

RECIPE WEBSITE

Project Based Learning (PBL) Report

for the course

Web Technologies

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

(2022 – 2026)

BY

Kota Kameshwari Sripriya : 22R11A0523

Somanchi Haritha Vaishnavi : 22R11A0541

Under the Guidance of

P. Chendra Shekhar Reddy



Department of Computer Science and Engineering

Accredited by NBA

Geethanjali College of Engineering and Technology

(UGC Autonomous)

(Affiliated to J.N.T.U.H, Approved by AICTE, New Delhi, Accredited by NBA)

Cheeryal (V), Keesara (M), Medchal.Dist.-501 301.

June-2024

TABLE OF CONTENTS

S.NO	CONTENT	Page no
1	Introduction	4
2	System Design System Requirements	5
3	Implementation 3.1 Main Program Flow 3.2 Source Code 3.3 Output Screens	11
4	Conclusion	52
5	Reference	53

ABSTRACT

RECIPE WEBSITE

Cooking Chronicles is a versatile recipe website designed to provide an enriching experience for culinary enthusiasts. The platform enables users to sign up and log in to access a diverse collection of recipes, complete with detailed instructions. The website aims to cater to a wide range of tastes and preferences, making it suitable for both novice cooks and seasoned chefs. By offering a seamless and user-friendly interface, Cooking Chronicles ensures that users can easily find and follow recipes, fostering a love for cooking and culinary exploration.

Beyond recipes, Cooking Chronicles offers valuable cooking tips and insights, enhancing users' culinary skills. The website also features information about the creators behind the recipes, offering a glimpse into their culinary journeys and inspirations. Additionally, contact information is provided to foster community interaction and support. Cooking Chronicles strives to be a comprehensive resource for culinary enthusiasts, promoting skill development and a sense of community among its users.

Keywords: culinary enthusiasts, recipe collection, cooking tips, creator information, community support

INTRODUCTION

Cooking Chronicles is a comprehensive recipe website designed to cater to all culinary enthusiasts. Our platform offers a seamless experience where users can easily sign up and log in to access a rich database of existing recipes. Whether you're looking to recreate classic dishes or explore new culinary adventures, Cooking Chronicles provides an extensive collection of recipes that cater to diverse tastes and preferences. Each recipe is carefully curated and includes detailed instructions, making it easy for users of all skill levels to follow along and create delicious meals.

Beyond just recipes, Cooking Chronicles is a treasure trove of valuable cooking tips that can enhance your culinary skills and boost your confidence in the kitchen. The website also features information about the creators behind these delightful recipes, offering insights into their culinary journeys and inspirations. For users seeking further engagement or assistance, the contact information is readily available, ensuring that Cooking Chronicles remains an interactive and supportive community. Whether you are a novice cook or a seasoned chef, Cooking Chronicles is your go-to source for all things culinary, promising a delightful and enriching experience for all.

SYSTEM DESIGN

Hardware Configuration

- Processor: A modern CPU capable of efficiently handling web server requests and database operations.
- Memory: Adequate RAM to support web server, database, and concurrent user sessions without performance issues.
- Storage: Sufficient storage space to store the website codebase, user data, recipe data, images, and other necessary resources.
- Network: Reliable network hardware to ensure stable and fast internet connectivity for both server hosting and user access.

Software Configuration

- Operating System: Any modern operating system compatible with XAMPP, such as Windows, macOS, or Linux.
- Web Server: Apache, provided by XAMPP, for handling HTTP requests and serving web pages.
- Database Server: MySQL, provided by XAMPP, for managing user data, recipes, cooking tips, and other database-related tasks.
- Application Server: Tomcat, provided by XAMPP, for running Java-based web applications if needed for advanced features.
- Programming Languages:
 - PHP for server-side scripting and handling user interactions.
 - HTML, CSS, and JavaScript for front-end development.
 - SQL for database queries and management.
- Development Environment: A suitable IDE or text editor for writing and debugging code. Examples include Visual Studio Code, PHPStorm, or Sublime Text.

Additional Software

- XAMPP (includes Apache, MySQL, and PHP) for an all-in-one solution for web development.
- PHPMysqlAdmin for managing MySQL databases through a web interface.
- SSL/TLS for securing data transmission (recommended for production environments).
- Version Control System (e.g., Git) for managing code changes and collaboration.

Backend Design

The backend design focuses on the database schema, server-side logic, and security measures:

Database Schema:

The database schema for Cooking Chronicles includes the following table:

User Table:

Fields:

user_id (Primary Key): Unique identifier for each user.

username: User's chosen username (unique).

email: User's email address (unique).

password: Hashed password for user authentication.

created_at: Timestamp indicating when the user account was created.

This User Table schema allows for secure storage and management of user accounts within the Cooking Chronicles website.

Server-Side Logic:

PHP scripts handle user requests, interact with the database, and generate dynamic web pages.

SQL queries are used to retrieve, insert, update, and delete data from the database.

