RECIPE SHARING BLOG

A MINI-PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this project report **"RECIPE SHARING BLOG"** is the bonafide work of **"SAROSHMI B (211701047), VARSHINI KARTHIKEYAN (211701058)"** who carried out the project work for the subject CD19643 – Web Essentials under my supervision

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This mini project report is submitted for the viva voce examination to be held on _____

INTERNAL EXAMINER **EXTERNAL EXAMINER**

ABSTRACT

The recipe sharing website project aims to create a user-friendly platform where culinary enthusiasts can connect, share, and explore a diverse range of recipes. The website facilitates user engagement through key features such as user authentication, recipe management, bookmarking, and social interaction.

Firstly, the website provides a secure and seamless login system, allowing users to create accounts and access personalized features. Through a straightforward registration process, users can establish their unique profiles, enabling them to contribute to the community and curate their recipe collections.

Once logged in, users can effortlessly add, view, and manage their recipes. The intuitive recipe management interface empowers users to upload detailed recipe instructions, ingredient lists, and captivating images, fostering an immersive culinary experience. Users can also browse through a vast repository of recipes shared by other members, exploring a wealth of culinary inspirations.

Moreover, the website offers a bookmarking feature, enabling users to save their favorite recipes for easy access. This functionality enhances user engagement by facilitating personalized recipe curation, allowing users to revisit and experiment with their preferred dishes at their convenience.

Additionally, users have the flexibility to delete or update their shared recipes, ensuring complete control over their culinary creations. Whether refining existing recipes or removing outdated content, users can actively manage their recipe portfolios to maintain relevance and quality within the community.

In conclusion, the recipe sharing website provides a dynamic platform for culinary enthusiasts to connect, explore, and celebrate their passion for cooking. By offering robust features for recipe sharing, management, and interaction, the website fosters a vibrant community of food lovers, promoting creativity, collaboration, and culinary discovery.

ACKNOWLEDGEMENT

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

In an age where sharing experiences is increasingly digitalized, our recipe sharing website emerges as a vibrant hub for culinary enthusiasts. It offers a seamless platform where individuals can connect, share, and discover a diverse array of recipes. Through intuitive features like user authentication, recipe management, and social interaction, users can easily upload, view, and bookmark recipes, fostering a sense of community and collaboration. This project embodies a culinary revolution, uniting food lovers worldwide in a shared passion for cooking and culinary exploration.

1.2 SCOPE OF THE WORK

The scope of the project entails the development of a user-centric recipe sharing website, encompassing user authentication, recipe management, social interaction features, and intuitive user experience design. This involves creating a secure authentication system for user accounts, enabling functionalities for adding, viewing, updating, and deleting recipes, implementing features for social interaction such as liking, bookmarking, and sharing recipes, and ensuring a seamless and responsive user interface across different devices.

1.3 PROBLEM STATEMENT

The problem statement for the project revolves around the absence of a centralized and user-friendly platform for culinary enthusiasts to share, explore, and manage their recipes. Existing recipe-sharing platforms lack essential features such as robust user authentication, intuitive recipe management, and seamless social interaction. Users face challenges in securely accessing their accounts, discovering new recipes, and organizing their culinary inspirations effectively. Furthermore, the lack of personalized features like recipe bookmarking and efficient recipe editing contributes to a disjointed and frustrating user experience. This project seeks to address these shortcomings by

developing a comprehensive recipe sharing website that prioritizes user security, engagement, and ease of use. Through innovative functionalities and a user-centric design approach, the project aims to revolutionize the way individuals connect, discover, and share their culinary creations in the digital age.

1.4 AIM AND OBJECTIVES OF THE PROJECT

The aim of this project is to develop a comprehensive recipe sharing website that serves as a central hub for culinary enthusiasts to connect, share, and discover a wide range of recipes. With the proliferation of digital platforms, there is a growing need for a dedicated space where individuals can exchange culinary knowledge, showcase their culinary creations, and find inspiration for their next meal. This project seeks to address this need by creating a user-friendly and feature-rich platform that caters to the diverse interests and preferences of its users.

The primary objective of the project is to implement robust user authentication mechanisms to ensure the security and integrity of user accounts and data. By incorporating encryption protocols and secure login procedures, the website will safeguard user information and provide a safe environment for users to interact and share their culinary experiences. Additionally, the project aims to develop intuitive recipe management functionalities, allowing users to easily add, edit, and delete recipes, as well as organize and categorize their recipe collections for convenient access.

Furthermore, the project aims to enhance user engagement and interaction through social features such as recipe sharing, liking, and commenting. By facilitating community interaction and collaboration, the website will foster a sense of camaraderie among users and create a vibrant ecosystem where culinary enthusiasts can connect, learn, and inspire each other. Overall, the aim and objectives of the project align with the overarching goal of creating a dynamic and inclusive platform that celebrates the joy of cooking and promotes culinary exploration and creativity.

CHAPTER 2

SYSTEM SPECIFICATIONS

2.1 HARDWARE SPECIFICATIONS

Processor	:	Intel i5
Memory Size	:	8GB (Minimum)
HDD	:	1 TB (Minimum)

2.2 SOFTWARE SPECIFICATIONS

Operating System	:	WINDOWS 10
Front – End	:	HTML, CSS
Database	:	MySQL
Server Side Script	:	PHP

CHAPTER 3

MODULE DESCRIPTION

This application consists of various modules depicting the CRUD operations. When the user logs in , they can view the recipes available. There are also provisions for adding their recipes and editing, deleting the and calculating bill amount and updating the same in database. The description of the modules are as follows:

1. **Login Module**

   Enables users to securely authenticate and access their accounts, ensuring data privacy and user authentication through email and password. Authentication is done with the

2. **View Recipes**

   Allows users to browse through a diverse range of recipes, providing a visually engaging interface for discovering ingredients and step by step instruction, with the author of the recipe,category,subcategory and description. This module fetches details from the recipes table of the database.

