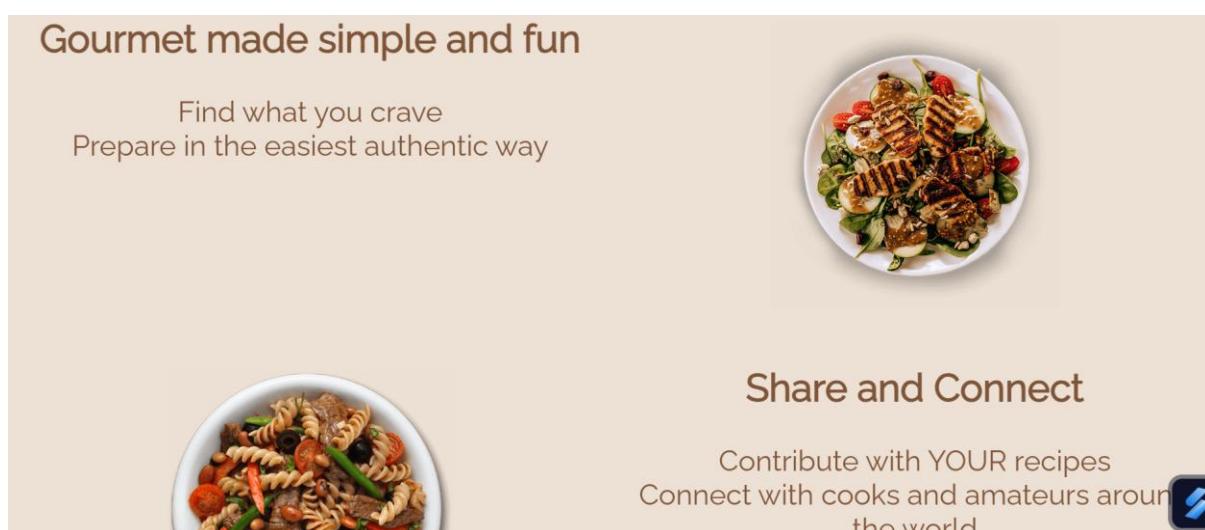
<div class="section">
  <div class="image">
    
  </div>
  <div class="text">
    <h1>Share and Connect</h1>
    <br>Contribute with YOUR recipes
    <br>Connect with cooks and amateurs around the world
  </div>
</div>
</div>

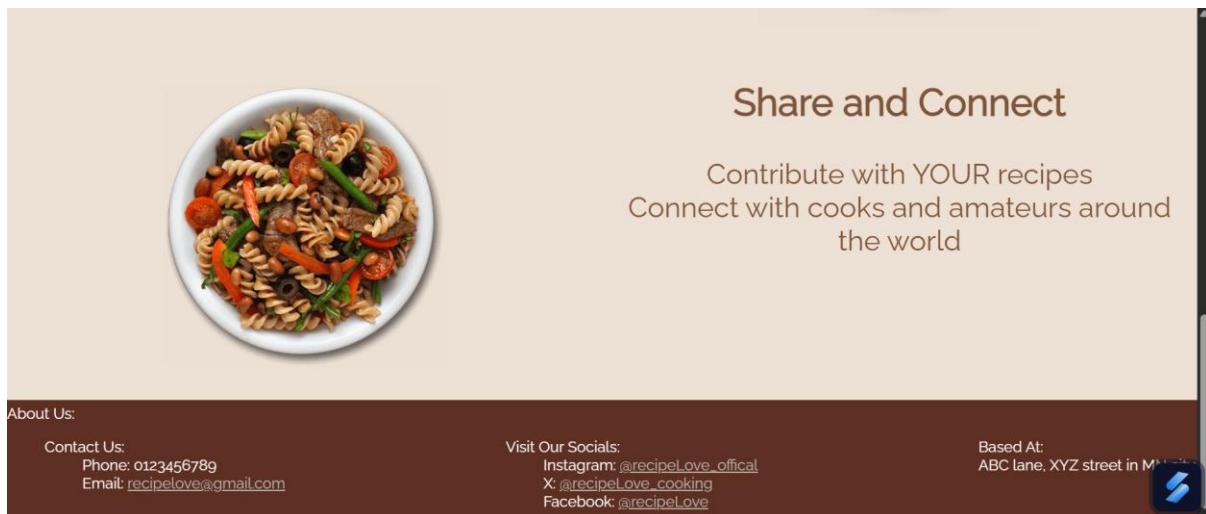
<footer>
  About Us:
  <ul class="list">
    <li class="contact-us">Contact Us:
      <ul class="contact">
        <li>Phone: 0123456789</li>
        <li>Email: <u>recipelove@gmail.com</u></li>
      </ul>
    </li>
    <li class="our-socials">Visit Our Socials:
      <ul class="socials">
        <li>Instagram: <a href="https://www.instagram.com">@recipeLove_offical</a></li>
        <li>X: <a href="https://www.x.com">@recipeLove_cooking</a></li>
      </ul>
    </li>
  </ul>
</footer>
```

