

COOK BOOK

Project report in partial fulfillment of the requirement for the award of the degree of
Bachelor of Technology
In
Computer Science Engineering
Submitted By

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CERTIFICATE

This is to certify that the project titled **Cook Book** submitted by Asmita Ganguly (**University Roll No. 17, Sec-3B**), Imon Roy (**University Roll No. 30, Sec-3B**), Souvik Chakraborty (**University Roll No. 71, Sec-3A**), Soham Barma (**University Roll No. 66, Sec-3B**), Oindrila Roy (**University Roll No. 40, Sec-3B**), Angira Saha (**University Roll No. 6, Sec-3B**), Sayak Bhandari (**University Roll No. 57, Sec-3B**), Turjo Das (**University Roll No. 78, Sec-3B**), Utpal dutta (**University Roll No. 79, Sec-3B**) and Aditya Chowdhury (**University Roll No. 02, Sec-3A**) students of UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA, in partial fulfillment of requirement for the degree of Bachelor of Technology in Computer Science Engineering, is a bonafide work carried out by them under the supervision and guidance of Prof. (Dr.) Sukalyan Goswami & Prof. Bipasha Mukhopadhyay during _5th_Semester of academic session of 2021 -2025. The content of this report has not been submitted to any other university or institute. I am glad to inform that the work is entirely original and its performance is found to be quite satisfactory.

Signature of Guide

Signature of Guide

Signature of Head of the Department

ACKNOWLEDGEMENT

We would like to take this opportunity to thank everyone whose cooperation and encouragement throughout the ongoing course of this project remains invaluable to us.

We are sincerely grateful to our guide Prof. (Dr.) Sukalyan Goswami and Prof. Bipasha Mukhopadhyay of the Department of Computer Science Engineering, UEM, Kolkata, for their wisdom, guidance and inspiration that helped us to go through with this project and take it to where it stands now.

Last but not the least, we would like to extend our warm regards to our families and peers who have kept supporting us and always had faith in our work.

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ABSTRACT

This project endeavors to establish a user-centric online platform, a recipe book website called Cook Book, meticulously designed to cater to diverse culinary interests. People seek convenient platforms to discover, share, and store culinary recipes, leading to the development of various websites and applications dedicated to this purpose. In today's health-conscious era, individuals dedicated to maintaining a specific diet plan or nutritional regimen are constantly seeking suitable recipes to complement their lifestyle. Moreover, as the culinary landscape evolves, age-old traditional recipes risk becoming obsolete or inaccessible to modern generations. Therefore, the need for a comprehensive recipe book website becomes increasingly pertinent, offering a repository of diverse recipes that cater to both dietary requirements and the preservation of traditional culinary heritage.

Embracing a multifaceted approach, the website will curate an extensive collection of recipes spanning various diet plans, traditional culinary treasures, contemporary innovations, and a rich array of global cuisines. With an emphasis on inclusivity, the platform will invite user contributions, fostering a community-driven culinary exchange.

INTRODUCTION

In response to the ever-evolving gastronomic landscape and the dynamic preferences of culinary enthusiasts, this project aims to develop a versatile recipe book website. Going beyond the confines of conventional recipe repositories, this platform strives to be a comprehensive culinary haven.

The website's core pillars encompass an inclusive portrayal of recipes tailored to diverse diet plans, venerable traditional dishes, contemporary culinary creations, and an expansive palette of global cuisines. Moreover, recognizing the value of community engagement, the platform will empower users to contribute their cherished recipes, fostering a collaborative environment.

A pivotal aspect guiding the development of this website is the unwavering commitment to creating a user-friendly interface. Prioritizing ease of navigation and accessibility, the website endeavors to provide an intuitive experience for individuals seeking recipes aligned with specific dietary requirements, exploring cultural culinary heritage, or embarking on culinary adventures across different cuisines. Through the amalgamation of comprehensive content and user-centric design, this website aspires to become the go-to destination for culinary aficionados seeking an immersive and enriching culinary journey.

LITERATURE SURVEY

- **How often do you find yourself looking for new recipes or culinary inspiration?**

Many individuals often seek new recipes or culinary inspiration frequently, either for daily meal planning or special occasions. A recipe website serves as a valuable resource for individuals to explore diverse cuisines, experiment with new dishes, and enhance their cooking skills.

- **What challenges do you face when searching for recipes online, and how do you think a recipe book website could address these challenges?**

Searching for recipes online often involves shifting through numerous websites, dealing with unclear instructions, and finding recipes that match specific dietary needs or ingredient preferences. A dedicated recipe book website can streamline this process by providing a centralized platform with categorized recipes, detailed instructions, and search filters for dietary restrictions or preferred cuisines. This consolidation will simplify the search process and will ensure that users find relevant recipes more efficiently.

