

**SIMATS SCHOOL OF ENGINEERING**

**SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES**

**CHENNAI-602105**

**Food Recipe Application**

**A CAPSTONE PROJECT REPORT**

*Submitted in the partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**Computer Science and Engineering**

**Submitted by**

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**Under the Supervision of**

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**DECLARATION**

We, **Bathmanabha R, Mani Baala Krishnan S** students of **Bachelor of Engineering in CSE**, Department of Computer Science and Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai, hereby declare that the work presented in this Capstone Project Work entitled **Food Recipe application** is the outcome of our own bonafide work and is correct to the best of our knowledge and this work has been undertaken taking care of Engineering Ethics.

**Bathmanabha R (192211943)**

**Mani Baala Krishnan S (192211171)**

Date:

Place:

**CERTIFICATE**

This is to certify that the project entitled **“Food Recipe Application”** submitted by **Bathmanaban R, Mani baala Krishnan S** has been carried out under my supervision. The project has been submitted as per the requirements in the current semester of B.E. Computer Science Engineering.

Teacher-in-charge

Ms.B.Jeevashri

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**ABSTRACT:**

The recipe management system, named "My Food Recipe," is a web application designed to facilitate the creation, storage, and sharing of culinary recipes. Developed using Visual Studio for frontend development and XAMPP with PHP for backend operations, the system integrates user authentication, recipe management, and administrative functionalities. Users can register, log in securely, create, view, update, and delete recipes, and search for recipes based on name or category. Admin users have additional privileges to manage user accounts and recipe categories

1. **INTRODUCTION:**

In an era marked by the proliferation of culinary experimentation and a burgeoning interest in home cooking, effective recipe management systems have become indispensable tools for both amateur enthusiasts and professional chefs alike. Traditional methods of organizing recipes, such as handwritten notes or disparate digital files, often fall short in providing systematic storage, easy retrieval, and efficient sharing capabilities. Recognizing these challenges, the "My Food Recipe" web application emerges as a comprehensive solution designed to streamline recipe management, enhance accessibility, and foster culinary creativity.

"My Food Recipe" addresses the inherent complexities of recipe management by leveraging modern web technologies to offer a user-centric platform. Developed using Visual Studio for frontend design and powered by the robust XAMPP stack (Apache, MySQL, PHP) for backend operations, the application aims to bridge the gap between traditional recipe storage methods and contemporary digital needs. By integrating user authentication, intuitive recipe creation and editing functionalities, comprehensive search capabilities, and administrative controls, "My Food Recipe" seeks to empower users with a seamless and enjoyable culinary experience.

This project not only aims to simplify recipe organization but also strives to promote culinary exploration and community engagement. By providing users with a centralized repository for their culinary creations, enhanced by interactive features and responsive design, "My Food Recipe" aims to revolutionize how individuals manage, discover, and share their favorite recipes. This introduction sets the stage for exploring the methodologies, functionalities, and outcomes of the "My Food Recipe" web application, highlighting its potential impact in transforming recipe management practices in the digital age.

1. **Project Description:**

"My Food Recipe" is a comprehensive web application developed to streamline recipe management. The application includes:

#### Proposed Method

* **Frontend Development**: Utilizing Visual Studio for designing responsive and intuitive user interfaces.
* **Backend Development**: Using XAMPP stack (Apache, MySQL, PHP) to handle server-side scripting, database management via phpMyAdmin, and ensuring secure data storage and retrieval.

**2.1 About my project:**

#### Purpose and Scope

The primary objective of "My Food Recipe" is to provide a user-friendly interface for recipe enthusiasts to organize their recipes effectively. It aims to cater to both amateur cooks looking to document their favourite dishes and seasoned chefs seeking a digital repository for their culinary innovations.

#### Features and Functionality

* **Recipe Management**: Users can add new recipes, update existing ones, and delete recipes as needed. Each recipe entry includes details such as ingredients, preparation steps, category classification, and an optional image.
* **Search and Filtering**: The application supports dynamic search functionality, allowing users to quickly locate recipes based on keywords, ingredients, or categories. This feature enhances usability by reducing the time spent searching for specific recipes.
* **User Interaction**: Registered users can interact with recipes through functionalities like viewing detailed recipe information in a modal window, updating recipe details directly, and seamlessly navigating through categorized recipes.

1. **Problem Description:**

**Existing Method**

Traditional methods of storing and managing recipes face numerous limitations that result in inefficiencies and inconvenience for users. Physical notebooks or handwritten recipe cards, though personal and sentimental, are prone to being misplaced, damaged, or deteriorating over time, leading to the potential loss of valuable recipes. The manual process of writing and organizing recipes is also time-consuming and susceptible to errors. Additionally, storing recipes in scattered digital documents, such as word processors or generic file storage systems, presents challenges in centralized management. Users often struggle to quickly locate specific recipes spread across multiple files or devices, and the lack of advanced search capabilities forces them to manually sift through text to find desired recipes or ingredients. This method also lacks structured organization, leading to inconsistencies in formatting and categorization.

Existing online platforms and mobile applications for recipes offer some improvements but still have notable shortcomings. Many of these platforms prioritize content sharing and social interaction over comprehensive recipe management. Users often encounter user-generated content, advertisements, and irrelevant recommendations, which detract from the primary purpose of efficient recipe organization. While these platforms may offer search functionality, they frequently lack robust organizational tools, personalized recipe collections, and detailed ingredient management. Furthermore, users may need to compromise on privacy and data ownership, as content is stored on external servers, raising concerns about the security and longevity of personal recipe collections. The inconsistent user experience, varying levels of user interface design, and limited support for different devices further compound these issues. This project aims to address these gaps by providing a dedicated web application with robust functionality and a seamless user experience tailored to the needs of recipe enthusiasts.

**4.TOOL DESCRIPTION:**

#### Hardware and Software Tools

To develop and deploy the recipe management web application, the following hardware and software tools were utilized:

**Hardware Specifications:**

* **Laptop Model**: ASUS ROG Strix
* **Graphics Card**: NVIDIA GeForce RTX 3060, 4GB
* **Storage**: 1TB SSD
* **RAM**: 16GB
* **Processor**: AMD Ryzen 7 6800H

The ASUS ROG Strix laptop with its high-performance specifications provided an excellent environment for developing and testing the web application. The NVIDIA GeForce RTX 3060 graphics card ensured smooth rendering of graphics and multimedia content, enhancing the development experience, especially when dealing with high-resolution recipe images and user interface design. The 1TB SSD facilitated fast data read/write operations, significantly reducing load times for development tools and ensuring rapid access to project files. With 16GB of RAM, the laptop efficiently handled multiple development tools running concurrently, supporting a seamless multitasking environment. The AMD Ryzen 7 6800H processor, known for its powerful performance and energy efficiency, enabled quick compilation and execution of code, speeding up the development cycle.