```

<li>Facebook: <a
href="https://www.facebook.com">@recipeLove</a></li>
</ul>
</li>
<li class="based-at">Based At:<br>ABC lane, XYZ street in MN city. </li>
</ul>
</footer>
</body>
</html>

```





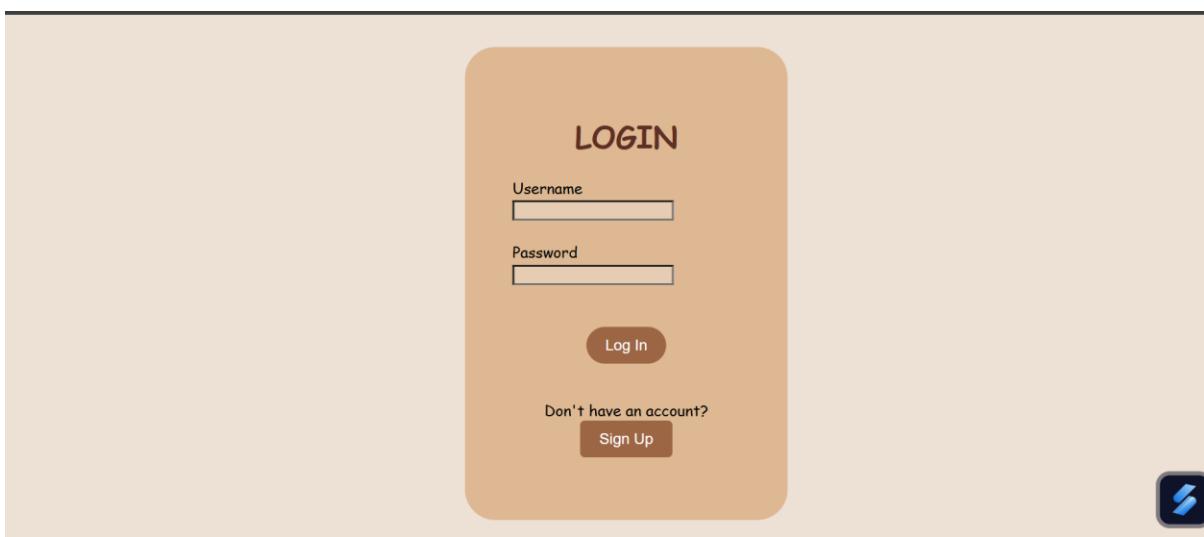
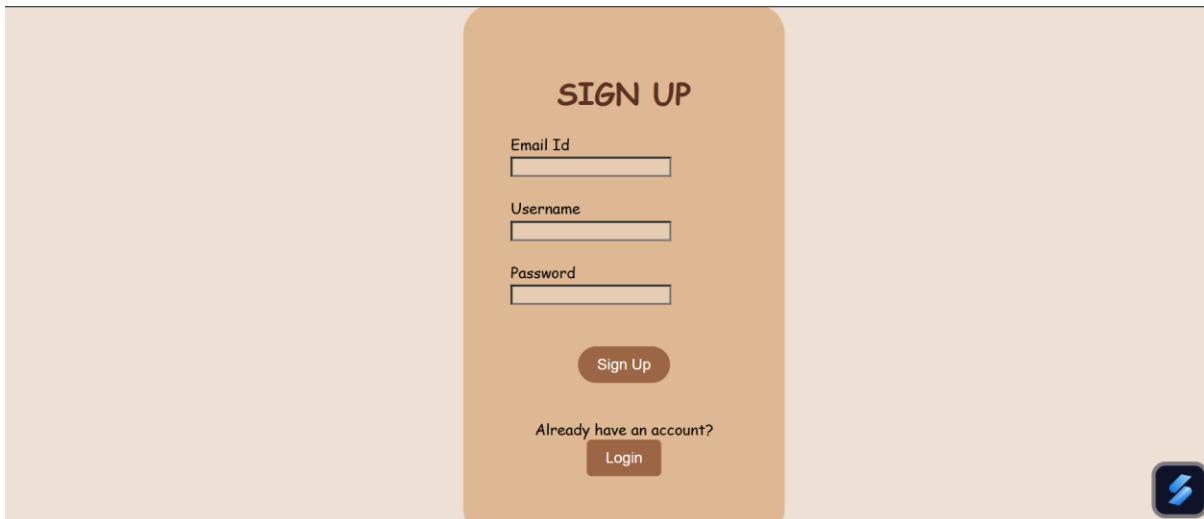
## SIGNUP PAGE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Signup Page
    </title>
    <link rel="stylesheet" href="loginsignup.css">
    <link rel="icon" href="logo.png" type="image/png" style="border-radius: 5px;">
  </head>
  <body>
    <div class="main">
      <h1 class="heading">
        SIGN UP
      </h1>
      <form class="form" method="GET">
        <label for="email">
          Email Id
        </label>
        <br>
```

```
<input type="email" id="email">
<br><br>
<label for="username">
    Username
</label>

<input type="text" id="username">
<br><br>
<label for="password">
    Password
</label>

<input type="password" id="password">
<br><br><br>
<div class="button">
    <a href="user.html" target="_blank">Sign Up</a>
</div>
<br>
<p class="new">
    Already have an account?
    <a href="login.html">Login</a>
</p>
</form>
</div>
</body>
</html>
```