Security Measures:

- User passwords are hashed before storage to ensure security.
- HTTPS is used to encrypt data transmission between the client and server.
- Regular security audits and updates are conducted to protect against vulnerabilities.
- Input validation and prepared statements are used to prevent SQL injection attacks.
- By integrating these components, Cooking Chronicles provides a robust, secure, and user-friendly platform for culinary enthusiasts to explore and enjoy a wide range of recipes and cooking tips.

SYSTEM REQUIREMENTS

Web-Based

This recipe website runs in a web browser and does not require installation on a specific computer. The browser uses the computer's resources to run the website, and the requirements will vary depending on the browser and computer.

Low Resource Requirements

The website is designed to be lightweight and should not require significant processing power, memory, or graphics capabilities. Any modern computer with an internet connection should be able to run it efficiently.

Software Requirements

Web Browser:

A modern web browser (e.g., Chrome, Firefox, Safari, Edge) is needed to view the HTML, CSS, and JavaScript code and use the website.

Text Editor / IDE:

Any code editor or integrated development environment that supports HTML, CSS, and JavaScript would be suitable for development. Examples include Visual Studio Code, Sublime Text, Atom, etc.

Hardware Requirements

Operating System:

The website would likely run on various operating systems, including Windows, Linux, and macOS, depending on the chosen development environment and target audience.

Processor:

A standard processor is sufficient as the website's functionality is not computationally intensive.

Memory (RAM):

The memory usage would be minimal, enough to run the browser and the website itself. Modern computers have more than enough RAM for this purpose. Total estimated RAM usage would be sufficient to handle multiple open tabs and dynamic content loading.

Storage:

Minimal disk space is needed to store the HTML, CSS, and JavaScript files. Additional storage may be required for media files (images, videos) used on the website.

Input Devices:

A keyboard and mouse are standard for user interaction. Touchscreen support is beneficial for mobile devices and tablets.

Display:

A standard display with a web browser is sufficient. The website should be responsive and optimized for various screen sizes and resolutions.

Development Environment**Web Browser (for development):**

A modern web browser is needed during development to view the HTML, CSS, and JavaScript code and test the functionality in the browser environment.

Text Editor / IDE:

Visual Studio Code, Sublime Text, Atom, or any other suitable editor for writing and managing code.

Version Control System (optional but recommended):

Git or any other version control system to manage code changes and collaborate with other developers.

Additional Considerations**Network Requirements:**

A stable internet connection is necessary for accessing the website, especially for loading external resources (e.g., fonts, scripts) and making API requests.

Browser Compatibility:

Ensure compatibility with major web browsers and their latest versions to provide a consistent user experience.

Performance Optimization:

Optimize images, scripts, and stylesheets to ensure fast loading times and a smooth user experience.

Security:

Implement HTTPS for secure data transmission and follow best practices for securing user data and preventing vulnerabilities.

Summary

The recipe website is designed to be lightweight and accessible on various devices and operating systems. Minimal hardware and software requirements ensure that it can run efficiently on modern computers with standard configurations. This breakdown covers the essential system requirements for a recipe website built using HTML, CSS, and JavaScript.

MODULES

1. About Us (About the Creators):

- Provides information about the creators of Cooking Chronicles, including their backgrounds and inspirations.

2. Recipes:

- Displays a list of available recipes.
- Allows users to select recipes to view details such as ingredients, preparation steps, and cooking tips.

3. Cooking Tips:

- Provides useful cooking tips categorized by type (e.g., kitchen hacks, ingredient substitutions).
- Users can click on tips to view detailed information and advice.

4. Contact:

- Offers contact information for users to reach out with inquiries or feedback.
- Includes a contact form for users to submit messages directly through the website.

5. Recipe Module:

- Displays individual recipe pages with details like ingredients, preparation steps, and cooking time.
- Includes navigation to related recipes and tips.

6. Search Bar:

- Allows users to search for specific recipes.
- Provides error messages when no matching recipes are found, guiding users to refine their search queries.

These modules collectively enhance the user experience on Cooking Chronicles by providing comprehensive information, interactive features, and easy navigation throughout the website.

IMPLEMENTATION

HTML

Defines the structure of the recipe website interface, including recipe listings, detailed recipe pages, and various informational sections.

CSS

Styles the recipe website interface, making it visually appealing and user-friendly.

JavaScript

Handles the website logic, including recipe management, user interactions, and search functionality.

HTML Elements

Structure the user interface, including recipe listings, detailed recipe pages, cooking tips, and user account management.

CSS Styles

Ensure the visual representation of the website is intuitive, responsive, and aesthetically pleasing.

JavaScript

Handles the core functionality of the website, including:

1. **Recipe Management:** Loads and displays recipe information.
2. **User Interactions:** Manages user interactions such as viewing detailed recipes and searching for recipes.
3. **User Account Management:** Manages user login, registration, and profile updates.

