

Report On

Hungry Master: Recipe Finder Website

Submitted in partial fulfillment of the requirements of the Mini project in
Semester V of Artificial intelligence and Data Science

by

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CERTIFICATE

This is to certify that the Mini Project entitled “**Hungry Master: Recipe Finder Website**” is a bonafide work of **Prathmesh Bhagat (Roll No. 65)**, **Mokshad Sankhe (Roll No. 72)**, **Sudeep Shetty (Roll No. 75)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of “**Bachelor of Engineering**” in Semester V of Third Year “**Artificial Intelligence and Data Science**”.

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Mini Project Approval

This Mini Project entitled “**Hungry Master: Recipe Finder Website**” by **Prathmesh Bhagat (Roll No. 65)**, **Mokshad Sankhe (Roll No. 72)**, **Sudeep Shetty (Roll No. 75)** is approved for the degree of **Bachelor of Engineering** in Semester V of Third Year **Artificial Intelligence and Data Science**.

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Abstract

Hungry Monster is a recipe finder website that allows users to search for recipes by ingredient, cuisine, or keyword. The website uses the MealDB API to retrieve recipes from a database of over 500,000 recipes.

Once a user enters a search query, Hungry Monster displays a list of matching recipes. Each recipe card includes the recipe name, an image of the dish, and the cooking time. Users can click on a recipe card to view the full recipe, which includes the ingredients, instructions, and nutritional information.

Hungry Monster also includes a details popup, which users can access by clicking on a recipe card. The details popup provides more information about the recipe, including a video tutorial, a list of similar recipes, and the ability to save the recipe to the user's favorites.

Hungry Monster is a valuable tool for anyone who loves to cook and eat. The website's intuitive interface and comprehensive database of recipes make it easy to find the perfect recipe for any occasion.

Acknowledgement:

The completion of this project would not have been possible without the support and assistance of several individuals and organizations. We would like to extend our heartfelt gratitude to the following people and groups for their contributions to this project.

First and foremost, we would like to thank our professors, **Prof. Kshitija Gharat**, for their invaluable guidance and supervision throughout the project. Their expertise and support were instrumental in helping us to develop a deep understanding of the field of **Hungry Master: Recipe Finder Website**. We appreciate the time they took to review our work and offer their insights and suggestions, and we are grateful for the opportunities they provided to present and discuss our findings.

Finally, we would like to thank the many other professors who consulted us during the course of this project. Their contributions were invaluable in helping us to gain a deeper understanding of the field and to develop our own ideas and approaches.

We are deeply indebted to all these individuals for their support and assistance, and we could not have completed this project without their help.

Thank you all very much.

1. Introduction

1.1 Introduction

Hungry Monster is a recipe finder website that makes it easy to find delicious and nutritious meals to cook at home. With our extensive database of over 500,000 recipes from around the world, you're sure to find the perfect recipe for any occasion.

Our website is designed to be user-friendly and easy to navigate. Simply enter a search query, such as an ingredient, cuisine, or keyword, and we'll return a list of matching recipes. Each recipe card includes the recipe name, an image of the dish, and the cooking time. You can click on a recipe card to view the full recipe, which includes the ingredients, instructions, and nutritional information.

1.2 Problem Statement & Objective

It can be difficult to find recipes that are both delicious and nutritious. There are many recipe websites and apps available, but they can be overwhelming and difficult to navigate. Additionally, many recipes require a lot of time and effort to prepare, which can be a challenge for busy people.

1.3 Scope

- **Recipes:** The website should include a database of over 500,000 recipes from around the world. The recipes should be well-written and easy to follow, and they should include a variety of cuisines, dietary restrictions, and cooking times.
- **Search and filtering:** The website should allow users to search for recipes by ingredient, cuisine, cooking time, dietary restrictions, and more. Users should also be able to filter search results by recipe rating and popularity.
- **Recipe details:** Each recipe page should include the recipe name, an image of the dish, the cooking time, the ingredients, the instructions, and the nutritional information.
- **Recipe collections:** Users should be able to create and save their own collections of recipes for easy access later.
- **Shopping list generator:** The website should allow users to generate a shopping list based on the ingredients of their favorite recipes.