## USER PAGE:

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      RecipeLove
    </title>
    <link rel="stylesheet" href="user.css">
    <link href="https://fonts.googleapis.com/css2?family=Raleway&display=swap" rel="stylesheet">
    <link rel="icon" href="logo.png" type="image/png" style="border-radius: 5px;">
```

```
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link
  href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
  rel="stylesheet">

</head>

<body>
  <header>
    <div class="logo">
      <figure>
        
        <figcaption>RecipeLove</figcaption>
      </figure>
    </div>
    <h1 class="tagline">ANYONE CAN COOK!</h1>
    <div class="search-container">
      <input type="text" id="searchInput" placeholder="Search here..." class="search-input">
      <button id="searchButton" class="search-button">Search</button>
    </div>
    <div class="user-info">
      
      <span class="user-name">Hi, Pooja 🙌 </span>
    </div>
  </header>

  <div class="navbar">
    <div class="navoption">
      Meals
    </div>
  </div>
</body>
```

```
<div class="navoptionbox">
  <ul>
    <li><a href="#">Breakfast</a></li>
    <li><a href="#">Snacks</a></li>
    <li><a href="#">Lunch</a></li>
    <li><a href="#">Brunch</a></li>
    <li><a href="#">Dinner</a></li>
    <li><a href="#">Desserts</a></li>
    <li><a href="#">Drinks</a></li>
  </ul>
</div>

</div>

<div class="navoption">
  Type
  <div class="navoptionbox">
    <ul>
      <li><a href="#">Veg</a></li>
      <li><a href="#">Non-Veg</a></li>
      <li><a href="#">Fast</a></li>
      <li><a href="#">Eggs</a></li>
      <li><a href="#">Fruits</a></li>
    </ul>
  </div>
</div>
```

```
<div class="navoption">
  Cuisines
  <div class="navoptionbox">
    <ul>
```

```
<li><a href="#">Indian</a></li>
<li><a href="#">Mexican</a></li>
<li><a href="#">Italian</a></li>
<li><a href="#">French</a></li>
<li><a href="#">Chinese</a></li>
<li><a href="#">Thai</a></li>
</ul>
</div>
</div>
```

```
<div class="navoption">
    Kitchen Tips
    <div class="navoptionbox">
        <ul>
            <li>Cooking Tips</li>
            <li>Cleaning Tips</li>
            <li>Storage Tips</li>
        </ul>
    </div>
</div>
</div>
```

```
<div class="user-features">
    <div class="feature-card">
        <h2>Your Recipes</h2>
        <p>Access and manage recipes you've added.</p>
        <a href="your-recipes.html">View</a>
    </div>
```

```
<div class="feature-card">
```

```
<h2>Saved Recipes</h2>
<p>View recipes you've bookmarked for later.</p>
<a href="saved-recipes.html">View</a>
</div>
```

```
<div class="feature-card">
<h2>Upload Recipe</h2>
<p>Share your own amazing recipes with the community.</p>
<a href="upload.html">Upload</a>
</div>
```

```
<div class="feature-card">
<h2>Meal Planner</h2>
<p>Create weekly meal plans and stay organized.</p>
<a href="meal-planner.html">Plan Now</a>
</div>
```

```
<div class="feature-card">
<h2>Shopping List</h2>
<p>Generate a grocery list from your saved recipes.</p>
<a href="shopping-list.html">View List</a>
</div>
```

```
<div class="feature-card">
<h2>Cooking Challenges</h2>
<p>Participate in weekly themes and win badges!</p>
<a href="challenges.html">Join Now</a>
</div>
```

```
<div class="feature-card">
```

```
<h2>Collections</h2>
<p>Group your recipes into custom collections.</p>
<a href="main.html" target="_blank">Explore</a>
</div>
</div>

<div class="grocery-section">
    <button class="grocery-toggle" onclick="toggleGrocery()">🛒 Grocery List</button>
    <div id="groceryList" class="grocery-list">
        <ul>
            <li>Tomatoes 🍅 </li>
            <li>Olive Oil 🥬 </li>
            <li>Garlic 🧄 </li>
            <li>Spaghetti 🍝 </li>
            <li>Cheese 🧀 </li>
        </ul>
    </div>
</div>

<script>
    function toggleGrocery() {
        const list = document.getElementById('groceryList');
        list.style.display = list.style.display === 'block' ? 'none' : 'block';
    }
</script>