**Software Tools:**

* **Visual Studio Code**: An integrated development environment (IDE) used for writing and debugging code. Its extensions and integrated terminal enhanced the coding experience.
* **XAMPP**: A free and open-source cross-platform web server solution stack package developed by Apache Friends. It provided the necessary Apache, MySQL, PHP, and Perl support for local development and testing.
* **phpMyAdmin**: A free software tool written in PHP, intended to handle the administration of MySQL over the web. phpMyAdmin was used for database management, allowing for easy handling of the MySQL database used in the application.
* **GitHub**: Used for version control and collaborative development. The repository hosted the project's source code, enabling team collaboration and version tracking.
* **Google Chrome**: The primary web browser used for testing and debugging the web application. Developer tools in Chrome facilitated real-time inspection and modification of the front-end code.

The combination of powerful hardware and a robust set of development tools provided a conducive environment for the efficient development, testing, and deployment of the recipe management web application.

1. **Operations:**

The Food Recipe Application provides various operations for both administrators and users to manage recipes effectively and ensure a smooth user experience. Below are the detailed operations based on the provided code and functionalities of the application:

#### 5.1 Administrator Operations

**Creating and Managing Recipes:**

* **Add Recipes:** Administrators can create new recipes by entering the recipe name, category, ingredients, procedure, and uploading an image.
* **Edit Recipes:** Administrators can modify existing recipes to update content, correct errors, or improve the recipe details.
* **Delete Recipes:** Administrators can remove recipes that are no longer relevant or needed. This operation includes deleting the associated image file from the server.
* **Organize Recipes:** Administrators can categorize and organize recipes into different categories, making it easier for users to find specific types of recipes.

**Managing Categories:**

* **Add Categories:** Administrators can add new categories to organize recipes better.
* **Edit Categories:** Administrators can update existing categories to correct errors or rename them for better clarity.
* **Delete Categories:** Administrators can remove categories that are no longer needed. This includes reassigning or deleting recipes associated with the removed category.

**User Management:**

* **View Users:** Administrators can view a list of registered users.
* **Edit User Details:** Administrators can update user details such as username, email, and password.
* **Delete Users:** Administrators can remove users from the system.

**Analyzing Recipe Usage:**

* **View Recipe Statistics:** Administrators can access a summary of recipe views, likes, and comments to understand which recipes are popular among users.
* **Generate Reports:** Administrators can generate detailed reports on recipe usage and user activity, highlighting areas of high engagement.

#### 5.2 User Operations

**Interacting with Recipes:**

* **View Recipes:** Users can browse and view detailed information about recipes, including the name, category, ingredients, procedure, and an image of the dish.
* **Search Recipes:** Users can search for recipes by name or category using the search functionality.
* **Like Recipes:** Users can like their favorite recipes, helping other users identify popular recipes.
* **Comment on Recipes:** Users can leave comments on recipes to share their thoughts, tips, or modifications.

**User Authentication:**

* **Register:** New users can create an account by providing their username, email, and password.
* **Login:** Registered users can log into their accounts using their credentials.
* **Logout:** Users can log out of their accounts to secure their sessions.

**Managing User Profile:**

* **View Profile:** Users can view their profile information, including username, email, and liked recipes.
* **Edit Profile:** Users can update their profile information, such as username, email, and password.

**Taking Actions on Recipes:**

* **Add Recipes:** Users can submit their own recipes, providing details such as recipe name, category, ingredients, procedure, and an image.
* **Edit Personal Recipes:** Users can modify recipes they have submitted to update content, correct errors, or improve the recipe details.
* **Delete Personal Recipes:** Users can remove recipes they have submitted that are no longer relevant or needed.

By structuring the operations around these roles, the Food Recipe Application provides a seamless and efficient way for administrators to manage recipes and for users to interact with and contribute to the recipe collection.

**6.Approach / Module Description / Functionalities**

To develop the Food Recipe Application, we will divide the project into distinct modules, each responsible for specific functionalities. By creating individual functions for every operation and unifying them, we can ensure modularity, maintainability, and scalability.

#### Modules and Functionalities

### 6.1 User Authentication Module

**Function: Register User**

* **Description:** Allows new users to create an account.
* **Functionalities:**
  + Collect user information (username, email, password).
  + Validate and store user information in the database.

**Function: Login User**

* **Description:** Authenticates existing users.
* **Functionalities:**
  + Verify user credentials (email and password).
  + Start a session for the authenticated user.

### 6.2 Recipe Management Module (Administrator)

**Function: Add Recipe**

* **Description:** Allows administrators to add new recipes.
* **Functionalities:**
  + Input recipe details (name, category, ingredients, procedure, image).
  + Save the recipe to the database.

**Function: Edit Recipe**

* **Description:** Enables administrators to modify existing recipes.
* **Functionalities:**
  + Retrieve recipe details from the database.
  + Update recipe content and save changes.

**Function: Delete Recipe**

* **Description:** Permits administrators to delete recipes.
* **Functionalities:**
  + Remove the recipe from the database and associated image file from the server.

**Function: Organize Recipes**

* **Description:** Helps administrators organize recipes into categories.
* **Functionalities:**
  + Group recipes by category.
  + Manage category details (add, edit, delete).

### 6.3 Recipe Interaction Module (User)

**Function: View Recipes**

* **Description:** Allows users to browse and view detailed information about recipes.
* **Functionalities:**
  + Display recipe details (name, category, ingredients, procedure, image).
  + Implement smooth scrolling for navigating through recipes.

**Function: Search Recipes**

* **Description:** Enables users to search for recipes by name or category.
* **Functionalities:**
  + Filter recipes based on search input.
  + Display search results dynamically.

**Function: Like Recipes**

* **Description:** Users can like their favorite recipes.
* **Functionalities:**
  + Store likes in the database.
  + Update like count for recipes.

**Function: Comment on Recipes**

* **Description:** Users can leave comments on recipes.
* **Functionalities:**
  + Input comment text.
  + Save comments to the database.
  + Display comments under the respective recipes.

### 6.4 Profile Management Module (User)

**Function: View Profile**

* **Description:** Displays user profile information.
* **Functionalities:**
  + Retrieve and show user details (username, email, liked recipes).

**Function: Edit Profile**

* **Description:** Allows users to update their profile information.
* **Functionalities:**
  + Input new user information.
  + Validate and save updates to the database.

### 6.5 Recipe View and Update Module (User & Admin)

**Function: View Recipe Details**

* **Description:** Allows users to view detailed recipe information.
* **Functionalities:**
  + Fetch and display recipe details in a modal.

**Function: Update Recipe Details**

* **Description:** Enables administrators to update recipe information.
* **Functionalities:**
  + Fetch recipe details for editing.
  + Save updates to the database.

### 6.6 Admin Module (Administrator)

**Function: Manage Users**

* **Description:** Enables administrators to manage user accounts.
* **Functionalities:**
  + View user list.
  + Edit or delete user accounts.

**Function: Manage Categories**

* **Description:** Allows administrators to manage recipe categories.
* **Functionalities:**
  + Add, edit, or delete categories.

### Integration of Functions:

By developing these modules and their respective functions independently, we can then unify them to form the complete software. Each module can interact with others through defined interfaces, ensuring smooth data flow and cohesive operation.