HTML

Defines the main sections of the recipe website:

- **Navigation Bar:** Includes links to different sections of the website, such as Home, About Us, Recipes, Cooking Tips, and Contact Us.
- **Search Bar:** Allows users to search for recipes.
- **Recipe Listings:** Displays recipes with images, descriptions, and ingredients.
- **Recipe Details Page:** Shows detailed information about a selected recipe.
- **About Us:** Provides information about the creators of the website.
- **Contact Us:** Provides contact information and a form for users to reach out.
- **Cooking Tips:** Displays various cooking tips and advice for users.

MAIN PROGRAM FLOW

1. Load Initial Data

- Load initial recipe data from a local array or an external API.
- Initialize the user interface with recipe listings, navigation bar, search bar, and user account sections.

2. Display Recipe Listings

- Show recipe listings with options to view details, save to favorites, and filter/sort recipes.
- Handle user actions such as searching for recipes, filtering by category, and sorting by popularity or rating.

3. Recipe Details

- Allow users to click on a recipe to view detailed information.
- Provide options to save the recipe to favorites or share it on social media.

4. Favourites

- Enable users to add recipes to their favourites list.
- Update the favourites display with the added recipes.

5. Navigation Bar

- Provide links to different sections of the website such as Home, About Us, Recipes, Cooking Tips, and Contact Us.
- Include a search bar for users to search for specific recipes.

6. Login and Signup

- Allow users to register and log in.
- Store usernames and passwords in a database and verify them during login.

7. User Account Management

- Enable users to view their saved recipes, manage personal information, and update their profile.

8. Allow users to share their own recipes.

- Collect necessary information such as recipe name, ingredients, steps, and an optional image.
- Validate user inputs to ensure all required fields are completed.

9. User Profile

- Allow users to create and manage their profiles.
- Enable users to update their personal information and manage saved recipes.

10. About Us

- Provide information about the creators of the website.

11. Contact Us

- Provide contact information and a form for users to reach out.

12. Cooking Tips

- Display various cooking tips and advice for users.

13. Defines the main sections of the recipe website:

- Navigation Bar: Includes links to different sections of the website, such as Home, About Us, Recipes, Cooking Tips, and Contact Us.
- Search Bar: Allows users to search for recipes.
- Recipe Listings: Displays recipes with images, descriptions, and ingredients.
- Recipe Details Page: Shows detailed information about a selected recipe.
- About Us: Provides information about the creators of the website.
- Contact Us: Provides contact information and a form for users to reach out.
- Cooking Tips: Displays various cooking tips and advice for users.
- User Account Pages: Allows users to register, log in, view their saved recipes, and manage personal information.

SOURCE CODE

Login.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Log In - Cooking Chronicles</title>

  <style>

    body {

      font-family: 'Roboto', sans-serif;

      margin: 0;

      padding: 0;

      background-color: #e0f7fa;

      color: #008080;

      display: flex;

      justify-content: center;

      align-items: center;

      height: 100vh;

    }

    .container {

      background-color: #fff;
```

```
padding: 40px;

border-radius: 10px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

text-align: center;

max-width: 400px;

width: 100%;

}
```

```
.container h2 {

    font-family: 'Merriweather', serif;

    font-weight: 700;

    color: #960018;

    margin-bottom: 20px;

    font-size: 28px;

}
```

```
.container form {

    display: flex;

    flex-direction: column;

}
```

```
.container input[type="text"],

.container input[type="password"] {

    padding: 10px;

    margin: 10px 0;
```



```
border: 1px solid #ddd;

border-radius: 5px;

font-size: 16px;
}

.container button {

padding: 10px;

font-size: 16px;

border: none;

border-radius: 5px;

cursor: pointer;

transition: background 0.3s ease;

color: white;

background-color: #ff7f50; /* Coral */
}

.container button:hover {

background-color: #ff6347; /* Tomato */
}

.container a {

color: #960018;

text-decoration: none;

margin-top: 10px;

display: block;
```

```

    }

</style>

</head>

<body>

    <div class="container">

        <h2>Log In to Cooking Chronicles</h2>

        <form action="login.php" method="POST">

            <input type="text" name="username" placeholder="Username" required>

            <input type="password" name="password" placeholder="Password" required>

            <button type="submit">Log In</button>

            <a href="signup.html">Don't have an account? Sign Up</a>

        </form>

    </div>

</body>

</html>

```

Login.php

```

<?php

// Include the database configuration file

require 'config.php';

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $username = $_POST['username'];

    $password = $_POST['password'];

    // Prepare the SQL statement

```

```

$sql = "SELECT * FROM users WHERE username = '$username' AND password = '$password'";

$result = $conn->query($sql);

// Check if a row is returned (valid credentials)

if ($result->num_rows > 0) {

    // Redirect to trail.html

    header('Location: trial.html');

    exit;

} else {

    echo "Invalid username or password.";

}

// Close the result

$result->close();

}

// Close the connection

$conn->close();

?>

```

Signup.html

```

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

```

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