<script src="main.js"></script>
</body>
</html>
```

The image shows three screenshots of the RecipeLove mobile application interface.

**Top Screenshot:** The main dashboard featuring a header with the logo "ANYONE CAN COOK!" and a search bar. Below the header is a navigation bar with tabs: Meals, Type, Cuisines, and Kitchen Tips. The "Meals" tab is selected, displaying a grid of cards:

- Your Recipes**: Access and manage recipes you've added. (View button)
- Saved Recipes**: View recipes you've bookmarked for later. (View button)
- Upload Recipe**: Share your own amazing recipes with the community. (Upload button)
- Meal Planner**: Create weekly meal plans and stay organized. (Plan Now button)
- Shopping List**: Generate a grocery list from your saved recipes. (View List button)
- Cooking Challenges**: Participate in weekly themes and win badges! (Join Now button)

**Middle Screenshot:** A detailed view of the Meal Planner feature. It shows a grid of cards over a background image of various grilled vegetables and dips:

- Meal Planner**: Create weekly meal plans and stay organized. (Plan Now button)
- Shopping List**: Generate a grocery list from your saved recipes. (View List button)
- Cooking Challenges**: Participate in weekly themes and win badges! (Join Now button)
- Collections**: Group your recipes into custom collections. (Explore button)

**Bottom Screenshot:** A detailed view of the Shopping List feature. It shows a grid of cards over a background image of various grilled vegetables and dips:

- Grocery List**: A button to access the shopping list.
- Collections**: Group your recipes into custom collections. (Explore button)

The shopping list itself contains the following items:

- Tomatoes 🍅
- Olive Oil 🌿
- Garlic 🧄
- Spaghetti 🍝
- Cheese 🧀

## **MAIN PAGE:**

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      RecipeLove
    </title>
    <link rel="stylesheet" href="main.css">
    <link href="https://fonts.googleapis.com/css2?family=Raleway&display=swap" rel="stylesheet">
    <link rel="icon" href="logo.png" type="image/png" style="border-radius: 5px;">

    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap" rel="stylesheet">

  </head>

  <body>
    <header>
      <div class="logo">
        <figure>
          
          <figcaption>RecipeLove</figcaption>
        </figure>
      </div>
      <h1 class="tagline">
        ANYONE CAN COOK!
      </h1>
```

```
<div class="search-container">
    <input type="text" id="searchInput" placeholder="Search here..." class="search-input">
    <button id="searchButton" class="search-button">Search</button>
</div>

<form class="search">
    <a class="button" target="_blank" href="main.html">Get Started</a>
    <a class="button" target="_blank" href="login.html">Log In</a>
    <a class="button" target="_blank" href="signup.html">Sign Up</a>
</form>

</header>

<div class="navbar">
    <div class="navoption">
        Meals
        <div class="navoptionbox">
            <ul>
                <li><a href="#">Breakfast</a></li>
                <li><a href="#">Snacks</a></li>
                <li><a href="#">Lunch</a></li>
                <li><a href="#">Brunch</a></li>
                <li><a href="#">Dinner</a></li>
                <li><a href="#">Desserts</a></li>
                <li><a href="#">Drinks</a></li>
            </ul>
        </div>
    </div>
</div>

<div class="navoption">
    Type
    <div class="navoptionbox">
```

```
<ul>
    <li><a href="#">Veg</a></li>
    <li><a href="#">Non-Veg</a></li>
    <li><a href="#">Fast</a></li>
    <li><a href="#">Eggs</a></li>
    <li><a href="#">Fruits</a></li>
</ul>
</div>
</div>
```

```
<div class="navoption">
    Cuisines
    <div class="navoptionbox">
        <ul>
            <li><a href="#">Indian</a></li>
            <li><a href="#">Mexican</a></li>
            <li><a href="#">Italian</a></li>
            <li><a href="#">French</a></li>
            <li><a href="#">Chinese</a></li>
            <li><a href="#">Thai</a></li>
        </ul>
    </div>
</div>
```

```
<div class="navoption">
    Kitchen Tips
    <div class="navoptionbox">
        <ul>
            <li>  Cooking Tips</li>
            <li>  Cleaning Tips</li>
        </ul>
    </div>
</div>
```

```
<li>  Storage Tips</li>
</ul>
</div>
</div>
</div>

<div class="main">
<div class="recipe">
<h3><a href="basundi.html" target="_blank">
    Basundi
</a></h3>
</div>
<div class="recipe">
<h3><a href="butterchiken.html" target="_blank">
    Butter Chicken
</a></h3>
</div>
<div class="recipe">
<h3><a href="chinesenoodles.html" target="_blank">
    Chinese Noodles
</a></h3>
</div>
</div>
<div class="main">
<div class="recipe">
<h3><a href="croissant.html" target="_blank">
    Croissant
</a></h3>
</div>
<div class="recipe">
```