**Example: Unifying Functions**

1. **User Login:**
   * User logs in using the Login User function from the User Authentication Module.
   * Based on the role (user/admin), the user is redirected to their respective dashboard.
2. **Admin Dashboard:**
   * Administrators can access Recipe Management Module functions (Add Recipe, Edit Recipe, etc.) from their dashboard.
   * They can also use the Admin Module to manage users and categories.
3. **User Dashboard:**
   * Users can view and interact with recipes using the Recipe Interaction Module.
   * Users can also manage their profiles using functions from the Profile Management Module.
4. **Profile Management:**
   * Both administrators and users can manage their profiles using functions from the Profile Management Module.

By structuring the operations and functionalities around these modules, the Food Recipe Application ensures a seamless and efficient user experience for both administrators and users.

**7. Implementation/Coding:**

### Index code:

<?php

include('conn/conn.php');

include('assets/modal.php');

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>My Food Recipe</title>

<!-- Bootstrap -->

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css" integrity="sha384-xOolHFLEh07PJGoPkLv1IbcEPTNtaed2xpHsD9ESMhqIYd0nLMwNLD69Npy4HI+N" crossorigin="anonymous">

<!-- Font Awesome -->

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css" integrity="sha512-z3gLpd7yknf1YoNbCzqRKc4qyor8gaKU1qmn+CShxbuBusANI9QpRohGBreCFkKxLhei6S9CQXFEbbKuqLg0DA==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<!-- Style CSS -->

<link rel="stylesheet" href="assets/style.css">

</head>

<body>

<!-- Navbar -->

<nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">

<a class="navbar-brand ml-5" href="http://localhost/my-food-recipe/index.php">My Food Recipe</a>

<div class="collapse navbar-collapse" id="navbarSupportedContent">

<ul class="navbar-nav mr-auto">

<li class="nav-item active">

<a class="nav-link" href="#home">Home <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="#category">Food Categories</a>

</li>

<li class="nav-item">

<a class="nav-link" href="#food">Food List</a>

</li>

</ul>

<div class="form-inline my-2 my-lg-0 mr-5">

<div class="dropdown">

<a class="nav-link dropdown-toggle link-unstyled" style="text-decoration: none; color: #eee;" href="#" role="button" data-toggle="dropdown" aria-expanded="false">

My Account

</a>

<div class="dropdown-menu" aria-labelledby="navbarDropdown">

<a class="dropdown-item" href="#">View Account</a>

<div class="dropdown-divider"></div>

<a class="dropdown-item" href="#">Log Out</a>

</div>

</div>

</div>

</div>

</nav>

<section id="home">

<div class="main">

<div id="carouselExampleCaptions" class="carousel slide" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleCaptions" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleCaptions" data-slide-to="1"></li>

<li data-target="#carouselExampleCaptions" data-slide-to="2"></li>

</ol>

<div class="carousel-inner">

<div class="carousel-item active">

<img src="image/bg4.jpg" class="d-block w-100" alt="...">

<div class="carousel-caption d-none d-md-block">

<h1 class="caption"><strong>Welcome to My Food Recipe</strong></h1>

<p class="caption caption-p">Create delicious recipes with ease using our interactive web application. Simply input the dishes you intend to cook, along with their corresponding ingredients and step-by-step procedures, to ensure a seamless and delightful cooking experience.</p>

</div>

</div>

<div class="carousel-item">

<img src="image/bg3.jpg" class="d-block w-100" alt="...">d

<div class="carousel-caption d-none d-md-block">

<h1 class="caption"><strong>Learn Web Design</strong></h5>

<p class="caption caption-p">Embark on a journey into the world of web design—a dynamic fusion of creativity and technology. Discover the art of crafting captivating digital experiences through layout, color, and typography. Dive into coding languages like HTML and CSS to bring your imaginative designs to life on the vast canvas of the internet.</p>

</div>

</div>

<div class="carousel-item">

<img src="image/bg5.jpg" class="d-block w-100" alt="...">

<div class="carousel-caption d-none d-md-block">

<h1 class="caption"><strong>Sourcecodester.com</strong></h1>

<p class="caption caption-p">Visit our free source code website to access a wide range of coding resources, tutorials, and examples.Whether you're a beginner or an experienced developer, our platform offers valuable insights and code snippets to enhance your coding skills. Explore different programming languages, frameworks, and projects to expand your knowledge and create innovative applications. Happy coding!</p>

</div>

</div>

</div>

</div>

<div class="container mt-5">

<div class="row">

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/card1.jpg" class="card-img-top" alt="...">

<div class="card-body">

<h4 class="card-title text-center"><strong>Ingredients List</strong></h4>

<p class="card-text text-center">This should be detailed and include important information to tell the user how much of each ingredient they should be using.</p>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/card2.jpg" class="card-img-top" alt="...">

<div class="card-body">

<h4 class="card-title text-center"><strong>Foods List</strong></h4>

<p class="card-text text-center">This is typically the name of the food the user will be making when they follow the recipe.</p>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/card3.jpg" class="card-img-top" alt="...">

<div class="card-body">

<h4 class="card-title text-center"><strong>Prodedures</strong></h4>

<p class="card-text text-center">These are the steps the user should take and are numbered and ordered chronologically in the way they should be done.</p>

</div>

</div>

</div>

</div>

</div>

</div>

</section>

<section id="category">

<!-- Category Area -->

<div class="container mt-5">

<div class="row">

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/breakfast.jpg" class="card-img-top" alt="..." style="height: 240px">

<div class="card-body">

<h5 class="card-title text-center"><strong>Breakfast Recipes</strong></h5>

<a class="btn btn-dark btn-block" data-toggle="modal" data-target="#breakfastModal">View List</a>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/lunch.jpg" class="card-img-top" alt="..." style="height: 240px">

<div class="card-body">

<h5 class="card-title text-center"><strong>Lunch Recipes</strong></h5>

<a class="btn btn-dark btn-block" data-toggle="modal" data-target="#lunchModal">View List</a>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/dinner.jpg" class="card-img-top" alt="..." style="height: 240px">

<div class="card-body">

<h5 class="card-title text-center"><strong>Dinner Recipes</strong></h5>

<a class="btn btn-dark btn-block" data-toggle="modal" data-target="#dinnerModal">View List</a>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/appetizer.jpg" class="card-img-top" alt="..." style="height: 240px">

<div class="card-body">

<h5 class="card-title text-center"><strong>Appetizer Recipes</strong></h5>

<a class="btn btn-dark btn-block" data-toggle="modal" data-target="#appetizerModal">View List</a>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/dessert.jpeg" class="card-img-top" alt="..." style="height: 240px">

<div class="card-body">

<h5 class="card-title text-center"><strong>Dessert Recipes</strong></h5>

<a class="btn btn-dark btn-block" data-toggle="modal" data-target="#dessertModal">View List</a>

</div>

</div>

</div>

<div class="col-md-4 mb-4">

<div class="card">

<img src="image/fastfood.jpg" class="card-img-top" alt="..." style="height: 240px">