```
<title>Sign Up - Cooking Chronicles</title>
```

```
<style>
```

```
body {
```

```
    font-family: 'Roboto', sans-serif;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    background-color: #e0f7fa;
```

```
    color: #008080;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
}
```

```
.container {
```

```
    background-color: #fff;
```

```
    padding: 40px;
```

```
    border-radius: 10px;
```

```
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
```

```
    text-align: center;
```

```
    max-width: 400px;
```

```
    width: 100%;
```

```
}
```

```
.container h2 {  
  
    font-family: 'Merriweather', serif;  
  
    font-weight: 700;  
  
    color: #960018;  
  
    margin-bottom: 20px;  
  
    font-size: 28px;  
  
}
```

```
.container form {  
  
    display: flex;  
  
    flex-direction: column;  
  
}
```

```
.container input[type="text"],  
.container input[type="email"],  
.container input[type="password"] {  
  
    padding: 10px;  
  
    margin: 10px 0;  
  
    border: 1px solid #ddd;  
  
    border-radius: 5px;  
  
    font-size: 16px;  
  
}
```

```
.container button {  
  
    padding: 10px;
```

```
font-size: 16px;

border: none;

border-radius: 5px;

cursor: pointer;

transition: background 0.3s ease;

color: white;

background-color: #ff7f50; /* Coral */

}
```

```
.container button:hover {

    background-color: #ff6347; /* Tomato */

}
```

```
.container a {

    color: #960018;

    text-decoration: none;

    margin-top: 10px;

    display: block;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<h2>Sign Up for Cooking Chronicles</h2>
```

```
<form action="signup.php" method="POST">
```

```
<input type="text" name="username" placeholder="Username" required>

<input type="email" name="email" placeholder="Email" required>

<input type="password" name="password" placeholder="Password" required>

<button type="submit">Sign Up</button>

<a href="login.html">Already have an account? Login</a>

</form>

</div>

</body>

</html>
```

Signup.php

```
<?php

// Include the database configuration file

require 'config.php';

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $username = $_POST['username'];

    $email = $_POST['email'];

    $password = $_POST['password']; // Plain text password


    // Prepare and bind

    $stmt = $conn->prepare("INSERT INTO users (username, email, password) VALUES (?, ?, ?)");

    $stmt->bind_param("sss", $username, $email, $password);


    // Execute the statement
```

```

if ($stmt->execute()) {

    echo "Sign up successful. <a href='login.html'>Log in</a>";

} else {

    echo "Error: " . $stmt->error;

}


// Close the statement

$stmt->close();

}


// Close the connection

$conn->close();

?>

```

Config.php

```

<?php

$servername = "localhost";

$username = "root";

$password = ""; // Assuming your root password is empty

$dbname = "login_system";


// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);


// Check connection

if ($conn->connect_error) {

```



```
die("Connection failed: " . $conn->connect_error);