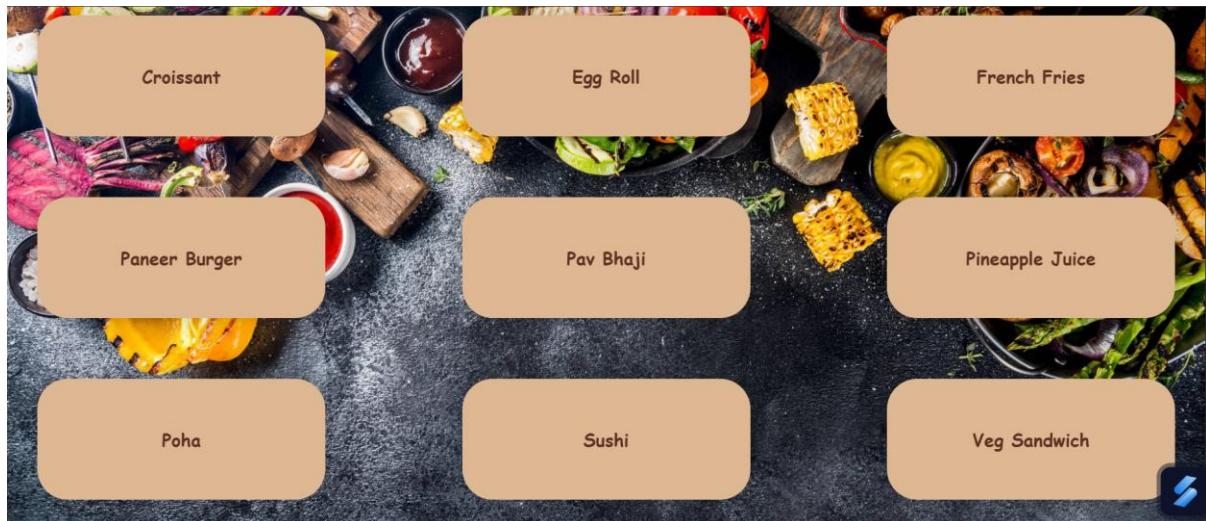
```
<h3><a href="eggroll.html" target="_blank">  
    Egg Roll  
</a></h3>  
</div>  
<div class="recipe">  
    <h3><a href="frenchfries.html" target="_blank">  
        French Fries  
</a></h3>  
</div>  
</div>  
<div class="main">  
    <div class="recipe">  
        <h3><a href="paneerburger.html" target="_blank">  
            Paneer Burger  
</a></h3>  
</div>  
    <div class="recipe">  
        <h3><a href="pavbhaji.html" target="_blank">  
            Pav Bhaji  
</a></h3>  
</div>  
    <div class="recipe">  
        <h3><a href="pineapplejuice.html" target="_blank">  
            Pineapple Juice  
</a></h3>  
</div>  
</div>  
<div class="main">  
    <div class="recipe">  
        <h3><a href="poha.html" target="_blank">
```

```

Poha
</a></h3>
</div>
<div class="recipe">
<h3><a href="sushi.html" target="_blank">
    Sushi
</a></h3>
</div>
<div class="recipe">
<h3><a href="vegsandwich.html" target="_blank">
    Veg Sandwich
</a></h3>
</div>
</div>
<script src="main.js"></script>
</body>
</html>

```





ANYONE CAN COOK!

noodles  Get Started Log In Sign Up

Meals Type Cuisines Kitchen Tips

Chinese Noodles

## RECIPE PAGE:

```
<!DOCTYPE html>
<head>
  <title>
    Recipe: Basundi
  </title>
  <link rel="stylesheet" href="recipe.css">
  <link href="https://fonts.googleapis.com/css2?family=Raleway&display=swap" rel="stylesheet">
  <link rel="icon" href="logo.png" type="image/png" style="border-radius: 5px;">
  <link rel="preconnect" href="https://fonts.googleapis.com">
```

```
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Emily+Clothelove&display=swap" rel="stylesheet">

</head>

<body>
  <header>
    <div class="logo">
      <figure>
        
        <figcaption>RecipeLove</figcaption>
      </figure>
    </div>
    <h1 class="tagline">
      ANYONE CAN COOK!
    </h1>
    <div class="search-container">
      <input type="text" placeholder="Search here..." class="search-input">
      <button class="search-button">Search</button>
    </div>
    <form class="search">
      <a class="button" target="_blank" href="main.html">Get Started</a>
      <a class="button" target="_blank" href="login.html">Log In</a>
      <a class="button" target="_blank" href="signup.html">Sign Up</a>
    </form>
  </header>

  <div class="navbar">
    <div class="navoption">
```

## Meals

```
<div class="navoptionbox">
  <ul>
    <li><a href="#">Breakfast</a></li>
    <li><a href="#">Snacks</a></li>
    <li><a href="#">Lunch</a></li>
    <li><a href="#">Brunch</a></li>
    <li><a href="#">Dinner</a></li>
    <li><a href="#">Desserts</a></li>
    <li><a href="#">Drinks</a></li>
  </ul>
</div>
</div>
```

```
<div class="navoption">
```