3. **Add recipe**

   When the user is logged in and goes to their profile page, they can add their own new recipe with video URL and image.

4. **Update recipe**

   With the help of this module, the user can edit the image, category, ingredients, instructions of the recipe they already shared.

5. **Delete recipe**

   If the user wants to delete their shared recipe, they can remove it. It deletes from the database when the user clicks delete button.

6. **Bookmark recipe**

   The user can bookmark their favorite recipe and can easily access them from the navbar. This module also allows them to delete a specific bookmark.

CHAPTER 4

SYSTEM DESIGN

4.1 ARCHITECTURE DIAGRAM

The architecture diagram, Fig 4.1 illustrates the system's components and their interactions, detailing the flow of data and processes within the recipe sharing website. It provides a visual representation of the website's infrastructure, including the client-side interface, server-side application logic, and database management system, facilitating an understanding of the system's architecture and scalability.

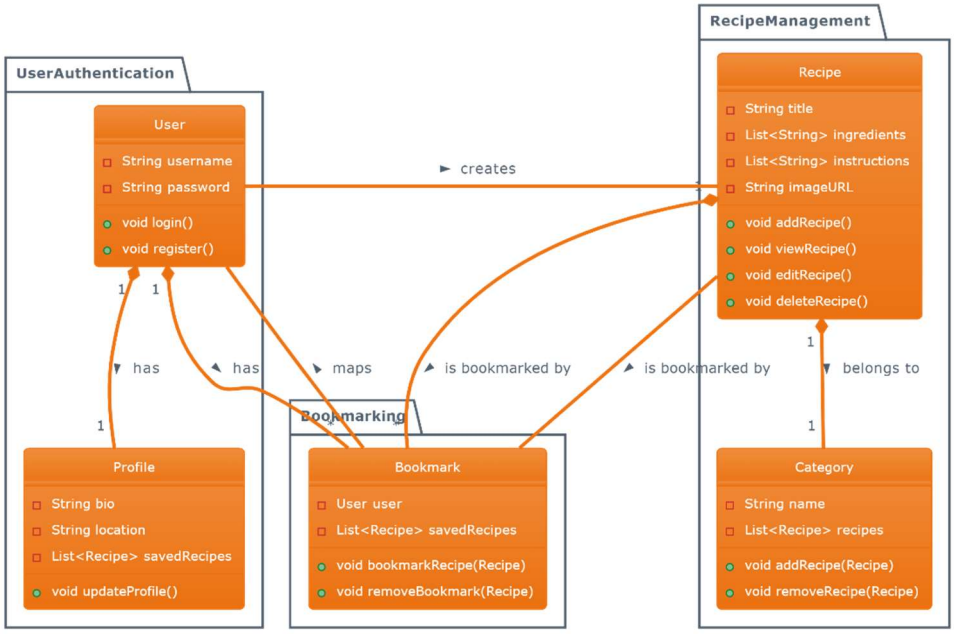

Fig 4.1

4.2 SYSTEM FLOW DIAGRAM

The system flow diagram, Fig 4.2 showcases the sequence of actions and data exchanges within the recipe sharing website. It begins with user authentication, where users securely log in to access their accounts. Upon login, users navigate through the website to view, add, update, or delete recipes. Users can bookmark their favorite recipes for easy access, ensuring personalized recipe curation. The system flow diagram encapsulates the website's functionality, illustrating the seamless flow of user interactions and data transactions throughout the platform.

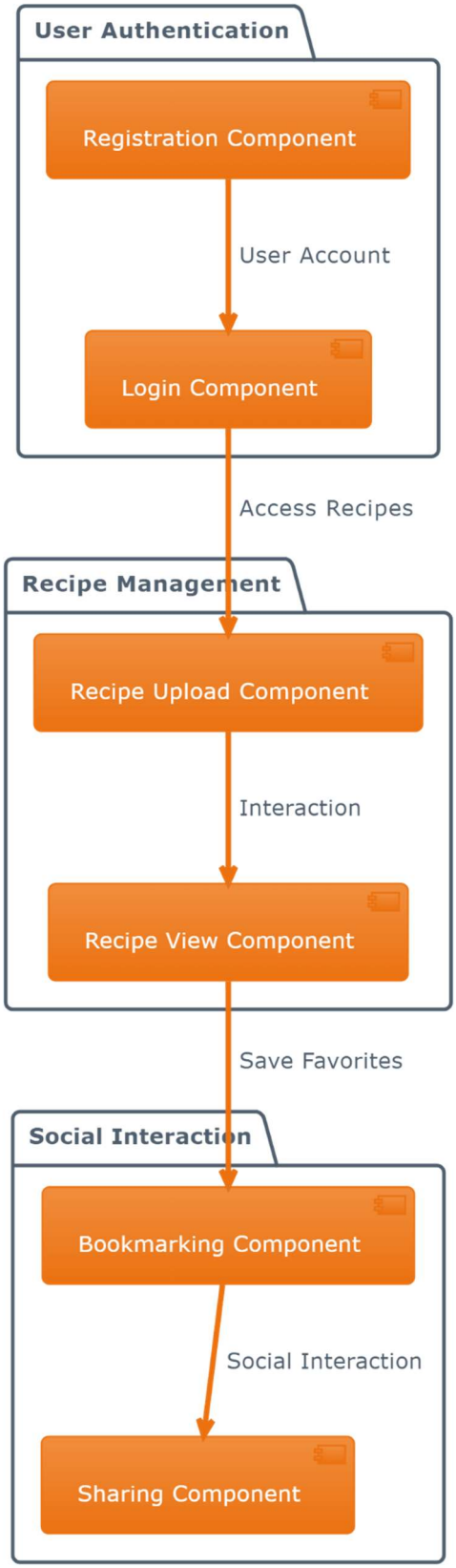
User Authentication
Registration Component
User Account
Login Component
Access Recipes
Recipe Management
Recipe Upload Component
Interaction
Recipe View Component
Save Favorites
Social Interaction
Bookmarking Component
Social Interaction
Sharing Component