- **Would you be interested in a platform where you can not only access recipes but also contribute and share your own recipes?**

Many individuals are enthusiastic about sharing their favorite recipes and culinary creations. A recipe book website that allows users to contribute their recipes will foster a sense of community and engagement. This interactive feature will enable users to showcase their cooking expertise, share family traditions, and receive feedback, contributing to a dynamic and diverse collection of recipes that reflects the community's culinary diversity.

- **Do you think having user reviews and ratings on recipes is essential? Why?**

User reviews and ratings play a pivotal role in guiding others' recipe choices. They offer valuable insights into the recipe's taste, ease of preparation, and potential modifications. Incorporating user reviews and ratings on a recipe website empowers users to make informed decisions about trying new recipes. This feedback mechanism not only enhances user experience but also builds trust and credibility within the cooking community.

- **In your opinion, how might a recipe website contribute to promoting healthy eating habits or accommodating dietary restrictions?**

A recipe website can significantly contribute to promoting healthy eating habits and accommodating various dietary needs. By curating a diverse collection of recipes that cater to specific dietary restrictions (such as vegan, gluten-free, or low-carb), individuals with unique dietary requirements can easily find suitable meal options. Additionally, emphasizing nutritional information and suggesting healthier ingredient substitutes can encourage users to make more mindful and health-conscious food choices. This platform aims to be inclusive, supporting users in achieving their dietary goals while enjoying delicious meals.

PROBLEM STATEMENT

- In today's fast-paced world, individuals often encounter challenges in discovering diverse, reliable, and easily accessible culinary recipes tailored to their preferences, dietary needs, and skill levels.
- Existing online platforms lack a comprehensive solution that consolidates a wide array of recipes while fostering a vibrant community for sharing culinary expertise.
- Users struggle with navigating multiple sources for recipes, facing inconsistent quality, and difficulty in finding recipes aligned with their dietary restrictions or desired cuisines.
- As the culinary landscape is evolving, age-old traditional recipes risk becoming obsolete or inaccessible to modern generations.
- Many people want to share their own recipes or special recipes of their families which are passed down through generations but find it inconvenient to make videos or find it problematic to upload the recipes in any website due to the complicated interface.

PROPOSED SOLUTION

The proposed recipe book website aims to deliver a consolidated platform that offers a diverse collection of high-quality recipes from various cuisines worldwide. It will feature a user-friendly interface facilitating easy navigation and exploration of recipes based on dietary preferences, ingredients, cooking time, and skill level. Users will have the opportunity to not only access an extensive range of recipes but also contribute their culinary creations, fostering a community-driven platform. Moderation processes will ensure the authenticity and reliability of uploaded recipes. Additionally, interactive elements like user ratings, reviews, and discussions will empower users to make informed decisions and engage in meaningful culinary interactions. This comprehensive solution seeks to become a go-to destination for culinary enthusiasts, providing an inclusive, engaging, and reliable resource for all things related to cooking and recipes.

EXPERIMENTAL SETUP AND RESULT ANALYSIS

HTML

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <meta http-equiv="X-UA-Compatible"
6 content="IE=edge" />
7 <meta name="viewport"
8 content="width=device-width, initial-
9 scale=1.0" />
10 <link rel="stylesheet"
11 href="https://cdnjs.cloudflare.com/ajax/
12 libs/font-awesome/6.0.0/css/all.min.css"
13 />
14 <link rel="stylesheet" href="style.css"
15 />
16 <script src="app.js" defer></script>
17 <title>Cook Book</title>
18 <!-- We're going to use a meal API
19 ==> https://www.themealdb.com/ -->
20 <!-- Font Awesome for the icons -->
21 </head>
22 <body>
23 <nav>
24 <ul id="sidemenu">
25 <li><a href="#header">Home</a></li>
26 <li><a
27 href="#Recipes">Recipes</a></li>
28 <li><a href="#addRecipe">Add
29 Recipe</a></li>
30 <i class="fa-solid fa-xmark"
31 onclick="closemenu()"></i>
32 </ul>
33 <i class="fa-solid fa-bars"
34 onclick="openmenu()"></i>
35 </nav>
36 <span class="search-container">
37 <input class="search-input" type="text"
38 placeholder="Search meal..." />
39 <span class="search-icon">
40 <i class="fa-solid fa-magnifying-
41 glass"></i>
42 </span>
43 </span>
44 </div>
45 </div>
46 <div class="container">
47 <div class="card">
48 <div class="fav-meals-container">
49 <h2>Favorite Meals</h2>
50 <div class="fav-meals">
51 <!-- <div class="single">
52 <div class="top">
53 <div class="img-container">
54 
55 </div>
```