## Type

```
<div class="navoptionbox">
  <ul>
    <li><a href="#">Veg</a></li>
    <li><a href="#">Non-Veg</a></li>
    <li><a href="#">Fast</a></li>
    <li><a href="#">Eggs</a></li>
    <li><a href="#">Fruits</a></li>
  </ul>
</div>
</div>
```

```
<div class="navoption">
```

## Cuisines

```
<div class="navoptionbox">
```

```
<ul>
    <li><a href="#">Indian</a></li>
    <li><a href="#">Mexican</a></li>
    <li><a href="#">Italian</a></li>
    <li><a href="#">French</a></li>
    <li><a href="#">Chinese</a></li>
    <li><a href="#">Thai</a></li>
</ul>
</div>
</div>

<div class="navoption">
    Kitchen Tips
    <div class="navoptionbox">
        <ul>
            <li> ↪ Cooking Tips</li>
            <li> ↪ Cleaning Tips</li>
            <li> ↪ Storage Tips</li>
        </ul>
    </div>
</div>
</div>
```

```
<div class="recipe-page">
    <h1>
        Recipe: Basundi
    </h1>
    
```

```
<div class="recipe-meta">  
    <p><strong>Prep time:</strong> 5 min</p>  
    <p><strong>Cook time:</strong> 60 min</p>  
    <p><strong>Servings:</strong> 4</p>  
</div>
```

## <h2>Ingredients</h2>

- <ul>
- <li>1 liter full-fat milk</li>
- <li>1/4 cup sugar (adjust to taste)</li>
- <li>4 to 5 green cardamom pods (crushed or powdered)</li>
- <li>8 to 10 almonds (sliced or chopped)</li>
- <li>8 to 10 pistachios (sliced or chopped)</li>
- <li>A few saffron strands (optional)</li>
- <li>1 tbsp chopped cashews (optional)</li>
- <li>1 tbsp raisins (optional)</li>
- </ul>

## <h2>Instructions</h2>

- <ol>
- <li>Pour the milk into a heavy-bottomed pan. Bring it to a boil on medium heat.</li>
- <li>Lower the heat and let the milk simmer. Stir every 2 to 3 minutes and scrape the sides of the pan — add the cream back into the milk. This step takes around 30 to 40 minutes until the milk reduces to about half.</li>
- <li>Stir in the sugar and crushed cardamom. Mix well until the sugar dissolves.</li>
- <li>Add almonds, pistachios, and saffron (if using). Let it simmer for another 5 to 10 minutes.</li>
- <li>Let basundi cool down. You can serve it warm or chilled — both ways are delicious!</li>
- </ol>

```

<div class="back">
    <a href="main.html">← Back to Recipes</a>
    <div class="recipe-actions">
        <button class="action-btn">📌 Save</button>
        <button class="action-btn" onclick="navigator.share ? navigator.share({ title: document.title, url: window.location.href } : alert('Sharing not supported')) : alert('Sharing not supported')">👉 Share</button>
    </div>
</div>
</div>
</body>
</html>

```

The screenshot shows a recipe card for "Recipe: Basundi" on the RecipeLove website. The card features a main image of a bowl of Basundi garnished with pistachios and saffron strands. Below the image, there's a summary box containing the following information:

- Prep time: 5 min**
- Cook time: 60 min**
- Servings: 4**

Below the summary box, the word "Ingredients" is centered, followed by a bulleted list of ingredients:

- 1 liter full-fat milk
- 1/4 cup sugar (adjust to taste)
- 4 to 5 green cardamom pods (crushed or powdered)
- 8 to 10 almonds (sliced or chopped)
- 8 to 10 pistachios (sliced or chopped)
- A few saffron strands (optional)

The background of the card has a semi-transparent dark overlay, and the surrounding area shows other recipe cards and navigation elements.

**Basundi**

**Ingredients**

- 1 liter full-fat milk
- 1/4 cup sugar (adjust to taste)
- 4 to 5 green cardamom pods (crushed or powdered)
- 8 to 10 almonds (sliced or chopped)
- 8 to 10 pistachios (sliced or chopped)
- A few saffron strands (optional)
- 1 tbsp chopped cashews (optional)
- 1 tbsp raisins (optional)

**Instructions**

1. Pour the milk into a heavy-bottomed pan. Bring it to a boil on medium heat.
2. Lower the heat and let the milk simmer. Stir every 2 to 3 minutes and scrape the sides of the pan — add the cream back into the milk. This step takes around 30 to 40 minutes until the milk reduces to about half.
3. Stir in the sugar and crushed cardamom. Mix well until the sugar dissolves.
4. Add almonds, pistachios, and saffron (if using). Let it simmer for another 5 to 10 minutes.
5. Let basundi cool down. You can serve it warm or chilled — both ways are delicious!

[← Back to Recipes](#)

[Save](#)  [Share](#)

## FUNCTIONALITIES:

*RecipeLove – The Digital Recipe Book* is a modern, user-friendly website created to inspire a seamless and enjoyable culinary experience. It serves as a comprehensive platform for discovering, organizing, and preparing a wide variety of recipes suited for diverse tastes, dietary needs, and cooking skill levels.