Fig 4.2

4.3 SEQUENCE DIAGRAM

The sequence diagram illustrates the chronological order of interactions between users and the recipe sharing website's components, portraying a step-by-step depiction of user actions and system responses. Beginning with user authentication, the diagram showcases the flow of events as users navigate through the website, including viewing, adding, updating, or deleting recipes. It delineates the communication between the client-side interface, server-side application logic, and database management system, depicting the exchange of data and control flow between these components

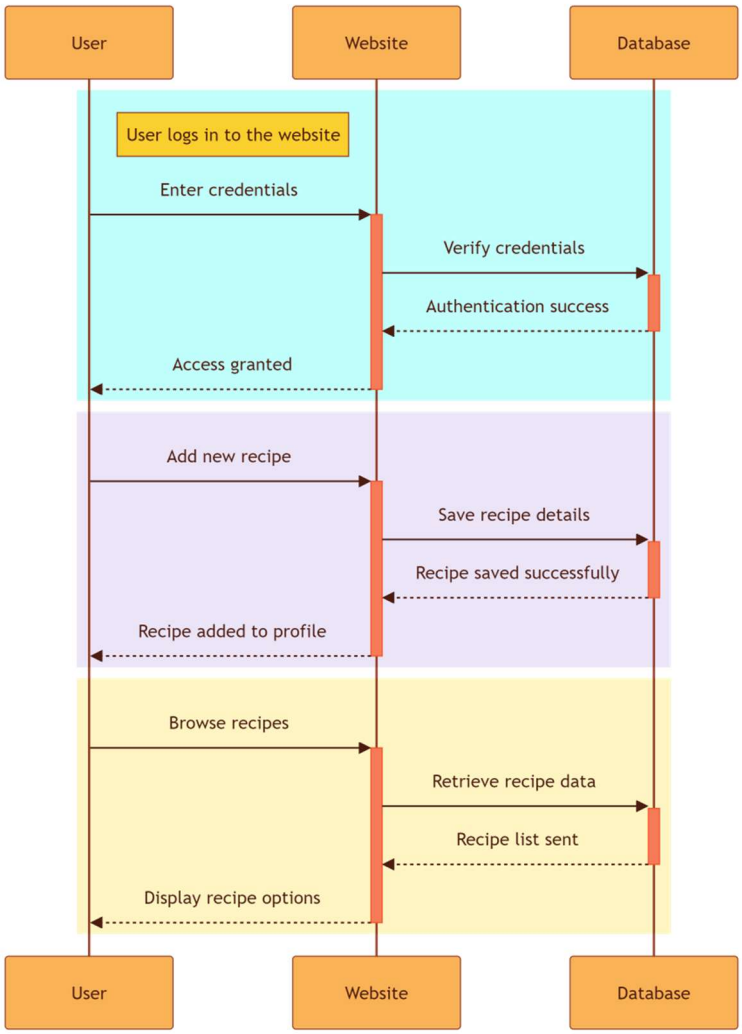

Fig 4.3

CHAPTER 5

SAMPLE CODING

//home.php

```
<?php
include 'config.php';
session_start();
$user_id = $_SESSION['userid'];
if(!isset($user_id)){
header('location:login.php');
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Home</title>

<!-- font awesome cdn link  -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.0.0/css/all.min.css">
<!-- custom css file link  -->
<link rel="stylesheet" href="style.css">
</head>
<body>
<?php include 'header.php'; ?>
<section class="home">
<div class="content1">
<h3>Authentic food Crafted to your taste.</h3>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Excepturi, quod? Reiciendis ut
porro iste totam.</p>
<a href="about.php" class="white-btn">Explore</a>
</div>
</section>
<section class="recipes">
<h1 class="title">Recipes</h1>
<div class="box-container">
<?php
$select_recipes = mysqli_query($conn, "SELECT * FROM `recipes` order by likes LIMIT
4") or die('query failed');
if(mysqli_num_rows($select_recipes) > 0){
while($fetch_recipes = mysqli_fetch_assoc($select_recipes)){
?>
```

```
<form action="" method="post" class="box">
<img src="images\<?php echo $fetch_recipes['image']; ?>" class="image" alt="image">
<div class="name"></a><?php echo $fetch_recipes['name']; ?></div>
<div class="description"><?php echo $fetch_recipes['description']; ?></div>
<a href="recipes.php" class="cook-btn">Cook</a>
</form>
<?php
}
}else{
echo '<p class="empty">Our chefs are cooking!</p>';
}
?>
</div>
<div class="load-more" style="margin-top: 2rem; text-align:center">
<a href="recipes.php" class="option-btn">Load more</a>
</div>
</section>
<script src="script.js"></script>
</body>
</html>
```