```

56 <div class="text">
57 <p>Meal Name</p>
58 </div>
59 </div>
60 <p>Meal Name</p>
61 </div>
62 </div>
63 <i class="fa-solid fa-x"></i>
64 </div>
65 <div class="single">
66 <div class="top">
67 <div class="img-container">
68 
69 </div>
70 </div>
71 <div id="addRecipe">
72 <div class="container">
73 <div class="row">
74 <h1 class="sub-title">Add
75 Recipes</h1>
76 <form name="submit-to-google-
77 sheet">

```

CSS

```

1 @import
2 url(https://fonts.googleapis.com/css?fa
3 mily=Poppins:100,100italic,200,200ital
4 ic,300,300italic,regular,italic,500,500ita
5 lic,600,600italic,700,700italic,800,800it
6 alic,900,900italic);
7 * {
8 margin: 0;

```

```

78 <input type="text" name="Name"
79 placeholder="Your Name" required>
80 <input type="email" name="Email"
81 placeholder="Your Email">
82 <textarea name="Recipe" rows="4"
83 placeholder="Your
84 Recipe"></textarea>
85 <button type="submit" class="btn
86 btn2">Submit</button>
87 </form>
88 <span id="msg"></span>
89 </div>
90 </div>
91 </div>
92 <div class="copyright">
93 <p>Copyright &#169; Cook Book.
94 Build with <i class="fa-solid fa-
95 heart"></i></p>
96 </div>
97 </div>
98 </body>
99 </html>

```

```

9 padding: 0;
10 box-sizing: border-box;
11 font-family: 'Poppins', sans-serif;
12 }
13 html{
14 scroll-behavior: smooth;

```

```

15 }
16 body {
17 /* display: grid;
18 place-items: center;
19 min-height: 100vh;
20 padding: 3rem 0; */
21 background-color: var(--primary-clr);
22 color: white;
23 }
24 /* -----header----- */
25 #header{
26 width: 100%;
27 height: 100%;
28 background-size: cover;
29 background-position: center;
30
31 }
32 .container{
33 padding: 10px 10%;
34 }
35 nav{

```

JavaScript

```

1 const mealEl_container =
2 document.querySelector(".meal");
3
4 const fav_meals_container =
5 document.querySelector(".fav-meals");
6
7 const search_input =
8 document.querySelector(".search-
9 input");

```

```

36 display: flex;
37 align-items: center;
38 justify-content: space-between;
39 flex-wrap: wrap;
40 }
41 nav ul li{
42 display: inline-block;
43 list-style: none;
44 margin: 10px 20px;
45 }
46 nav ul li a{
47 color: var(--secondary-clr);
48 text-decoration: none;
49 font-size: 20px;
50 font-weight: 600;
51 position: relative;
52 }
53 nav ul li a: hover::after{
54 width: 100%;
55 }

```

```

8 const search_icon =
9 document.querySelector(".search-
10 icon");
11
12 const popup_container =
13 document.querySelector(".pop-up-
14 container");
15
16 const close_popup_btn =
17 document.querySelector(".pop-up > i");

```

```

16 const popup =
17 document.querySelector(".pop-up-
18 inner");

19 const lightDarkModeSpan =
20 document.querySelector(".light-dark-
21 mode");

22 var sidemenu =
23 document.getElementById("sidemenu")
24 ;

25 getRandomMeal();

26 fetchFavMeals();

27 async function getRandomMeal() {
28 const resp = await fetch(
29 "https://www.themealdb.com/api/json/v
30 1/1/random.php"
31 );
32 const respData = await resp.json();

33 const random_meal =
34 respData.meals[0];
35 console.log(random_meal);
36 addMeal(random_meal);
37 }

38 async function getMealById(id) {
39 const resp = await fetch(
40 `https://www.themealdb.com/api/json/v
41 1/1/lookup.php?i=${id}`
42 );

```

```

43 const respData = await resp.json();
44 const meal = respData.meals[0];
45 return meal;
46 }

47 const scriptURL =
48 'https://script.google.com/macros/s/AKf
49 ycbyE8tzgFS-KDs4d8-
50 Vf1wG1rCb2MfLsUGTz4gzYHkYLtN
51 a6suWxafPry-jsaGiIaK/exec'

52 const form = document.forms['submit-
53 to-google-sheet']

54 const msg =
55 document.getElementById("msg")