}

?>
```

MainIndex.html

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Cooking Chronicles</title>

    <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&family=Merriweather:wght@700&display=s
wap" rel="stylesheet">

    <style>

        body {

            font-family: 'Roboto', sans-serif;

            margin: 0;

            padding: 0;

            background-color: #e0f7fa;

            color: #008080;

        }

        .header {

            background-color: #960018;

            color: white;

            text-align: center;
```

```
padding: 100px 20px;

position: relative;

}
```

```
.header h1, .header p {

    position: relative;

    z-index: 1;

    margin: 0;

}
```

```
.header h1 {

    font-size: 50px;

    font-family: 'Merriweather', serif;

    font-weight: 700;

    text-transform: uppercase;

}
```

```
.header p {

    font-size: 20px;

    font-weight: 400;

    margin-top: 10px;

}
```

```
.nav {

    background-color: #ff8c00; /* Dark Orange */

    overflow: hidden;

    text-align: center;
```

```
padding: 10px 0;

}

.nav a {

    display: inline-block;

    font-size: 18px;

    font-weight: 500;

    padding: 14px 20px;

    text-decoration: none;

    transition: background 0.3s ease;

    cursor: pointer;

    color: #fff; /* White */

}

.nav a:hover {

    background-color: #ff7043; /* Coral */

}

.search-bar {

    margin: 20px auto;

    text-align: center;

}

.search-bar input[type="text"] {

    width: 60%;

    max-width: 600px;

    padding: 10px;
```

```
font-size: 16px;

border: 1px solid #ddd;

border-radius: 5px;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

}
```

```
.search-bar button {

padding: 10px 20px;

font-size: 16px;

border: none;

background-color: #ff7f50; /* Coral */

color: white;

border-radius: 5px;

cursor: pointer;

transition: background 0.3s ease;

}
```

```
.search-bar button:hover {

background-color: #ff6347; /* Tomato */

}
```

```
.featured-recipes {

display: flex;

flex-wrap: wrap;

justify-content: space-around;

padding: 40px 20px;

max-width: 1200px;
```

```
margin: 0 auto;

}

.recipe {

background-color: #fff;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

text-align: center;

width: 22%;

min-width: 250px;

margin: 20px 10px;

border-radius: 10px;

overflow: hidden;

transition: transform 0.3s ease, box-shadow 0.3s ease;

border: 1px solid #ddd;

}

.recipe img {

width: 100%;

height: auto;

transition: transform 0.3s ease;

}

.recipe img:hover {

transform: scale(1.05);

}

.recipe h3 {
```

```
padding: 20px 10px;

font-family: 'Merriweather', serif;

font-weight: 700;

font-size: 22px;

color: #333;

}


.recipe p {

padding: 0 10px 20px;

font-size: 16px;

color: #666;

}


.recipe:hover {

transform: translateY(-10px);

box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);

}


.footer {

background-color: #ff8c00; /* Dark Orange */

color: white;

text-align: center;

padding: 20px 0;

margin-top: 40px;

}


.footer p {
```

```
margin: 0;

font-size: 14px;

}
```

```
.auth-links {

margin: 20px 0;

text-align: center;

}
```

```
.auth-links a {

color: #960018;

font-weight: 700;

text-decoration: none;

margin: 0 10px;

}
```

```
/* Cookie consent */
```

```
.cookie-consent {

background-color: rgba(0, 0, 0, 0.8);

color: white;

position: fixed;

bottom: 0;

left: 0;

width: 100%;

padding: 10px 0;

text-align: center;

display: none;
```

```
}
```

```
.cookie-consent p {
```

```
    margin: 0;
```

```
}
```

```
.cookie-consent button {
```

```
    background-color: #ff7f50;
```

```
    color: white;
```

```
    border: none;
```

```
    padding: 5px 10px;
```

```
    border-radius: 5px;
```

```
    cursor: pointer;
```

```
    margin-top: 10px;
```

```
}
```

```
.cookie-consent button:hover {
```

```
    background-color: #ff6347;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
  <div class="header">
```

```
    <h1>Cooking Chronicles</h1>
```

```
    <p>Daily New Recipes and Cooking Tips</p>
```

```
  </div>
```

```
  <div class="nav">
```



```
<a href="#featured-recipes">Recipes</a>

<a href="about.html">About Us</a>

<a href="cookingtips.html">Cooking Tips</a>

<a href="contact.html">Contact</a>

</div>

<div class="auth-links" id="auth-links">

  <a href="#">Login</a>

  <a href="#">Sign Up</a>

</div>

<div class="search-bar">

  <form id="search-form">

    <input id="search-input" type="text" placeholder="Search for recipes...">

    <button type="submit">Search</button>

  </form>

</div>

<div id="featured-recipes" class="featured-recipes">

  <!-- Recipes will be dynamically added here -->

</div>

<div class="footer">

  <p>&copy; 2024 Cooking Chronicles. All rights reserved.</p>

</div>

<div id="cookie-consent" class="cookie-consent">

  <p>This website uses cookies to ensure you get the best experience on our website.</p>

  <button onclick="acceptCookies()">Accept</button>

</div>
```

```
<script src="scripts.js"></script>
```

```
<script>
```

```
// Define the recipes array here or fetch from a server/API
```

```
const recipes = [
```

```
{
```

```
  "title": "Cookies",
```

```
  "image": "cookies.jpg",
```

```
  "url": "cookies.html",
```

```
  "description": "Delicious homemade cookies recipe."
```

```
},
```

```
{
```

```
  "title": "Soup",
```

```
  "image": "soup.jpg",
```

```
  "url": "soup.html",
```

```
  "description": "Warm and hearty soup for cold days."
```

```
},
```

```
{
```

```
  "title": "Pasta",
```

```
  "image": "pasta.jpg",
```

```
  "url": "pasta.html",
```

```
  "description": "Classic pasta recipe with a twist."
```

```
},
```

```
{
```

```
  "title": "Spaghetti",
```

```
  "image": "spaghetti.jpg",
```

```
  "url": "spaghetti.html",
```

```
  "description": "Easy spaghetti recipe for a quick meal."
```

```

    }

];

// Update auth links based on login state

const isLoggedIn = false; // Change to true if logged in

const authLinksContainer = document.getElementById('auth-links');

if (isLoggedIn) {

    authLinksContainer.innerHTML = `

        <a href="#">Profile</a>

        <a href="#">Logout</a>

    `;

} else {

    authLinksContainer.innerHTML = `

        <a href="login.html">Login</a>

        <a href="signup.html">Sign Up</a>

    `;

}


// Cookie consent functionality

const cookieConsent = document.getElementById('cookie-consent');

const cookieAccepted = localStorage.getItem('cookieAccepted');

if (!cookieAccepted) {

    cookieConsent.style.display = 'block';