<div class="card-body">

<h5 class="card-title text-center"><strong>Fast Food Recipes</strong></h5>

<a class="btn btn-dark btn-block" data-toggle="modal" data-target="#fastFoodModal">View List</a>

</div>

</div>

</div>

</div>

</div>

</section>

<section id="food">

<div class="card card-food-list">

<h1 class="text-center"><strong>Food Lists</strong></h1>

<div class="mt-4">

<div class="row">

<div class="col-md-2 mr-auto">

<button type="button" class="btn btn-add-food btn-secondary" data-toggle="modal" data-target="#addRecipeModal">Add Recipe</button>

</div>

<div class="col-md-2">

<input class="form-control p-4" type="text" id="searchInput" placeholder="Search...">

</div>

</div>

</div>

<table id="foodListTable" class="table table-responsive mt-4" style="text-align:center;">

<thead>

<tr>

<th scope="col" style="width: 5%;">Food ID</th>

<th scope="col" style="width: 10%;">Recipe Image</th>

<th scope="col" style="width: 10%;">Recipe Name</th>

<th scope="col" style="width: 10%;">Category</th>

<th scope="col" style="width: 10%;">Action</th>

</tr>

</thead>

<tbody>

<?php

$stmt = $conn->prepare("

SELECT \*

FROM

`tbl\_recipe`

LEFT JOIN

`tbl\_category` ON

`tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id`

");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryID = $row['tbl\_category\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

$recipeIngredients = $row['recipe\_ingredients'];

$recipeProcedure = $row['recipe\_procedure'];

?>

<tr>

<th id="recipeID-<?= $recipeID ?>"><?php echo $recipeID ?></th>

<td id="recipeImage-<?= $recipeID ?>"><img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="img-fluid" style="height: 50px; width: 90px" alt="Recipe Image"></td>

<td id="recipeName-<?= $recipeID ?>"><?php echo $recipeName ?></td>

<td id="categoryName-<?= $recipeID ?>"><?php echo $categoryName ?></td>

<td id="recipeIngredients-<?= $recipeID ?>" hidden><?php echo $recipeIngredients ?></td>

<td id="recipeProcedure-<?= $recipeID ?>" hidden><?php echo $recipeProcedure ?></td>

<td>

<button type="button" onclick="view\_recipe('<?php echo $recipeID ?>')" title="View"><i class="fa-solid fa-list p-1"></i></button>

<button type="button" onclick="update\_recipe('<?php echo $recipeID ?>')" title="Edit"><i class="fa-solid fa-pencil p-1"></i></button>

<button type="button" onclick="delete\_recipe('<?php echo $recipeID ?>')" title="Delete"><i class="fa-solid fa-trash p-1"></i></button>

</td>

</tr>

<?php

}

?>

</tbody>

</table>

</div>

</section>

<script src="assets/script.js"></script>

<script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.min.js" integrity="sha384-+sLIOodYLS7CIrQpBjl+C7nPvqq+FbNUBDunl/OZv93DB7Ln/533i8e/mZXLi/P+" crossorigin="anonymous"></script>

</body>

</html>

**MODEL CODE:**

<!-- CATEGORY MODALS -->

<!-- Breakfast Modal -->

<div class="modal fade mt-5" id="breakfastModal" tabindex="-1" aria-labelledby="breakfast" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="breakfast"><strong>Breakfast Recipes</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="row modal-body">

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_recipe` LEFT JOIN `tbl\_category` ON `tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id` WHERE `category\_name` = 'Breakfast' ");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

?>

<div class="card" style="width:185px; height:200px; margin: 20px">

<div class="d-flex justify-content-center align-items-center" style="max-height: 120px;">

<img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="card-img-top mt-1" alt="Recipe" style="max-width: 120px; max-height: 180px;">

</div>

<div class="card-body">

<h6 class="card-title text-center"><strong><?php echo $recipeName ?></strong></h6>

<i class="text-muted">Category: </i><i class="card-subtitle text-muted"><?php echo $categoryName ?></i><br>

</div>

</div>

<?php

}

?>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Lunch Modal -->

<div class="modal fade mt-5" id="lunchModal" tabindex="-1" aria-labelledby="lunch" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="lunch"><strong>Lunch Recipes</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="row modal-body">

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_recipe` LEFT JOIN `tbl\_category` ON `tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id` WHERE `category\_name` = 'Lunch' ");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

?>

<div class="card" style="width:185px; height:200px; margin: 20px">

<div class="d-flex justify-content-center align-items-center" style="height: 120px;">

<img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="card-img-top mt-1" alt="Recipe" style="max-width: 120px; max-height: 180px;">

</div>

<div class="card-body">

<h6 class="card-title text-center"><strong><?php echo $recipeName ?></strong></h6>

<i class="text-muted">Category: </i><i class="card-subtitle text-muted"><?php echo $categoryName ?></i><br>

</div>

</div>

<?php

}

?>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Dinner Modal -->

<div class="modal fade mt-5" id="dinnerModal" tabindex="-1" aria-labelledby="dinner" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="dinner"><strong>Dinner Recipes</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="row modal-body">

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_recipe` LEFT JOIN `tbl\_category` ON `tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id` WHERE `category\_name` = 'Dinner' ");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

?>

<div class="card" style="width: 185px;; height:200px; margin: 20px">

<div class="d-flex justify-content-center align-items-center" style="height: 120px;">

<img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="card-img-top mt-1" alt="Recipe" style="max-width: 120px; max-height: 180px;">

</div>

<div class="card-body">

<h6 class="card-title text-center"><strong><?php echo $recipeName ?></strong></h6>

<i class="text-muted">Category: </i><i class="card-subtitle text-muted"><?php echo $categoryName ?></i><br>

</div>

</div>

<?php

}

?>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Appetizer Modal -->

<div class="modal fade mt-5" id="appetizerModal" tabindex="-1" aria-labelledby="appetizer" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="appetizer"><strong>Appetizer Recipes</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="row modal-body">

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_recipe` LEFT JOIN `tbl\_category` ON `tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id` WHERE `category\_name` = 'Appetizer' ");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

?>

<div class="card" style="width:200px; height: 185px;; margin: 20px">

<div class="d-flex justify-content-center align-items-center" style="height: 120px;">

<img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="card-img-top mt-1" alt="Recipe" style="max-width: 120px; max-height: 180px;">

</div>

<div class="card-body">

<h6 class="card-title text-center"><strong><?php echo $recipeName ?></strong></h6>

<i class="text-muted">Category: </i><i class="card-subtitle text-muted"><?php echo $categoryName ?></i><br>

</div>

</div>

<?php

}

?>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Dessert Modal -->

<div class="modal fade mt-5" id="dessertModal" tabindex="-1" aria-labelledby="dessert" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="dessert"><strong>Dessert Recipes</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="row modal-body">

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_recipe` LEFT JOIN `tbl\_category` ON `tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id` WHERE `category\_name` = 'Dessert' ");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