//profile.php

```
<?php

include 'config.php';

session_start();

$user_id = $_SESSION['userid'];
if(!isset($user_id)){
   header('location:login.php');
 }
if(isset($_POST['add_recipe'])){

   $name = mysqli_real_escape_string($conn, $_POST['name']);
   $description = mysqli_real_escape_string($conn, $_POST['description']);
   $instruction = mysqli_real_escape_string($conn, $_POST['instruction']);
   $ingredient = mysqli_real_escape_string($conn, $_POST['ingredient']);
   $image = $_FILES['image']['name'];
   $image_size = $_FILES['image']['size'];
   $image_tmp_name = $_FILES['image']['tmp_name'];
   $image_folder = 'images/'.$image;
   $video=mysqli_real_escape_string($conn,$_POST['video']);
   $category = mysqli_real_escape_string($conn, $_POST['category']);
   $subcategory = mysqli_real_escape_string($conn, $_POST['subcategory']);

   $select_recipe_name = mysqli_query($conn, "SELECT name FROM `recipes` WHERE
name = '$name'") or die('query failed');

   if(mysqli_num_rows($select_recipe_name) > 0){
      $message[] = 'Recipe already added';
   }else{
```

//style.css

```
.home .content1 p{
        font-size:1.8rem;
        color:var(--light-white);
        padding:1rem 0;
        line-height: 1.5;
}
.cook-btn a{
   color:white;
}
.cook-btn:hover{
   background-color: black;
   color:white;
}
.option-btn:hover,
.white-btn:hover{
        background-color: black;
        color:white;
     }
@keyframes fadeIn {
        0%{
           transform: translateY(1rem);
           opacity: .2s;
    }
}
```

//script.js

```
let userBox = document.getElementById('user-btn');
let navbar = document.querySelector('.header .header-2 .navbar');
document.querySelector('#close-update').onclick = () =>{
    document.querySelector('.edit-recipe-form').style.display = 'none';
    window.location.href = 'profile.php';
 }
userBox.onclick = () =>{
   userBox.style.display="inline-block";

}
function bookmarkRecipe() {
   // Trigger form submission
   document.getElementById("bookmarkForm").submit();
}
```