At its core, *RecipeLove* features a rich and categorized recipe collection. Users can search for recipes by ingredient, meal type, or keyword, enabling them to discover new dishes or make use of ingredients already available in their kitchens. The site organizes recipes into intuitive categories such as breakfast, lunch, dinner, snacks, desserts, and dietary filters like vegan, gluten-free, and low-carb, making it easy for users to find exactly what they need.

Each recipe is clearly presented with detailed, step-by-step instructions, preparation and cooking times, serving size, and nutritional information. This format caters to both beginners and experienced cooks, guiding them through the cooking process while also allowing room for creativity and culinary exploration.

To enhance usability, ingredients are listed in a sequence that reflects their usage in the cooking process, helping users streamline their grocery shopping and preparation. Additionally, vibrant images accompany most recipes, giving users a visual idea of the final dish.

*RecipeLove* is fully mobile-optimized, ensuring smooth and responsive performance on smartphones, tablets, and desktops. Whether browsing in a grocery store or following a recipe in the kitchen, users can access everything with ease and flexibility.

The site features a dedicated User page, which lays the groundwork for future personalization features. While login and profile management are not yet fully implemented, this section hints at upcoming possibilities such as saved recipes, cooking history, or personalized recommendations.

Each recipe card now includes Save and Share buttons to enhance user interaction. While these buttons are currently non-functional placeholders, they visually demonstrate planned features for future development. The Save button will eventually allow users to bookmark their favourite recipes, either through user accounts or local storage (for non-logged-in users). The Share button is intended to enable recipe sharing via social media, email, or copyable links. These components are part of the site's long-term roadmap, which aims to make *RecipeLove* more interactive and personalized.

*RecipeLove* maintains a clean and intuitive interface, focusing on simplicity and accessibility. The uncluttered layout and easy navigation ensure users can explore the site effortlessly and enjoy an uninterrupted cooking experience.

## **FEATURES:**

*RecipeLove* offers several key features designed to enhance usability and improve the cooking experience for users:

- **Recipe Search & Filter:**  
Users can quickly find recipes by typing keywords or applying filters by categories such as breakfast, dinner, vegetarian, or dessert. Future enhancements will include filters for nutritional content and dietary preferences.
- **Recipe Listing Page:**  
Recipes are displayed in a clean grid layout with thumbnails, titles, and brief descriptions, allowing users to browse recipes quickly and efficiently.
- **Recipe Details Page:**  
Each recipe includes a detailed view showing ingredients, step-by-step instructions, cook time, serving size, and a high-quality image of the final dish. Users can also view reviews and ratings shared by the community.

- **Save Recipes:**  
Users can save their favourite recipes with a single click and access them anytime from their user page. Saved recipes can be organized into collections like “Weeknight Meals” or “Holiday Baking.”
- **Share Recipes:**  
Recipes can be easily shared via social media, email, or direct link. This makes it simple to send a recipe to a friend or share your favourite dish with a broader audience.
- **Personalized User Page:**  
Each user has a personal dashboard where they can manage saved recipes, set dietary preferences, and track their meal planning. Personalized recipe suggestions are generated based on saved content and user behaviour.
- **Responsive Design:**  
The platform works seamlessly across desktop, tablet, and mobile devices, making it easy to follow recipes whether you're cooking at home or shopping for ingredients on the go.
- **Clean User Interface:**  
A modern, clutter-free interface ensures that users can focus on what matters most—the recipes. Navigation is straightforward, and visuals are clean and accessible.

## FUTURE POSSIBILITIES:

Although *RecipeLove* serves its primary purpose of providing users with an easy way to access and organize recipes, several enhancements can be made to elevate user experience, functionality, and engagement:

### 1. Advanced Recipe Search & Filters

- **Nutritional Information:** Include detailed nutritional data (calories, macros, allergens) on recipe pages and allow users to filter search results based on dietary goals.
- **Dietary Preferences:** Offer personalized filters for vegan, gluten-free, keto, paleo, etc. Users can set preferences in their user page, which will persist across sessions.
- **Ingredient-Based Search:** Enable users to input available ingredients on their user page or during search to receive smart recipe suggestions, helping reduce waste.

## 2. User Accounts & Personalization

- **User Page:** Introduce a customizable user dashboard where users can view saved recipes, recent activity, dietary settings, and personalized recommendations.
- **Recipe Saving & Collections:** Allow users to save recipes and organize them into themed collections directly from the recipe page. These collections can be managed from their user page.
- **Personalized Recommendations:** Use user data (saved recipes, dietary settings) to provide AI-driven suggestions on the dashboard or home feed.
- **Meal Planning:** Integrate a drag-and-drop meal planner in the user page. Based on selected meals, auto-generate grocery lists and optionally enable one-click share or print features.