```

```

}

function acceptCookies() {

  localStorage.setItem('cookieAccepted', true);

  cookieConsent.style.display = 'none';

}

// Function to display recipes

const recipeContainer = document.getElementById('featured-recipes');

function displayRecipes(recipes) {

  recipeContainer.innerHTML = "";

  recipes.forEach(recipe => {

    const recipeCard = `

      <div class="recipe">

        <a href="${recipe.url}"><h3>${recipe.title}</h3></a>

        <p>${recipe.description}</p>

      </div>

    `;

    recipeContainer.innerHTML += recipeCard;

  });

}

// Initial display of recipes

displayRecipes(recipes);

```

```
// Search functionality

const searchForm = document.getElementById('search-form');

searchForm.addEventListener('submit', function(event) {

    event.preventDefault();

    const searchInput = document.getElementById('search-input').value.toLowerCase();

    const foundRecipe = recipes.find(recipe => recipe.title.toLowerCase() === searchInput);

    if (foundRecipe) {

        window.location.href = foundRecipe.url;

    } else {

        alert('Recipe not found');

    }

});

</script>

</body>

</html>
```

Cookies.html //One of the Recipe Pages

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Chocolate Chip Cookies Recipe</title>
```

```
<style>

body {

    background-color: beige;

    margin: 0;

    padding: 0;

    font-family: Arial, sans-serif;

}

.container {

    max-width: 800px;

    margin: 50px auto;

    padding: 20px;

    border: 2px solid #654321; /* Brown border */

    border-radius: 10px;

    text-align: center;

}

h1 {

    color: #654321; /* Brown color */

    font-size: 48px;

    font-weight: bold;

}

h2 {

    font-size: 28px;

    font-weight: bold;

    text-align: left;

}
```

```
p {  
    font-size: 18px;  
    margin-bottom: 10px;  
}  
  
ul {  
    text-align: left;  
    margin: 0;  
    padding: 0;  
    list-style-type: none;  
}  
  
li {  
    font-size: 18px;  
    margin-bottom: 5px;  
}  
  
.step {  
    background-color: #f0e68c; /* Light goldenrod yellow */  
    padding: 10px;  
    margin-bottom: 15px;  
    border-radius: 5px;  
    text-align: left;  
}  
  
</style>  
  
</head>  
  
<body>  
  
    <div class="container">
```

<h1>CHOCOLATE CHIP COOKIES</h1>

<div>

</div>

<h2>Ingredients:</h2>

1 cup all-purpose flour

1/2 cup unsalted butter, softened

1/2 cup brown sugar

1/4 cup white sugar

1 egg

1 teaspoon vanilla extract

1/2 teaspoon baking soda

1/4 teaspoon salt

1 cup chocolate chips

<h2>Recipe:</h2>

<div class="step">

<p>Step 1:</p>

<p>Cream together butter, brown sugar, and white sugar until smooth. Beat in the egg and vanilla extract until well blended.</p>

</div>

<div class="step">

<p>Step 2:</p>

<p>In a separate bowl, combine flour, baking soda, and salt. Gradually add the dry ingredients to the wet ingredients and mix until just combined. Fold in chocolate chips.</p>

</div>

<div class="step">

<p>Step 3:</p>

<p>Drop dough by rounded spoonfuls onto ungreased baking sheets. Bake at 350°F (175°C) for 8 to 10 minutes or until lightly golden. Allow cookies to cool on baking sheet for 5 minutes before transferring to a wire rack to cool completely.</p>

</div>

<div class="step">

<p>Step 4:</p>

<p>Enjoy your delicious homemade chocolate chip cookies!</p>

</div>

</div>

</body>

</html>

CookingTips.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Cooking Tips - Cooking Chronicles</title>

```
<link  
href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&family=Merriweather:wght@700  
&display=swap" rel="stylesheet">
```

```
<style>
```

```
body {  
  
    font-family: 'Roboto', sans-serif;  
  
    margin: 0;  
  
    padding: 0;  
  
    background-color: #f0f8ff;  
  
    color: #333;  
  
}
```

```
.header {  
  
    background-color: #960018;  
  
    color: white;  
  
    text-align: center;  
  
    padding: 50px 20px;  
  
    position: relative;  
  
}
```

```
.header h1 {  
  
    font-size: 40px;  
  
    font-family: 'Merriweather', serif;  
  
    font-weight: 700;  
  
    text-transform: uppercase;  
  
    margin: 0;
```

```
}
```

```
.nav {
```

```
    background-color: #ff8c00; /* Dark Orange */
```

```
    overflow: hidden;
```

```
    text-align: center;
```

```
    padding: 10px 0;
```

```
}
```

```
.nav a {
```

```
    display: inline-block;
```

```
    font-size: 18px;
```

```
    font-weight: 500;
```

```
    padding: 14px 20px;
```

```
    text-decoration: none;
```

```
    transition: background 0.3s ease;
```

```
    cursor: pointer;
```

```
    color: #fff; /* White */
```

```
}
```

```
.nav a:hover {
```

```
    background-color: #ff7043; /* Coral */
```

```
}
```

```
.tips-container {
```

```
padding: 50px 20px;

max-width: 1200px;

margin: 50px auto;

background-color: #fff;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

border-radius: 10px;