?>

<div class="card" style="width: 185px;; height:200px; margin: 20px">

<div class="d-flex justify-content-center align-items-center" style="height: 120px;">

<img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="card-img-top mt-1" alt="Recipe" style="max-width: 120px; max-height: 180px;">

</div>

<div class="card-body">

<h6 class="card-title text-center"><strong><?php echo $recipeName ?></strong></h6>

<i class="text-muted">Category: </i><i class="card-subtitle text-muted"><?php echo $categoryName ?></i><br>

</div>

</div>

<?php

}

?>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Fast Food Modal -->

<div class="modal fade mt-5" id="fastFoodModal" tabindex="-1" aria-labelledby="fastFood" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="fastFood"><strong>Fast Food Recipes</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="row modal-body">

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_recipe` LEFT JOIN `tbl\_category` ON `tbl\_recipe`.`tbl\_category\_id` = `tbl\_category`.`tbl\_category\_id` WHERE `category\_name` = 'Fast Food' ");

$stmt->execute();

$result = $stmt->fetchAll();

foreach ($result as $row) {

$recipeID = $row['tbl\_recipe\_id'];

$categoryName = $row['category\_name'];

$recipeImage = $row['recipe\_image'];

$recipeName = $row['recipe\_name'];

?>

<div class="card" style="width:185px; height:200px; margin: 20px">

<div class="d-flex justify-content-center align-items-center" style="height: 120px;">

<img src="http://localhost/my-food-recipe/uploads/<?php echo $recipeImage ?>" class="card-img-top mt-1" alt="Recipe" style="max-width: 120px; max-height: 180px;">

</div>

<div class="card-body">

<h6 class="card-title text-center"><strong><?php echo $recipeName ?></strong></h6>

<i class="text-muted">Category: </i><i class="card-subtitle text-muted"><?php echo $categoryName ?></i><br>

</div>

</div>

<?php

}

?>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- FOOD LISTS MODALS -->

<!-- Add Recipe Modal -->

<div class="modal fade mt-5" id="addRecipeModal" tabindex="-1" aria-labelledby="addRecipe" aria-hidden="true">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="addRecipe"><strong>Add Recipe</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<form id="recipeID" action="endpoint/add-recipe.php" method="POST" enctype="multipart/form-data">

<input type="text" class="form-control" id="table" name="table" value="tbl\_recipe" hidden>

<div class="mb-3" hidden>

<label for="recipeID" class="form-label">Recipe ID</label>

<input type="text" class="form-control" id="recipeID" name="tbl\_recipe\_id">

</div>

<div class="mb-3">

<label for="recipeImage" class="form-label">Recipe Image</label>

<input type="file" class="form-control" id="recipeImage" name="recipe\_image" style="border:none;">

</div>

<div class="mb-3">

<label for="recipeName" class="form-label">Recipe Name</label>

<input type="text" class="form-control" id="recipeName" name="recipe\_name">

</div>

<div class="mb-3">

<label for="recipeCategory" class="form-label">Category</label>

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_category`");

$stmt->execute();

$recipe\_category = $stmt->fetchAll();

?>

<select class="form-control" name="tbl\_category\_id" id="recipeCategory">

<option value="">- select -</option>

<?php foreach ($recipe\_category as $category) {

?>

<option value="<?php echo $category['tbl\_category\_id']; ?>"><?php echo $category['category\_name'] ?></option>

<?php

}?>

</select>

</div>

<div>

<label for="recipeIngredients" class="form-label">Ingredients</label>

<textarea class="form-control" name="recipe\_ingredients" id="recipeIngredients" rows="5"></textarea>

</div>

<div>

<label for="recipeProcedure" class="form-label">Procedure</label>

<textarea class="form-control" name="recipe\_procedure" id="recipeProcedure" rows="5"></textarea>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

<button type="submit" class="btn btn-dark">Save changes</button>

</div>

</form>

</div>

</div>

</div>

</div>

<!-- View Recipe Modal -->

<div class="modal fade mt-5" id="viewRecipeModal" tabindex="-1" aria-labelledby="viewRecipe" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="viewRecipe"><strong>My Recipe</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<div class="card">

<div class="d-flex justify-content-center align-items-center">

<img src="" id="viewRecipeImage" class="card-img-top mt-2" alt="Recipe" style="max-width: 300px">

</div>

<div class="card-body text-center">

<h6 class="card-title"><strong id="viewRecipeName"></strong></h6>

<p class="text-muted">Category: <span class="card-subtitle text-muted" id="viewCategoryName"></span></p>

</div>

<div class="row text-center mb-5 p-3">

<div class="col">

<h5><strong>Ingredients:</strong></h5>

<p id="viewRecipeIngredients"></p>

</div>

<div class="col">

<h5><strong>Procedure:</strong></h5>

<p id="viewRecipeProcedure"></p>

</div>

</div>

</div>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div>

</div>

</div>

</div>

<!-- Update Recipe Modal -->

<div class="modal fade mt-5" id="updateRecipeModal" tabindex="-1" aria-labelledby="updateRecipe" aria-hidden="true">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="updateRecipe"><strong>Update Recipe</strong></h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<form id="recipeID" action="endpoint/update-recipe.php" method="POST" enctype="multipart/form-data">

<input type="text" class="form-control" id="updateTable" name="table" value="tbl\_recipe" hidden>

<div class="mb-3" hidden>

<label for="updateRecipeID" class="form-label">Recipe ID</label>

<input type="text" class="form-control" id="updateRecipeID" name="tbl\_recipe\_id">

</div>

<div class="mb-3">

<label for="updateRecipeImage" class="form-label">Recipe Image</label>

<input type="file" class="form-control" id="updateRecipeImage" name="recipe\_image" style="border:none;">

</div>

<div class="mb-3">

<label for="updateRecipeName" class="form-label">Recipe Name</label>

<input type="text" class="form-control" id="updateRecipeName" name="recipe\_name">

</div>

<div class="mb-3">

<label for="updateRecipeCategory" class="form-label">Category</label>

<?php

$stmt = $conn->prepare("SELECT \* FROM `tbl\_category`");

$stmt->execute();

$recipe\_category = $stmt->fetchAll();

?>

<select class="form-control" name="tbl\_category\_id" id="updateRecipeCategory">

<option value="">- select -</option>

<?php foreach ($recipe\_category as $category) {

?>

<option value="<?php echo $category['tbl\_category\_id']; ?>"><?php echo $category['category\_name'] ?></option>

<?php

}?>

</select>

</div>

<div>

<label for="updateRecipeIngredients" class="form-label">Ingredients</label>

<textarea class="form-control" name="recipe\_ingredients" id="updateRecipeIngredients" rows="5"></textarea>

</div>

<div>

<label for="updateRecipeProcedure" class="form-label">Procedure</label>

<textarea class="form-control" name="recipe\_procedure" id="updateRecipeProcedure" rows="5"></textarea>

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

<button type="submit" class="btn btn-dark">Save changes</button>

</div>

</form>

</div>

</div>

</div>

</div>

**ADD RECIPE:**

<?php

include('../conn/conn.php');