CHAPTER 6

OUTPUT SCREEN SHOTS

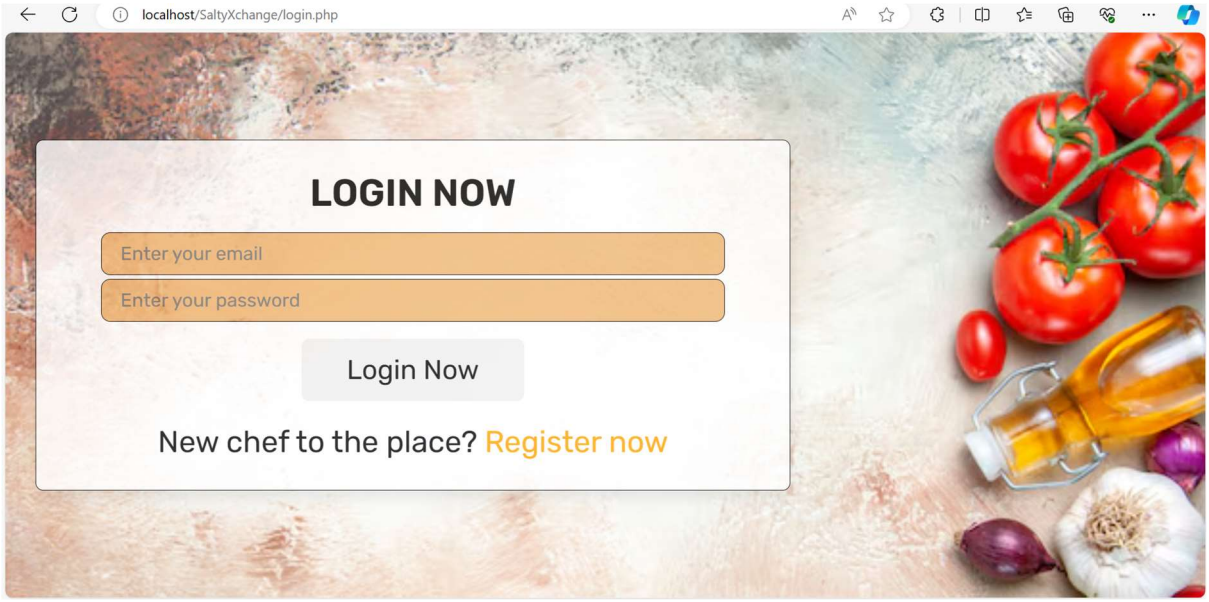

Fig 6.1 Login Page

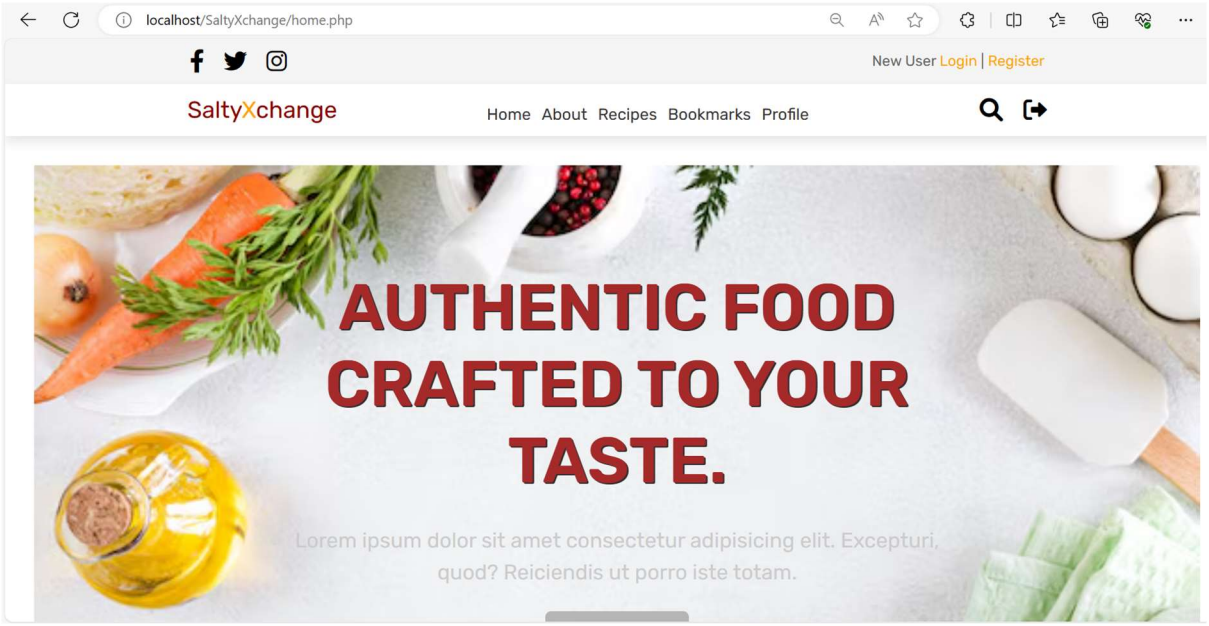

Fig 6.2 Home Page

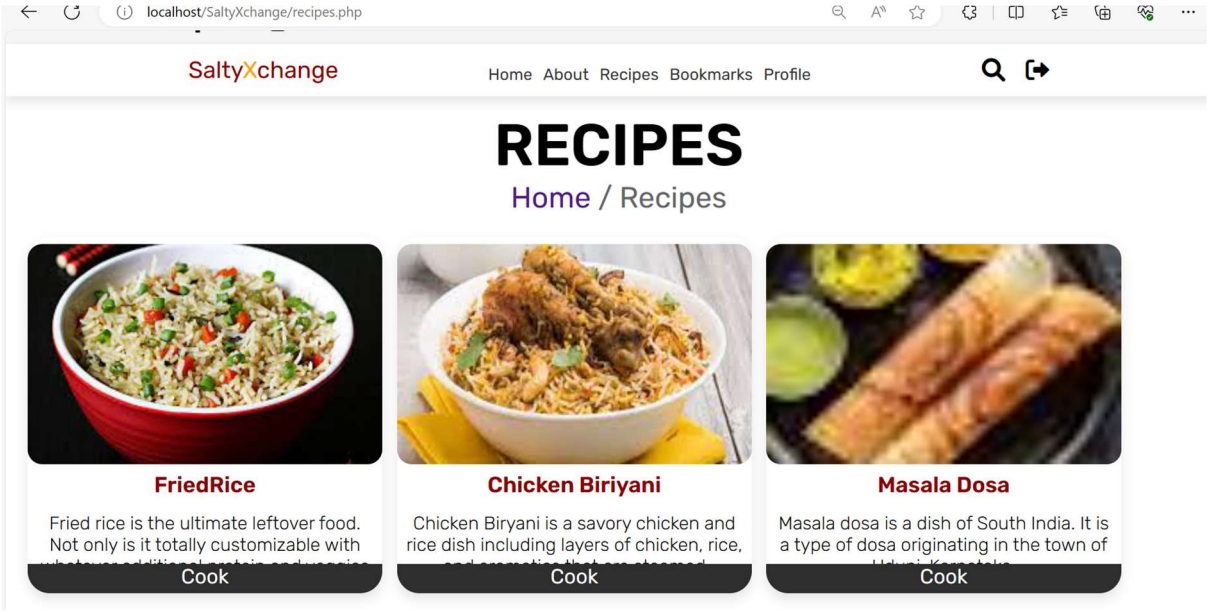

Fig 6.3 Recipes Page

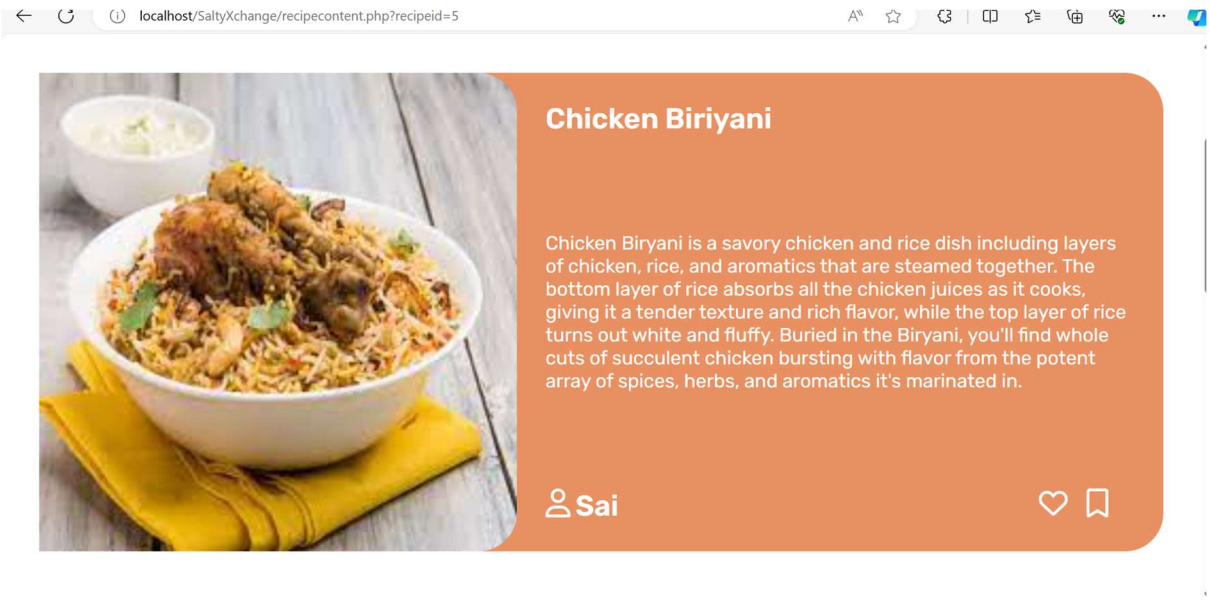

Fig 6.4 Recipe Instructions Page

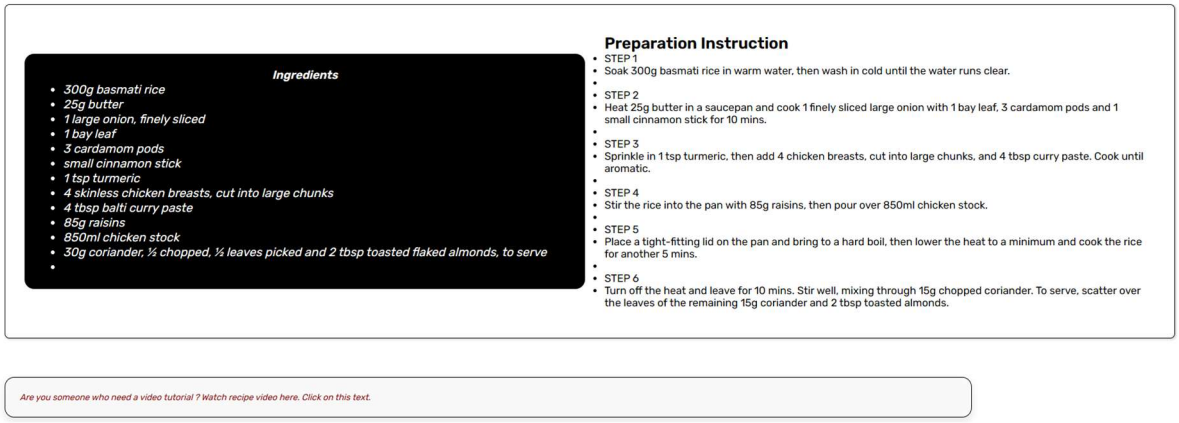

Fig 6.4 Recipe Instructions Page

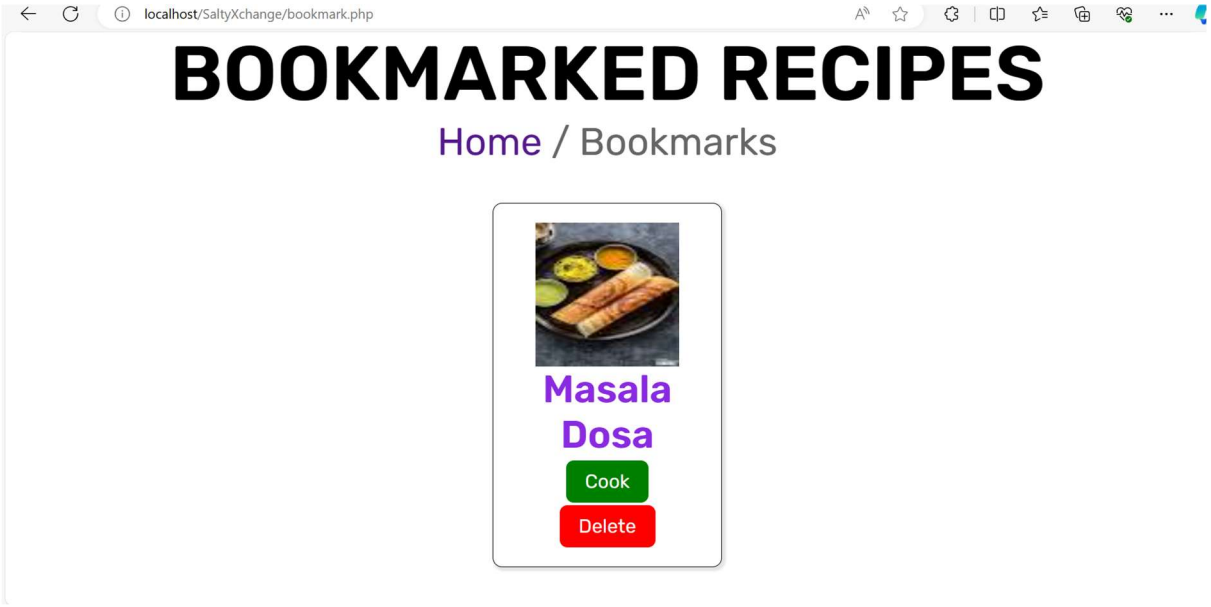

Fig 6.5 Bookmarks Page

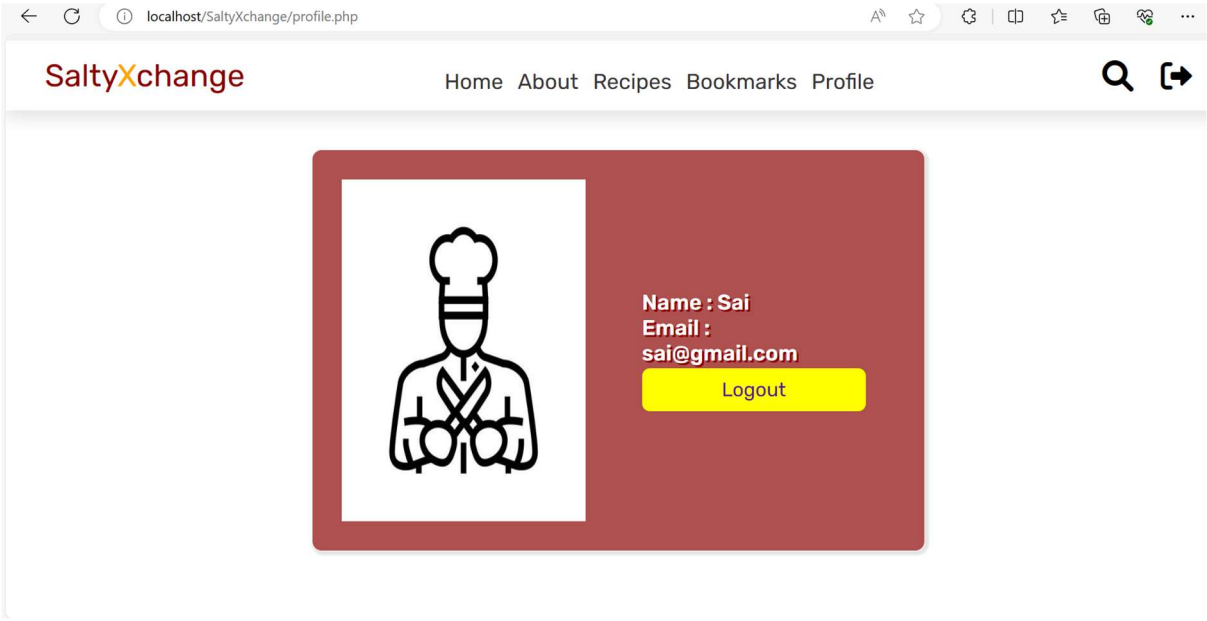

Fig 6.6 Profile Page

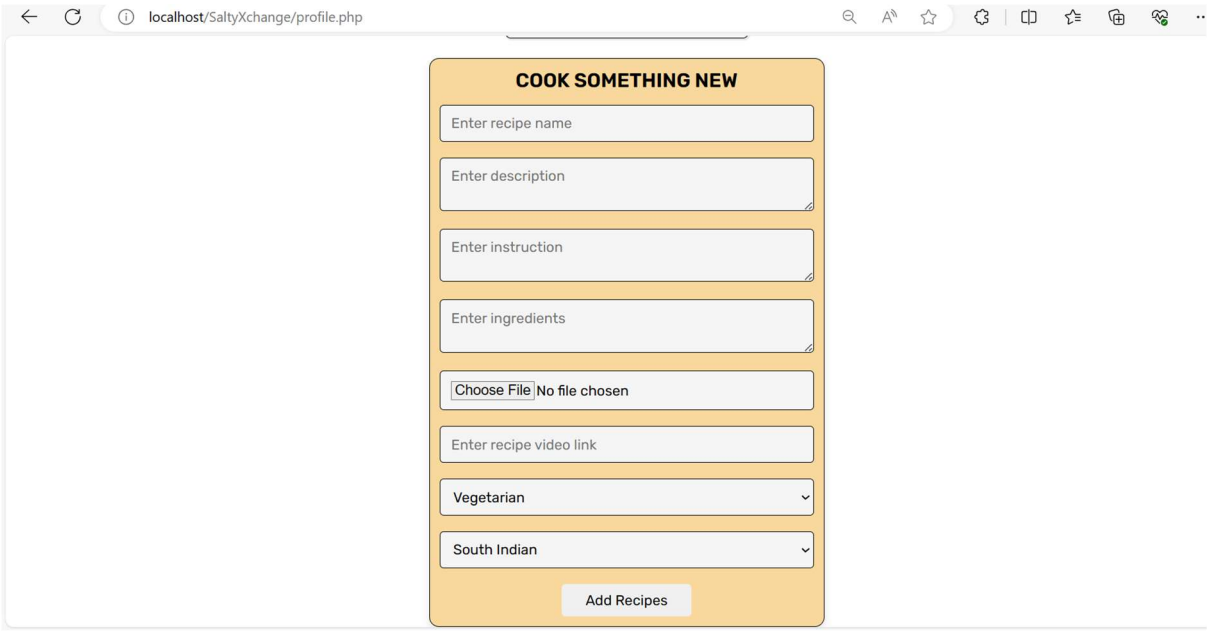

Fig 6.7 Add recipe page

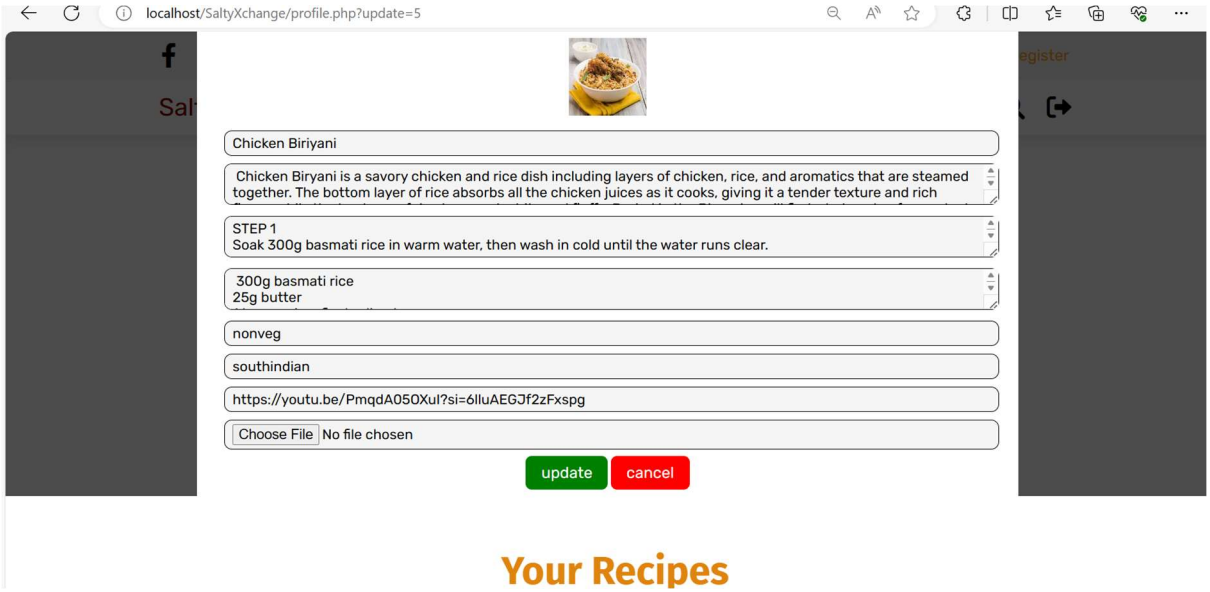

Fig 6.8 Update recipe modal

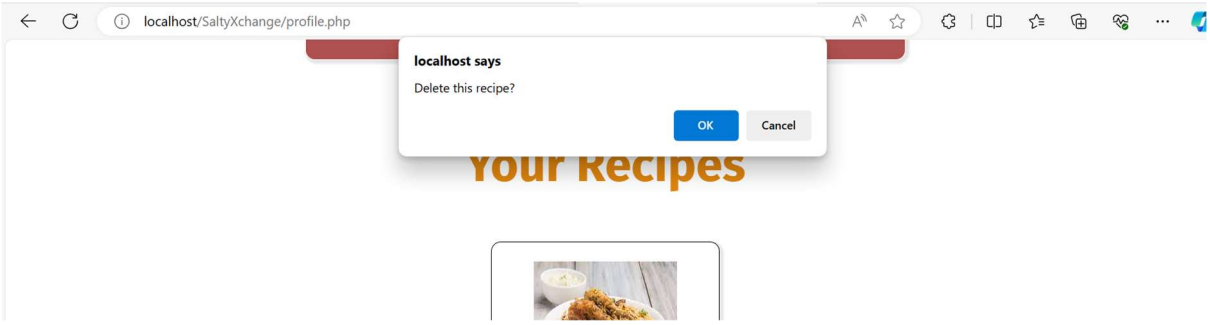

Fig 6.9 Delete recipe