}
```

```
.tips-container h2 {

    font-family: 'Merriweather', serif;

    font-size: 36px;

    color: #333;

    text-align: center;

    margin-bottom: 40px;

}
```

```
.tip {

    display: flex;

    flex-direction: column;

    align-items: center;

    margin-bottom: 30px;

}
```

```
.tip img {

    width: 100%;

}
```

```
max-width: 500px;

height: auto;

border-radius: 10px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

margin-bottom: 20px;

}
```

```
.tip h3 {

    font-family: 'Merriweather', serif;

    font-size: 24px;

    color: #333;

    margin-bottom: 10px;

}
```

```
.tip p {

    font-size: 16px;

    color: #666;

    text-align: center;

    max-width: 800px;

}
```

```
.footer {

    background-color: #ff8c00; /* Dark Orange */

    color: white;

    text-align: center;
```

```
padding: 20px 0;

margin-top: 40px;

}
```

```
.footer p {

margin: 0;

font-size: 14px;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="header">
```

```
<h1>Cooking Tips</h1>
```

```
<div class="nav">
```

```
<a href="trial.html">Home</a>
```

```
</div>
```

```
<div class="tips-container">
```

```
<h2>Top Cooking Tips to Elevate Your Culinary Skills</h2>
```

```
<div class="tip">
```

```

```

<h3>1. Always Preheat Your Pan</h3>

<p>Preheating your pan ensures that your food cooks evenly and helps to develop a nice sear on meats and vegetables. It's an essential step to get the best results in your cooking.</p>

</div>

<div class="tip">

<h3>2. Season As You Go</h3>

<p>Don't wait until the end to season your dishes. Adding salt and other seasonings at various stages of cooking allows the flavors to develop and penetrate the ingredients, resulting in a more flavorful dish.</p>

</div>

<div class="tip">

<h3>3. Use Fresh Herbs</h3>

<p>Fresh herbs can make a significant difference in your cooking. They add vibrant flavors and a touch of color to your dishes. Be sure to add them towards the end of cooking to preserve their freshness.</p>

</div>

<div class="tip">

<h3>4. Invest in Quality Knives</h3>

<p>A good set of knives is one of the most important tools in the kitchen. Sharp, high-quality knives make food preparation easier, safer, and more enjoyable. Regularly sharpen your knives to maintain their performance.</p>

</div>

<div class="tip">

<h3>5. Don't Be Afraid to Experiment</h3>

<p>Some of the best recipes come from experimenting and trying new things. Don't be afraid to get creative and explore different ingredients and cooking techniques. It's how you find your own unique cooking style.</p>

</div>

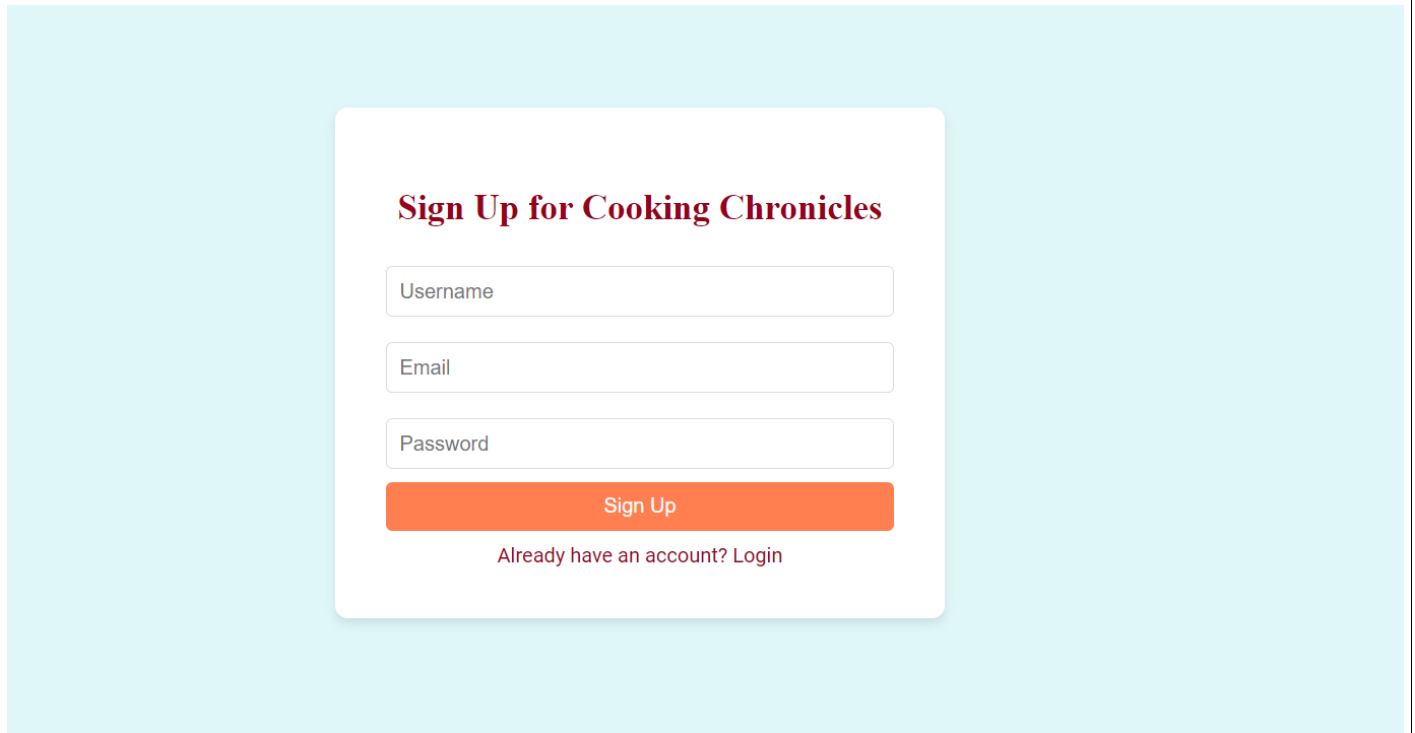
</div>

<div class="footer">

<p>© 2024 Cooking Chronicles. All rights reserved.</p>

</div>

OUTPUT



The image shows a sign-up form for 'Cooking Chronicles' centered on a light blue background. The form is contained within a white rounded rectangle with a subtle drop shadow. At the top of the form is the title 'Sign Up for Cooking Chronicles' in a dark red, serif font. Below the title are three input fields: 'Username', 'Email', and 'Password', each with a light gray border and placeholder text. These fields are stacked vertically. Below the 'Password' field is an orange button with the text 'Sign Up' in white. At the bottom of the form, there is a link that reads 'Already have an account? Login' in a small, dark gray font.