$recipeName = $\_POST['recipe\_name'];

$recipeCategory = $\_POST['tbl\_category\_id'];

$recipeIngredients = $\_POST['recipe\_ingredients'];

$recipeProcedure = $\_POST['recipe\_procedure'];

// recipe image

$recipeImageName = $\_FILES['recipe\_image']['name'];

$recipeImageTmpName = $\_FILES['recipe\_image']['tmp\_name'];

$target\_dir = "../uploads/";

$target\_file = $target\_dir . basename($recipeImageName);

$uploadOk = 1;

$imageFileType = strtolower(pathinfo($target\_file, PATHINFO\_EXTENSION));

// check if the image is valid

if (isset($\_POST['submit'])) {

$check = getimagesize($recipeImageTmpName);

if ($check !== false) {

$uploadOk = 1;

} else {

$uploadOk = 0;

}

}

// Check if file already exists

if (file\_exists($target\_file)) {

$uploadOk = 0;

}

// Check file size

if ($\_FILES["recipe\_image"]["size"] > 500000) {

$uploadOk = 0;

}

// Allow only certain image formats

if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg" && $imageFileType != "gif") {

$uploadOk = 0;

}

// insert of the $uploadOk is 1

if ($uploadOk == 0) {

echo "<script>

alert('There\'s a problem with your image, try another image');

window.location.href = 'http://localhost/my-food-recipe/index.php#food';

</script>";

} else {

if (move\_uploaded\_file($recipeImageTmpName, $target\_file)) {

$recipeImage = $recipeImageName;

$stmt = $conn->prepare("INSERT INTO `tbl\_recipe` (`tbl\_recipe\_id`, `tbl\_category\_id`, `recipe\_image`, `recipe\_name`, `recipe\_ingredients`, `recipe\_procedure`) VALUES (NULL, :recipeCategory, :recipeImage, :recipeName, :recipeIngredients, :recipeProcedure)");

$stmt->bindParam(':recipeCategory', $recipeCategory);

$stmt->bindParam(':recipeImage', $recipeImage);

$stmt->bindParam(':recipeName', $recipeName);

$stmt->bindParam(':recipeIngredients', $recipeIngredients);

$stmt->bindParam(':recipeProcedure', $recipeProcedure);

$stmt->execute();

echo "<script>

alert('Sucessfully Added');

window.location.href = 'http://localhost/my-food-recipe/index.php#food';

</script>";

} else {

echo "<script>

alert('Failed');

window.location.href = 'http://localhost/my-food-recipe/index.php#food';

</script>";

}

}

?>

**DELETE RECIPE:**

<?php

include('../conn/conn.php');

if (isset($\_GET['recipe'])) {

$recipeID = $\_GET['recipe'];

// Retrieve the book image filename

$stmt = $conn->prepare("SELECT `recipe\_image` FROM `tbl\_recipe` WHERE `tbl\_recipe\_id` = ?");

$stmt->execute([$recipeID]);

$row = $stmt->fetch();

$recipeImage = $row['recipe\_image'];

// Delete the book from the database

$stmt = $conn->prepare("DELETE FROM `tbl\_recipe` WHERE `tbl\_recipe\_id` = ?");

$stmt->execute([$recipeID]);

// Delete the associated image file

if (!empty($recipeImage)) {

$imagePath = "../uploads/" . $recipeImage;

if (file\_exists($imagePath)) {

unlink($imagePath);

}

}

// Redirect to the page where you want to display the updated book list

echo "<script>

alert('Deleted Successfully');

window.location.href = 'http://localhost/my-food-recipe/index.php#food';

</script>";

exit();

}

?>

**UPDATE RECIPE:**

<?php

include('../conn/conn.php');

$recipeID = $\_POST['tbl\_recipe\_id'];

$updateRecipeName = $\_POST['recipe\_name'];

$updateRecipeCategory = $\_POST['tbl\_category\_id'];

$updateRecipeIngredients = $\_POST['recipe\_ingredients'];

$updateRecipeProcedure = $\_POST['recipe\_procedure'];

// Check if a new image file is uploaded

if ($\_FILES['recipe\_image']['tmp\_name'] != "") {

$targetDir = "../uploads/";

$targetFile = $targetDir . basename($\_FILES['recipe\_image']['name']);

move\_uploaded\_file($\_FILES['recipe\_image']['tmp\_name'], $targetFile);

// Update the recipe information including the image

$stmt = $conn->prepare("UPDATE tbl\_recipe SET recipe\_name = ?, tbl\_category\_id = ?, recipe\_image = ?, recipe\_ingredients = ?, recipe\_procedure = ? WHERE tbl\_recipe\_id = ?");

$stmt->execute([$updateRecipeName, $updateRecipeCategory, $\_FILES['recipe\_image']['name'], $updateRecipeIngredients, $updateRecipeProcedure, $recipeID]);

} else {

// Update the recipe information without changing the image

$stmt = $conn->prepare("UPDATE tbl\_recipe SET recipe\_name = ?, tbl\_category\_id = ?, recipe\_ingredients = ?, recipe\_procedure = ? WHERE tbl\_recipe\_id = ?");

$stmt->execute([$updateRecipeName, $updateRecipeCategory, $updateRecipeIngredients, $updateRecipeProcedure, $recipeID]);

}

// Redirect back to the main page after update

echo "<script>

alert('Updated Successfully');

window.location.href = 'http://localhost/my-food-recipe/index.php#food';

</script>";

exit();

?>

**SCRIPT.JS:**

// switching section

document.querySelectorAll('a[href^="#"]').forEach(anchor => {

anchor.addEventListener('click', function (e) {

e.preventDefault();

document.querySelector(this.getAttribute('href')).scrollIntoView({

behavior: 'smooth'

});

});

});

// view recipe

function view\_recipe(id) {

$("#viewRecipeModal").modal("show");

let viewRecipeName = $("#recipeName-" + id).text();

let viewCategoryName = $("#categoryName-" + id).text();

let viewRecipeImage = $("#recipeImage-" + id).find('img').attr('src');

let viewRecipeIngredients = $("#recipeIngredients-" + id).text();

let viewRecipeProcedure = $("#recipeProcedure-" + id).text();

// Update the modal content with the fetched data

$("#viewRecipeName").text(viewRecipeName);

$("#viewCategoryName").text(viewCategoryName);

$("#viewRecipeImage").attr('src', viewRecipeImage);

$("#viewRecipeIngredients").text(viewRecipeIngredients);

$("#viewRecipeProcedure").text(viewRecipeProcedure);

}

// updating recipe

function update\_recipe(id) {

$("#updateRecipeModal").modal("show");

let updateRecipeID = $("#recipeID-" + id).text();

let updateCategoryName = $("#categoryName-" + id).text();

let updateRecipeImage = $("#recipeImage-" + id).find('img').attr('src');

let updateRecipeName = $("#recipeName-" + id).text();

let updateRecipeIngredients = $("#recipeIngredients-" + id).text();

let updateRecipeProcedure = $("#recipeProcedure-" + id).text();