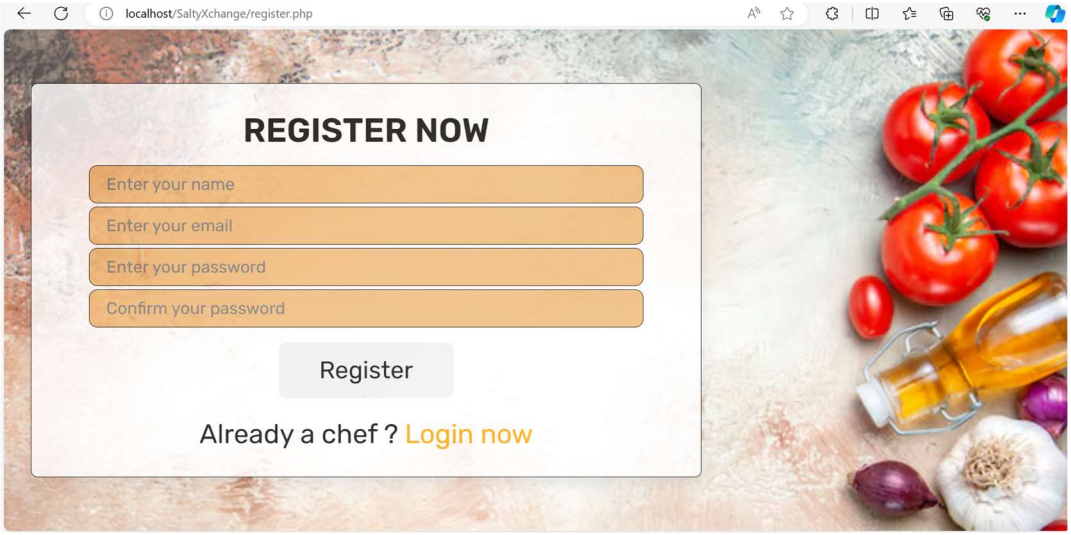

Fig 6.10 Register Page

CHAPTER 7

CONCLUSION AND FUTURE ENHANCEMENT

In conclusion, the recipe sharing website project has successfully addressed the need for a centralized platform where culinary enthusiasts can connect, share, and explore a diverse array of recipes. By implementing essential features such as user authentication, recipe management, social interaction functionalities, and intuitive user experience design, the project has created a dynamic and engaging platform for users to indulge in their passion for cooking and culinary exploration.

For future enhancements, several avenues can be explored to further enrich the user experience and expand the platform's capabilities. This includes:

1. Integration of advanced search and filtering options to allow users to discover recipes based on specific criteria such as cuisine, dietary preferences, or cooking time.

2. Implementing recommendation algorithms to suggest personalized recipe recommendations based on user preferences, browsing history, and engagement patterns.

3. Incorporating multimedia content such as video tutorials and cooking demonstrations to enhance the presentation and accessibility of recipes.

4. Expanding social features to include user-generated content such as recipe reviews, ratings, and user-generated content sharing, fostering deeper engagement and community interaction.

5. Enhancing accessibility and inclusivity by providing multi-language support and accommodating diverse dietary restrictions and preferences.

6. Leveraging emerging technologies such as artificial intelligence and machine learning to automate recipe categorization, ingredient recognition, and nutritional analysis, providing users with valuable insights and recommendations.

By continuously innovating and evolving, the recipe sharing website can stay at the forefront of culinary exploration, catering to the diverse needs and preferences of its users while fostering a vibrant and thriving community of food enthusiasts.

CHAPTER 8

REFERENCES

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