2. Proposed System

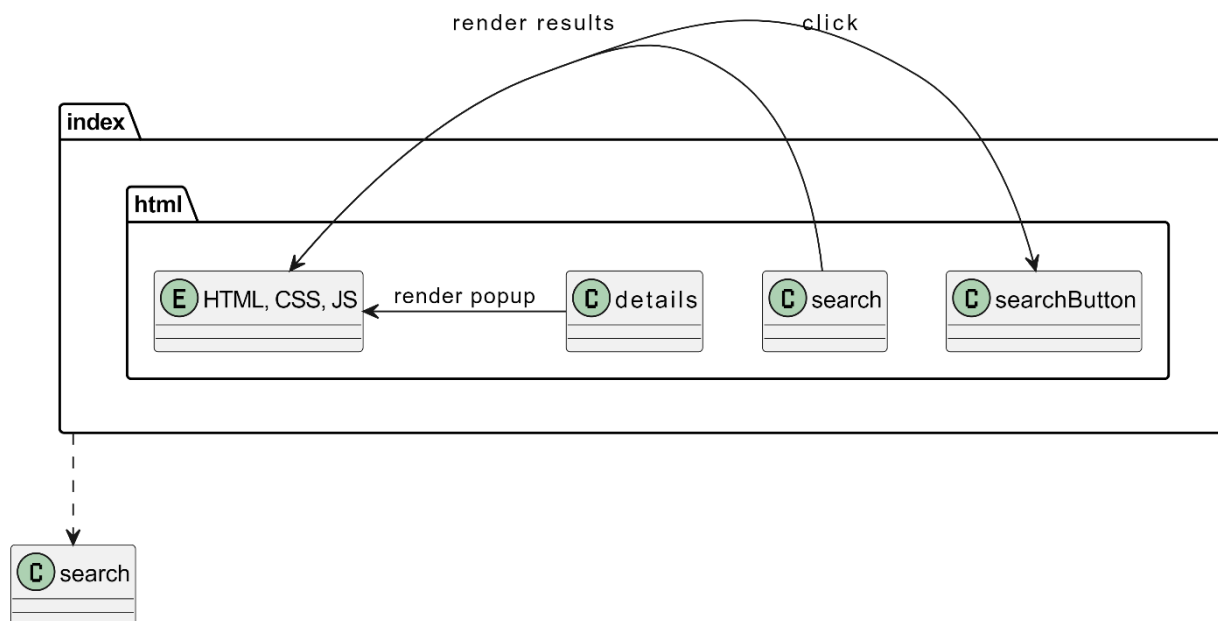
2.1 Introduction:

The proposed system for the recipe finder website is a web-based application that uses a database of recipes to provide users with a convenient and easy way to find delicious and nutritious meals to cook at home. The system will be designed to be user-friendly and easy to navigate, with a focus on the following features:

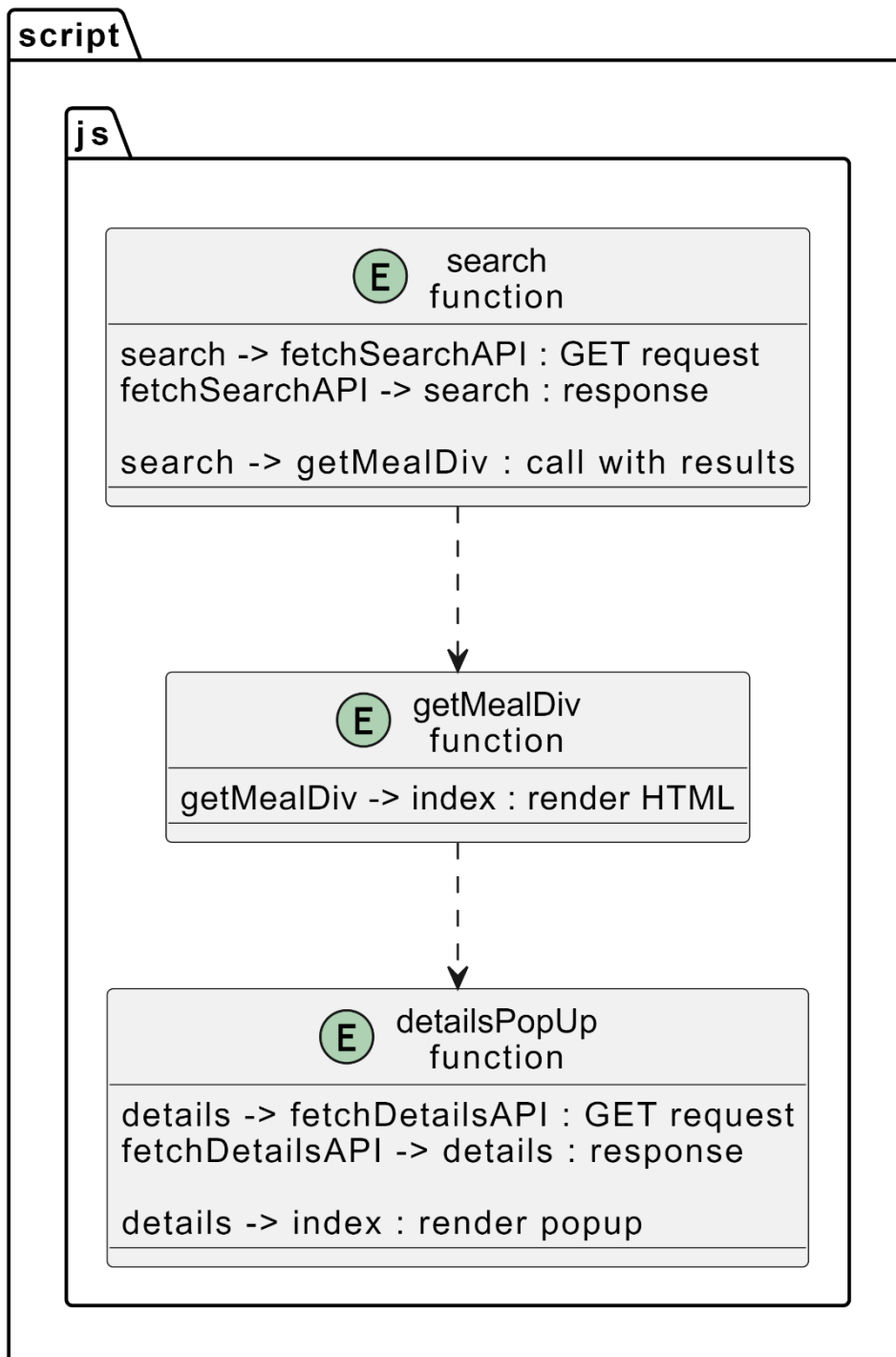
- Search and filtering: Users will be able to search for recipes by ingredient, cuisine, cooking time, dietary restrictions, and more. They will also be able to filter search results by recipe rating and popularity.
- Recipe details: Each recipe page will include the recipe name, an image of the dish, the cooking time, the ingredients, the instructions, and the nutritional information.
- Recipe collections: Users will be able to create and save their own collections of recipes for easy access later.
- Shopping list generator: The system will allow users to generate a shopping list based on the ingredients of their favorite recipes.