$("#updateRecipeID").val(updateRecipeID);

$("#updateRecipeCategory option").each(function() {

let category = $(this).text();

if (category === updateCategoryName) {

$(this).prop("selected", true);

return false;

}

});

$("#updateRecipeName").val(updateRecipeName);

$("#updateRecipeIngredients").val(updateRecipeIngredients);

$("#updateRecipeProcedure").val(updateRecipeProcedure);

$("#updateRecipeImage").html(updateRecipeImage);

}

// delete recipe

function delete\_recipe(id) {

if (confirm("Do you confirm to delete this recipe?")) {

window.location = "endpoint/delete-recipe.php?recipe=" + id

}

}

// search

function performSearch() {

var input, filter, table, tr, td, i, txtValue;

input = document.getElementById("searchInput");

filter = input.value.toLowerCase();

table = document.getElementById("foodListTable");

tr = table.getElementsByTagName("tr");

for (i = 0; i < tr.length; i++) {

var nameColumn = tr[i].getElementsByTagName("td")[1]; // Column for Recipe Name

var categoryColumn = tr[i].getElementsByTagName("td")[2]; // Column for Category

if (nameColumn || categoryColumn) {

var nameText = nameColumn.textContent || nameColumn.innerText;

var categoryText = categoryColumn.textContent || categoryColumn.innerText;

if (nameText.toLowerCase().indexOf(filter) > -1 || categoryText.toLowerCase().indexOf(filter) > -1) {

tr[i].style.display = "";

} else {

tr[i].style.display = "none";

}

}

}

}

// Attach an event listener to the search input field

document.getElementById("searchInput").addEventListener("keyup", performSearch);

**STYLE.CSS:**

body {

font-family: Arial, Helvetica, sans-serif;

background-color: rgb(210, 210, 210);

}

.card {

background-color: rgb(240, 240, 240);

}

.main {

height: auto;

}

.carousel-caption {

position: absolute;

top: 15%;

left: 50%;

transform: translateX(-50%);

text-align: center;

width: 100%;

}

.carousel-inner {

height: 45vh;

width: 100%;

}

.caption {

background-color: rgba(0, 0, 0, 0.7);

padding: 10px;

width: 70%;

margin-left: 300px;

}

.caption-p {

font-size: 25px;

}

.carousel-caption {

margin-top: -40px;

}

section {

min-height: 100vh;

}

#category, #food {

display: flex;

align-items: center;

justify-content: center;

}

.card-food-list {

width: 80%;

height: 800px;

border-radius: 20px;

border: none;

padding: 20px;