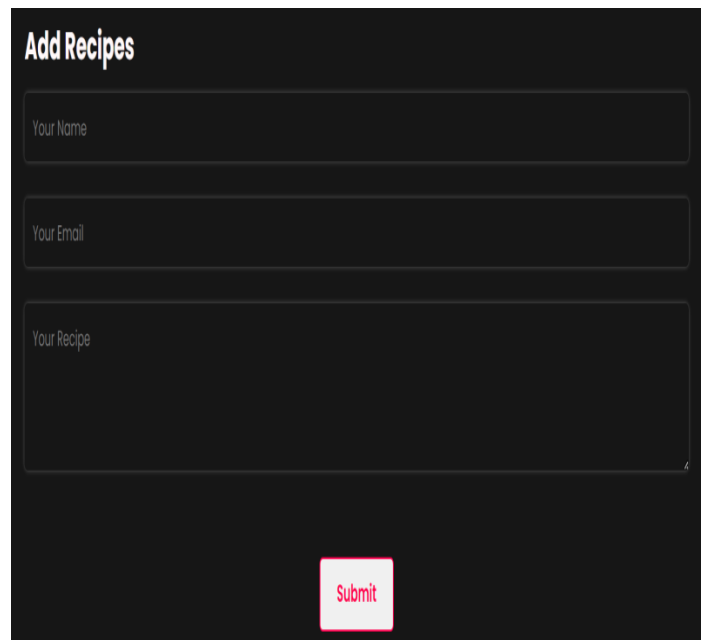
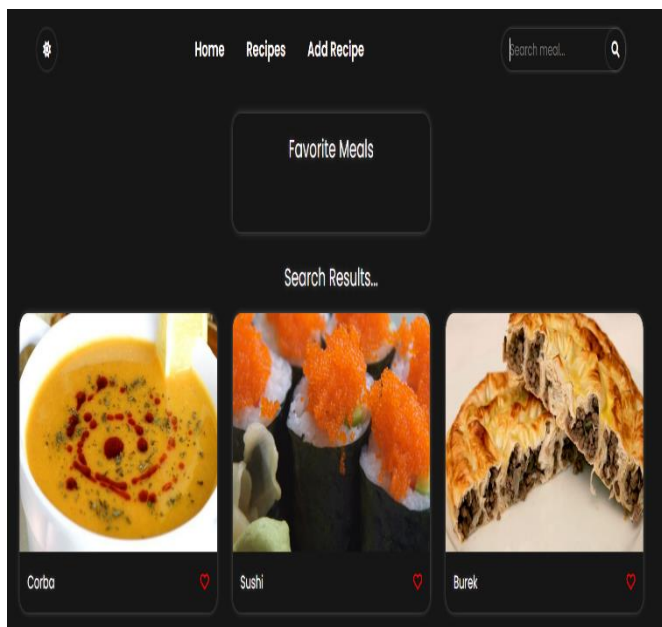
56 form.addEventListener('submit', e => {
57 e.preventDefault()
58 fetch(scriptURL, { method: 'POST',
59 body: new FormData(form)})
60 .then(response => {
61 msg.innerHTML= "Message sent
62 succssfully"
63 setTimeout(function(){
64 msg.innerHTML = ""
65 },1000)
66 form.reset()
67 })
68 .catch(error => console.error('Error!',
69 error.message)) })

```

RESULT ANALYSIS

Visitors to the website will experience a seamless and engaging culinary journey with several key features. Upon landing on the platform, they'll find an intuitive and user-friendly interface that facilitates effortless navigation. The site will offer a diverse array of recipes sorted by cuisine, dietary preferences, cooking difficulty, and meal types. Visitors can explore detailed recipe pages featuring step-by-step instructions, ingredient lists, cooking tips, and nutritional information. To enhance user interaction, the platform will include a review and rating system, enabling visitors to share their feedback and experiences with recipes. Additionally, individuals will have the opportunity to contribute their recipes, which will undergo moderation to ensure quality and accuracy. The website aims to foster a vibrant community by encouraging discussions, providing cooking advice, and enabling users to engage in a shared passion for culinary exploration.

Interface :



CONCLUSION

In conclusion, the development of a comprehensive recipe book website promises to revolutionize the way culinary enthusiasts discover, share, and engage with recipes. By addressing the challenges of fragmented recipe searches and offering a centralized platform, this website aims to provide a user-friendly experience that caters to diverse tastes, dietary needs, and skill levels. The incorporation of community-driven features fosters an environment of collaboration and shared culinary experiences, making it a valuable resource for both seasoned cooks and aspiring chefs.

FUTURE SCOPE

Looking ahead, the future scope of this website involves continuous enhancement and expansion to better serve its users. Integration of artificial intelligence could provide personalized recipe recommendations based on user preferences and past interactions, optimizing the browsing experience. Additionally, the incorporation of multimedia elements, such as video recipes and live cooking sessions, could further enrich the platform. Collaborations with chefs, nutritionists, and food bloggers could contribute exclusive content, while mobile application development could extend accessibility to users on-the-go. Furthermore, the platform's evolution might involve partnerships with local markets or grocery delivery services, facilitating convenient ingredient acquisition based on chosen recipes. The website aims to evolve into a dynamic, all-encompassing culinary hub that remains at the forefront of innovation while continuously meeting the ever-evolving needs of its users.

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