2.2 Architecture /Block Diagram

HTML:



Script:



Code:

HTML:

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Hungry Monster</title>
    <!-- fonts -->
    <link
      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.11.2/css/all.css"
      rel="stylesheet"
    />
    <link rel="preconnect" href="https://fonts.gstatic.com" />
    <link
      href="https://fonts.googleapis.com/css2?family=Roboto:wght@500&display=swap"
      rel="stylesheet"
    />
    <!-- fav-icon -->
    <link rel="shortcut icon" href="images/m.png" type="image/x-icon" />
    <!-- stylesheet links -->
    <
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-
rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG6
5"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" href="style.css" />
  </head>

  <body>
    <header class="container">
      <nav class="navbar navbar-expand-lg navbar-light">
        <div class="container-fluid">
          <a class="navbar-brand" href="#"
            ></a>
          <button
            class="navbar-toggler"
            type="button"
            data-bs-toggle="collapse"
            data-bs-target="#navbarNav"
            aria-controls="navbarNav"
            aria-expanded="false"
            aria-label="Toggle navigation"
          >
```

```

>
  <span class="navbar-toggler-icon"></span>
</button>
<div
  class="collapse navbar-collapse justify-content-end"
  id="navbarNav"
>
  <ul class="navbar-nav main-manu">
    <li class="nav-item">
      <a class="nav-link" href="#">Home</a>
    </li>
  </ul>
</div>
</div>
</nav>
</header>

<!-- main section -->
<main class="container">
  <div class="search-field p-5">
    <form class="d-flex justify-content-center">
      <i class="fas fa-search d-none d-md-block"></i>
      <input
        id="search-input"
        class="form-control me-2 w-50 p-3"
        type="search"
        placeholder=" Hungry?? Search Here..."
        aria-label="Search"
      />
      <button
        onclick="showBySearch()"
        class="btn search-btn p-3"
        type="button"
      >
        Search
      </button>
    </form>
  </div>

  <!-- collection of meal section -->
  <div id="meals-collection" class="row g-5 text-center"></div>

  <!-- details popUp -->
  <div class="popUpCls" id="popUpId">
    <div class="overLay"></div>
    <div class="popUp-Content-class" id="popUp-Content-Id"></div>
  </div>
</main>