## 3. Social Integration & Community Features

- **Recipe Sharing & Reviews:** Enable users to share saved recipes or collections via social media, email, or direct links. Users can leave reviews and star ratings on recipe pages, visible in their profile history.
- **Community Challenges:** Introduce cooking challenges where users can participate, upload photos, and track progress via their user page.
- **Chef & Influencer Collaborations:** Highlight featured recipes from chefs on the homepage and allow users to follow favourite contributors for updates in their feed.

## 4. Multilingual Support

- **Localized User Pages:** Allow users to set language preferences in their profile so the entire interface (including their saved recipes and search results) is automatically translated.
- **Crowdsourced Translations:** Community contributions could help refine translations of recipes or cooking terms, improving global accessibility.

## 5. Video Tutorials & Cooking Guides

- **Video Integration:** Add short, step-by-step tutorial videos alongside each recipe. Saved videos can be accessed from a "Videos" section on the user page.

- **Interactive Cooking Mode:** A full-screen cook mode with timers, voice prompts, and tips. Users can bookmark steps or save their cooking session history for future reference.

## 6. Integration with Grocery Stores or Delivery Services

- **Buy Ingredients:** On each recipe page and from meal planners, users can add ingredients to a cart linked to partnered grocery delivery services.
- **Shopping List Builder:** Auto-generate shopping lists from saved recipes or weekly meal plans and share them with family or roommates via text/email.

## 7. Mobile App Development

- **On-the-Go Access:** A mobile app with offline access to saved recipes, meal plans, and personalized feed from the user page.
- **Voice Assistant Integration:** Enable voice-guided cooking with Alexa or Google Assistant. Users can ask to “Read my saved recipe for lasagna” or “What’s on my meal plan today?”

## 8. AI and Machine Learning Features

- **Smart Recipe Generator:** On the user page, include a tool where users input dietary goals or available ingredients to get dynamically generated recipes.
- **Adaptive Cook Mode:** Use AI to adjust recipe instructions in real time. If the user is delayed, the system could adapt cook times or suggest prep shortcuts.
- **Engagement Insights:** AI could offer personalized cooking challenges or track progress in cooking skills over time on the user dashboard.

## **CONCLUSION:**

In conclusion, *RecipeLove* represents a modern solution to the challenges faced by individuals in managing and organizing cooking recipes. The platform effectively addresses the shortcomings of traditional recipe collection methods by providing a centralized, user-friendly digital space for discovering, storing, and sharing recipes. The clean and responsive design ensures that the website is accessible on various devices, making it a convenient tool for both novice and experienced cooks.

By offering features such as recipe search, detailed recipe views, and responsive design, *RecipeLove* enhances the overall cooking experience. It empowers users to explore new dishes, streamline their meal planning, and reduce the time spent searching for recipes. As the platform evolves, future enhancements such as personalized recommendations, social features, and integration with grocery services will further elevate its usefulness, making *RecipeLove* an essential resource for anyone passionate about cooking.

Through the development of *RecipeLove*, we've demonstrated how web technologies can be leveraged to create an intuitive and efficient tool that simplifies cooking and meal planning. The project has not only fulfilled its purpose but has also laid the groundwork for future improvements, ensuring its relevance and value for years to come.

## **TECHNOLOGIES USED:**

- **HTML5:** For structuring the web pages, ensuring a semantic and accessible layout.
- **CSS3:** For styling the website, including responsive design elements to ensure usability across different screen sizes.
- **JavaScript:** For adding interactivity, such as search filters, recipe sorting, and dynamic content loading.
- **Bootstrap:** Utilized to create a responsive, grid-based layout for easy browsing of recipes.

## **REFERENCES:**

The following resources were consulted and utilized during the planning, development, and refinement of the *RecipeLove* website:

- **MDN Web Docs (HTML, CSS, JavaScript):**  
Provided in-depth technical documentation on HTML5, CSS3, and JavaScript functionalities, which supported the structural and interactive aspects of the project.  
Link: <https://developer.mozilla.org/>
- **W3Schools:**  
Served as a quick and accessible reference for understanding basic and advanced web development concepts, including syntax examples and layout design.  
Link: <https://www.w3schools.com/>
- **Bootstrap Documentation:**  
Used for implementing responsive design and styling elements such as

navigation bars, cards, buttons, and grid layouts.

Link: <https://getbootstrap.com/docs/5.3/getting-started/introduction/>

- **Google Fonts – Raleway, Emily's Candy:**

Fonts were selected to enhance visual consistency and give the site a modern, approachable aesthetic.

Link: <https://fonts.google.com/>

- **Font Awesome:**

Icon library used to integrate visual elements such as buttons, navigation icons, and user interface enhancements.

Link: <https://fontawesome.com/>

- **Stack Overflow:**

Assisted in troubleshooting coding issues, optimizing JavaScript logic, and implementing responsive design best practices.

Link: <https://stackoverflow.com/>

- **GitHub:**

Used for version control and collaborative development, ensuring structured progress and safe backup of project files.

Link: <https://github.com/>