}

.btn-add-food {

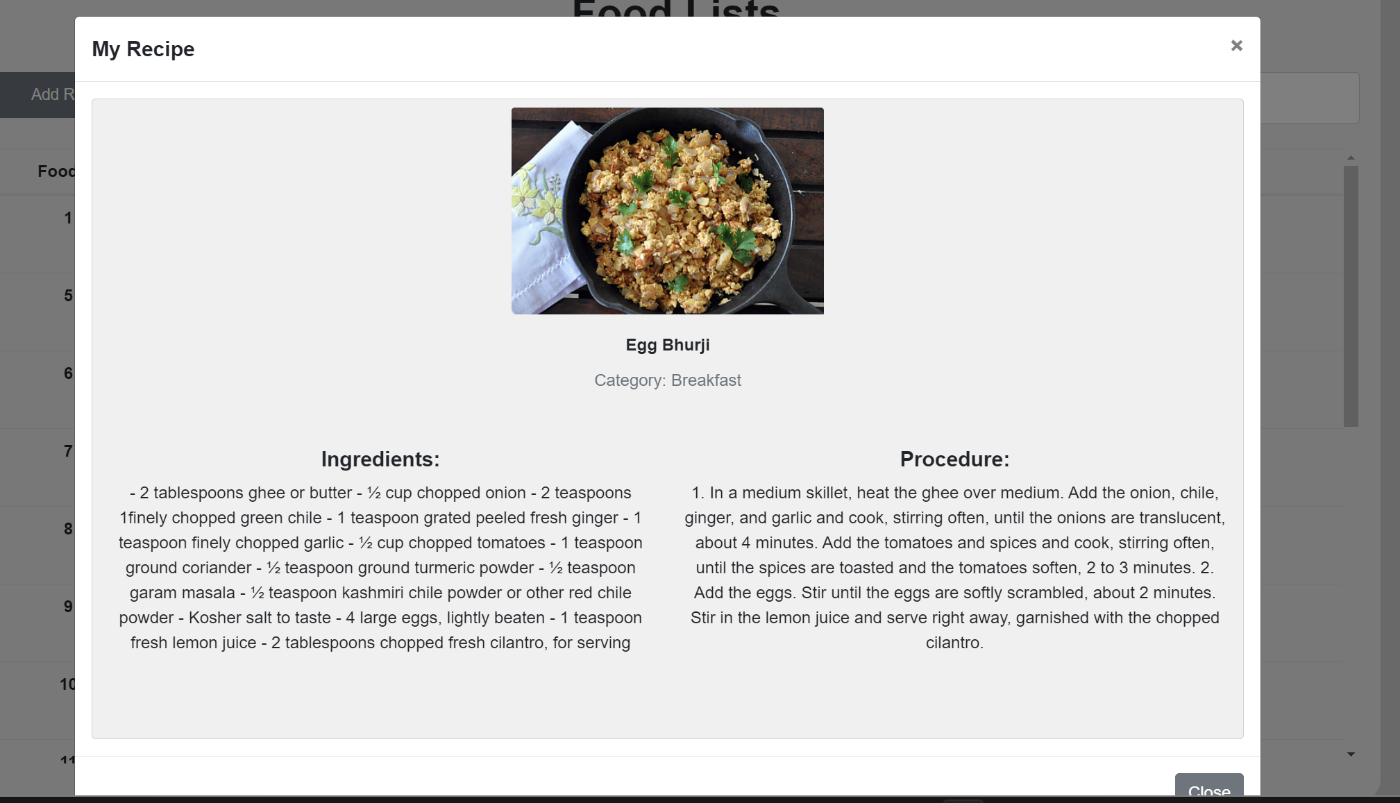
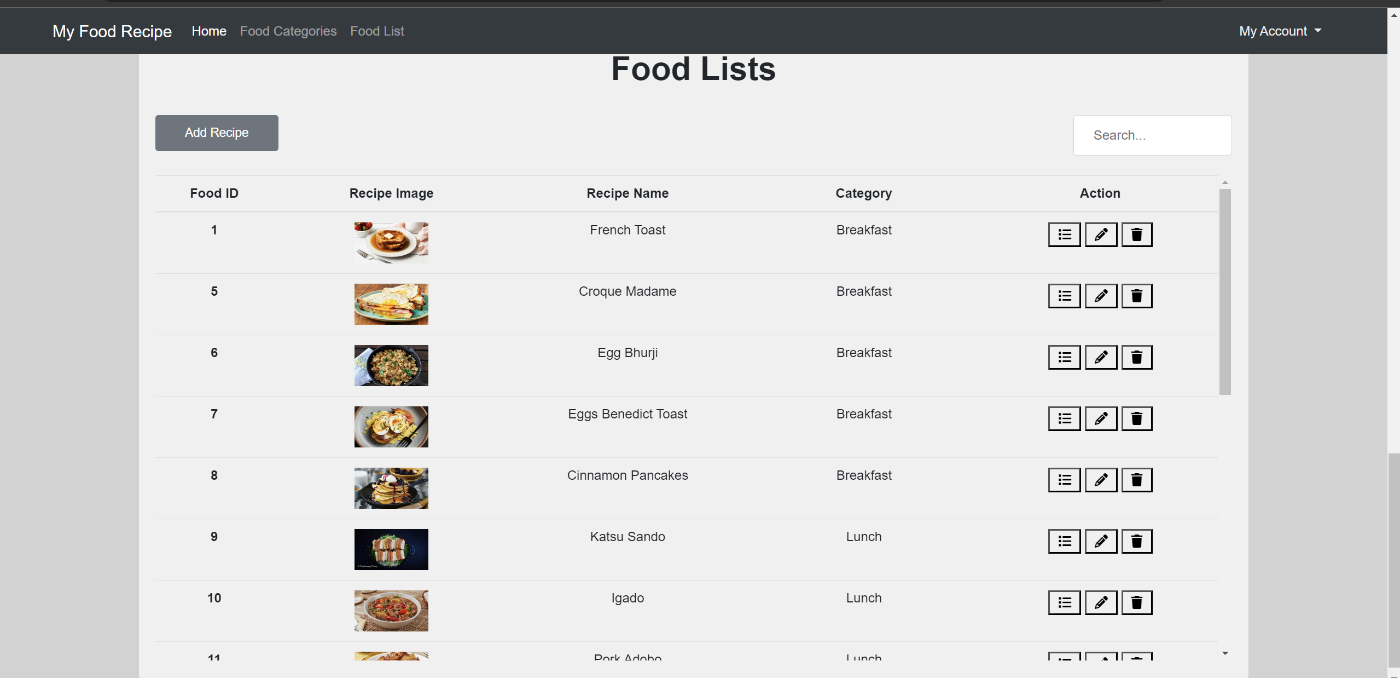
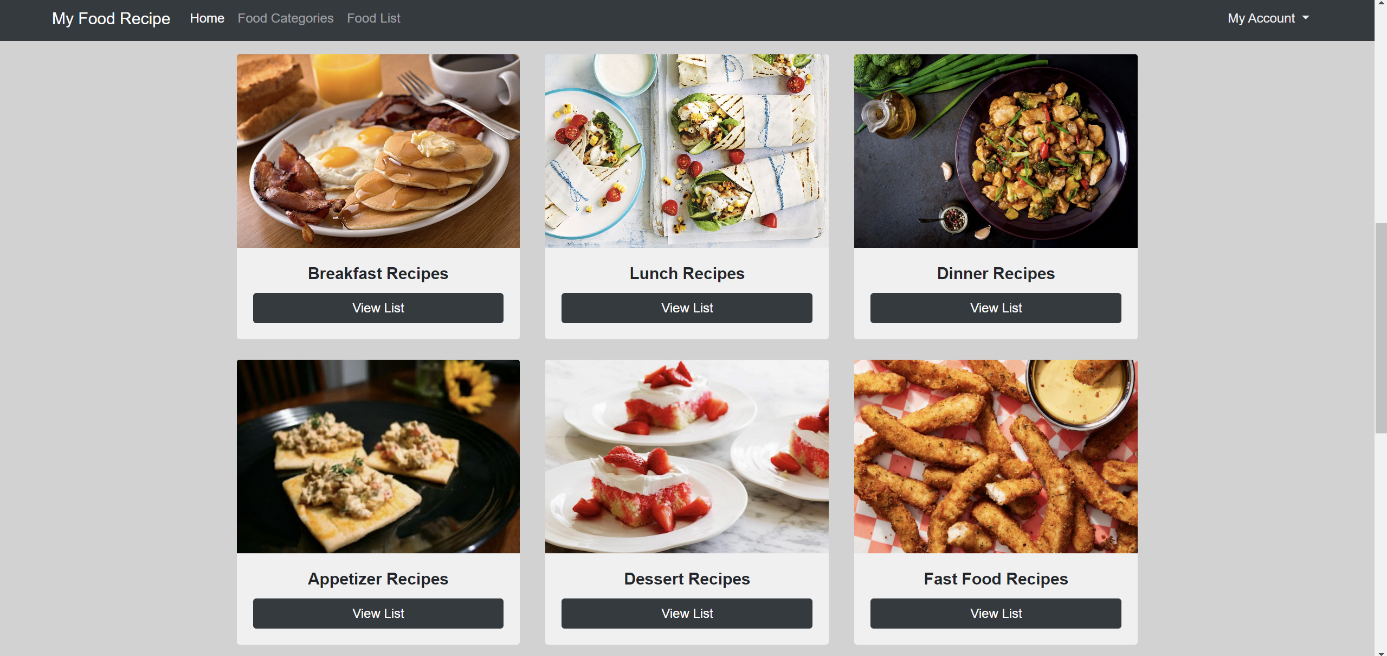
width: 150px !important;

padding: 10px;

font-size: 15px;

}

**8.Result:**

****

### 9. Conclusion:

### "My Food Recipe" enhances recipe management by providing a centralized platform for users to store, organize, and share culinary creations. The application's robust functionality, coupled with a user-friendly interface developed using Visual Studio and supported by XAMPP, empowers users to manage their recipes efficiently

### 9.1 Future Enhancements:

As the Food Recipe Application evolves, several future enhancements can be implemented to elevate user experience and engagement. One major improvement is the integration of advanced search and filtering options. This includes allowing users to search for recipes based on specific ingredients they have, catering to dietary preferences, and providing nutritional information. Such features would make the application more versatile and user-friendly, appealing to a wider audience with varied dietary needs. Additionally, implementing machine learning algorithms for personalized recipe recommendations based on user behaviour and preferences could make the application more intuitive and engaging. Features like saving favourite recipes, creating weekly meal plans, and generating shopping lists would further streamline the cooking process and encourage regular use.

Another significant enhancement is the incorporation of social features to boost user interaction and community building. Enabling users to share recipes on social media, contribute user-generated content, and participate in a rating and review system would foster a vibrant community of food enthusiasts. Organizing cooking challenges and live cooking classes can add an interactive and educational aspect, increasing user engagement. Additionally, integrating with grocery delivery services and fitness tracking apps can enhance the application's utility, allowing users to order ingredients directly or monitor their nutritional intake. Optimizing the application for various devices and implementing voice recognition for hands-free navigation would ensure a seamless user experience. By continuously improving these features, the Food Recipe Application can remain a secure, efficient, and enjoyable platform for all users.

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