<!-- script links -->

```

```

<script
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-
kenU1KFdBle4zVF0s0G1M5b4hcpyD9F7jL+jjXkk+Q2h455rYXK/7HAuoJl+0I4"
  crossorigin="anonymous"
></script>
<script src="script.js"></script>
</body>
</html>

```

2.4 Details of Hardware & Software:

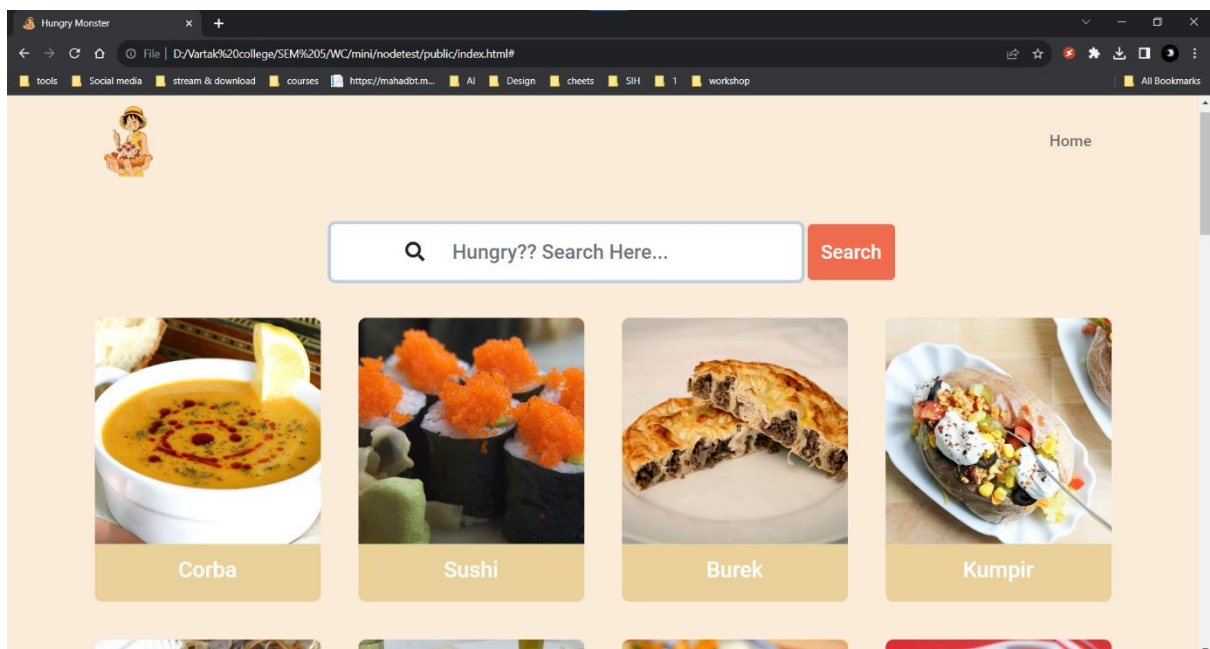
Software:

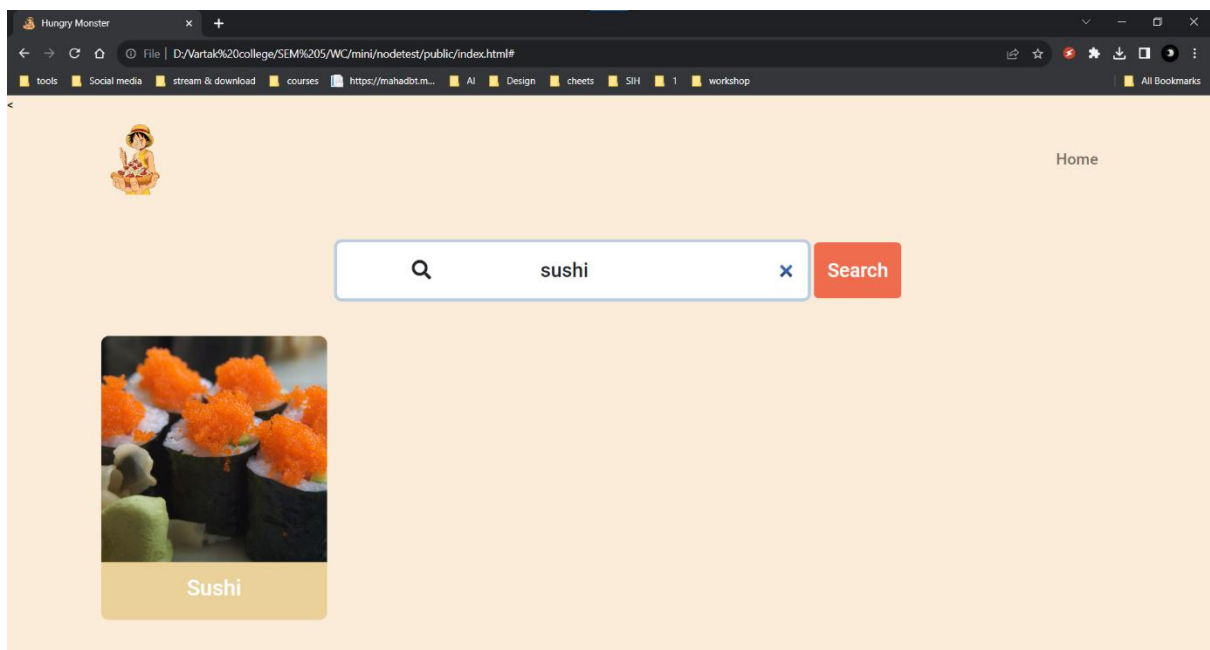
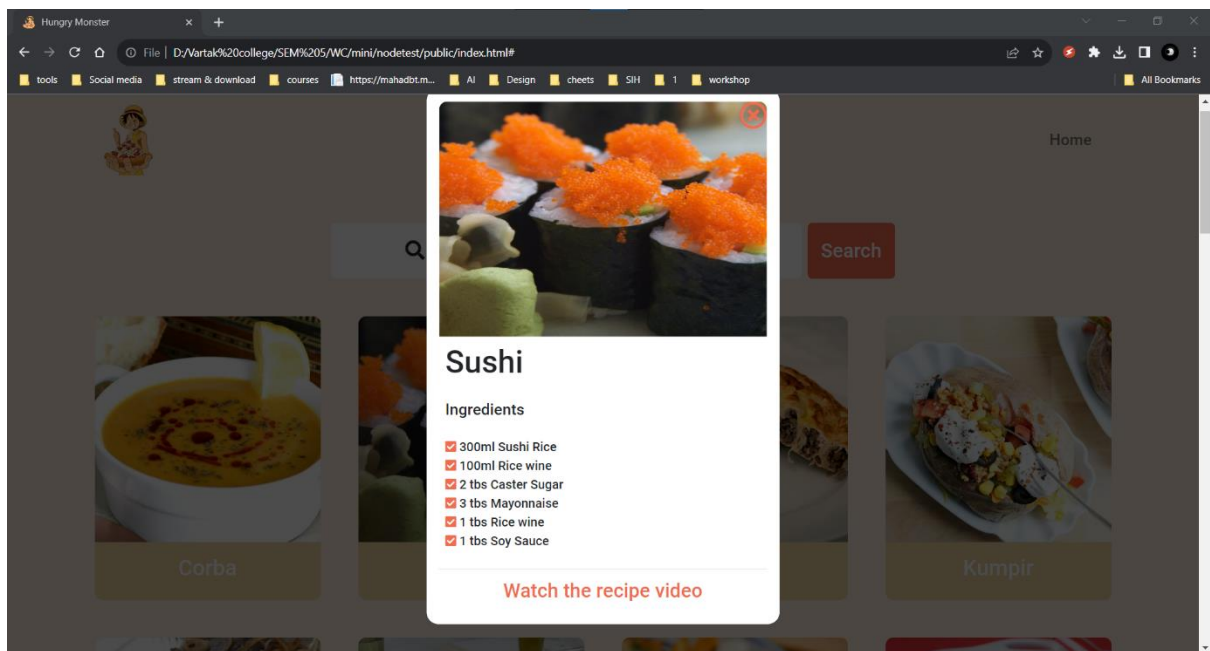
- Visual Studios Code
- HTML
- CSS
- JavaScript

Hardware:

- 4 GB RAM or Higher
- 512 GB SSD or Higher
- 4 processor system or higher

2.4 Results:





2.5 Future Scope

- Personalized recipe recommendations: The website could use machine learning to generate personalized recipe recommendations for users based on their search history, saved recipes, and dietary restrictions.
- Recipe meal planning: The website could help users plan their meals for the week by providing them with a list of recipes that are easy to prepare and fit their dietary needs.
- Recipe analysis: The website could provide users with detailed analysis of recipes, such as the nutritional value, cooking time, and cost.
- Social media integration: The website could allow users to share recipes with their friends and family on social media.
- Voice search: The website could allow users to search for recipes using voice commands.
- Video recipes: The website could include a section for video recipes, which would allow users to watch videos of popular recipes being made.
- International cuisine: The website could include a section for international cuisine, which would allow users to find recipes from all over the world.
- Dietary restrictions: The website could include a section for dietary restrictions, which would allow users to find recipes that are suitable for their specific dietary needs.
- Cooking tips and techniques: The website could include a section for cooking tips and techniques, which would help users to improve their cooking skills.

2.6 Conclusion

The recipe finder website is a valuable tool for anyone who loves to cook and eat. It provides a convenient and easy way to find delicious and nutritious recipes from all over the world. The website's user-friendly interface and comprehensive database of recipes make it easy to find the perfect recipe for any occasion.

The recipe finder website is also highly customizable. Users can filter recipes by ingredient, cuisine, cooking time, dietary restrictions, and more. They can also create and save their own collections of recipes for easy access later.

Overall, the recipe finder website is a well-designed and easy-to-use resource for finding delicious and nutritious meals to cook at home. It is a valuable tool for both beginner and experienced cooks.

Reference

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2. <https://www.python.org/>
3. <https://www.javatpoint.com/>
4. <https://www.wikipedia.org/>
5. <https://www.google.com>