Fig.1 : Signup Page

Log In to Cooking Chronicles

Log In

Don't have an account? [Sign Up](#)

Fig.2 : Login Page

COOKING CHRONICLES

Daily New Recipes and Cooking Tips

[Recipes](#) [About Us](#) [Cooking Tips](#) [Contact](#)

[Login](#) [Sign Up](#)

Search



[Cookies](#)

Delicious homemade cookies recipe.



[Soup](#)

Warm and hearty soup for cold days.



[Pasta](#)

Classic pasta recipe with a twist.



[Spaghetti](#)

Easy spaghetti recipe for a quick meal.

© 2024 Cooking Chronicles. All rights reserved.

Fig.3 : Main Page

CHOCOLATE CHIP COOKIES



Ingredients:

1 cup all-purpose flour
1/2 cup unsalted butter, softened
1/2 cup brown sugar

1 cup chocolate chips

Recipe:

Step 1:

Cream together butter, brown sugar, and white sugar until smooth. Beat in the egg and vanilla extract until well blended.

Step 2:

In a separate bowl, combine flour, baking soda, and salt. Gradually add the dry ingredients to the wet ingredients and mix until just combined. Fold in chocolate chips.

Step 3:

Drop dough by rounded spoonfuls onto ungreased baking sheets. Bake at 350°F (175°C) for 8 to 10 minutes or until lightly golden. Allow cookies to cool on baking sheet for 5 minutes before transferring to a wire rack to cool completely.

Step 4:

Enjoy your delicious homemade chocolate chip cookies!

Fig.4 : Cookies

CONCLUSION

In conclusion, Recipe Chronicles provides a robust and user-friendly platform tailored for culinary enthusiasts to explore, share, and discover a diverse range of recipes. Through its intuitive interface and comprehensive functionality, users can seamlessly navigate recipe listings, delve into detailed recipe information, and interact with a dynamic community of fellow cooking enthusiasts.

The website's key features include a versatile navigation system with easy access to recipe categories, a responsive search functionality for locating specific recipes, and personalized user account management for saving favorite recipes and managing profile details. Additionally, Recipe Chronicles fosters engagement through features such as recipe sharing, cooking tips, and informative sections like About Us and Contact Us.

Powered by HTML, CSS, and JavaScript, Recipe Chronicles ensures a visually appealing and efficient user experience. By integrating these elements, the website not only facilitates seamless recipe browsing and management but also supports robust user interactions and intuitive navigation throughout the platform.

Whether users are exploring new culinary inspirations, sharing their own recipes, or seeking practical cooking advice, Recipe Chronicles stands as a comprehensive resource designed to enrich and inspire every aspect of their culinary journey.

2. REFERENCES

- "HTML Tutorial." Accessed June 1, 2023. <https://www.w3schools.com/html/>.
- Mozilla Developer Network (MDN). "CSS: Cascading Style Sheets." Accessed June 1, 2023. <https://developer.mozilla.org/en-US/docs/Web/CSS>.
- Mozilla Developer Network (MDN). "JavaScript Guide." Accessed June 1, 2023. <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide>.
- GeeksforGeeks. "Introduction to Web Development." Accessed June 1, 2023. <https://www.geeksforgeeks.org/web-development/>.