

OMNIFOOD
PROJECT REPORT

SUBMITTED BY

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BONAFIDE CERTIFICATE

Certified that this project report “**Omnifood**” is the bonafide work of “**Yash Mittal,Nikhil Kumar Singh,Abhi Gupta,Aprajit Srivastava**” who carried out the project work under my/our supervision.

SIGNATURE

SIGNATURE

HEAD OF THE DEPARTMENT

SUPERVISOR

Submitted for the project viva-voce examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER

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ABSTRACT

Our project Omnifood is a digital platform designed to assist users in creating delicious meals in the comfort of their own homes. This app offers a user-friendly interface that allows users to browse a vast selection of recipes, including appetizers, main courses, desserts, and drinks. With an extensive library of recipes, users can easily search for their desired meal based on their preferences, dietary restrictions, and ingredients available. The project also provides step-by-step instructions with pictures and videos to guide users through the cooking process. With features like shopping lists, meal planning, and recipe sharing, the Recipe Maker App is an essential tool for anyone looking to enhance their cooking skills and create restaurant-quality meals at home.

CHAPTER :1

INTRODUCTION

In recent years, there has been a surge in the popularity of cooking and home cooking. Many people are opting to cook their meals instead of ordering takeout or dining out. With this trend, recipe apps have become increasingly popular, providing users with access to a wide range of recipes, tips, and tricks to create delicious meals at home.

It is a digital platform designed to assist users in creating meals by offering them access to a vast selection of recipes, cooking techniques, and meal planning tools. These apps are typically available for download on smartphones, tablets, and computers, making it easy for users to access their recipes at any time and from anywhere.

The benefits of using a recipe app are numerous. Firstly, it allows users to access a variety of recipes, ranging from traditional to international cuisines, and from simple to more complex dishes. Secondly, it provides step-by-step instructions, photos, and videos to guide users through the cooking process, making it easy for even novice cooks to create delicious meals. Thirdly, it can help users plan their meals, create shopping lists, and manage their pantry, making it easier to stay organized and save time.

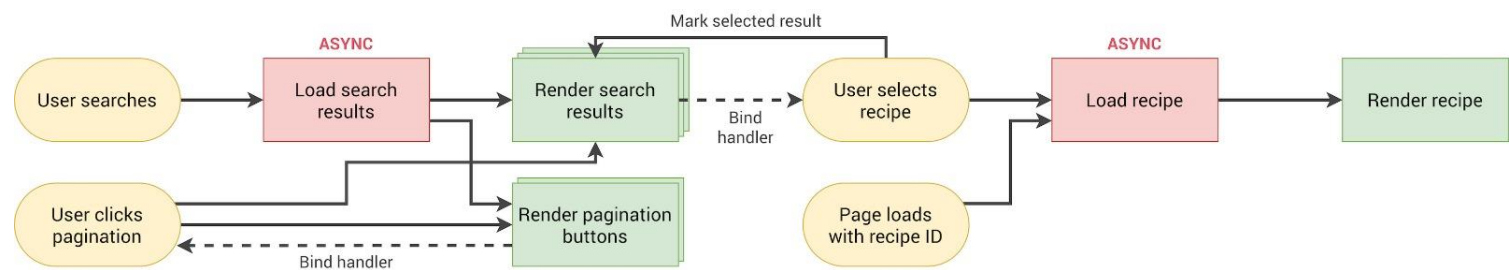
CHAPTER : 2

SYSTEM DESIGN

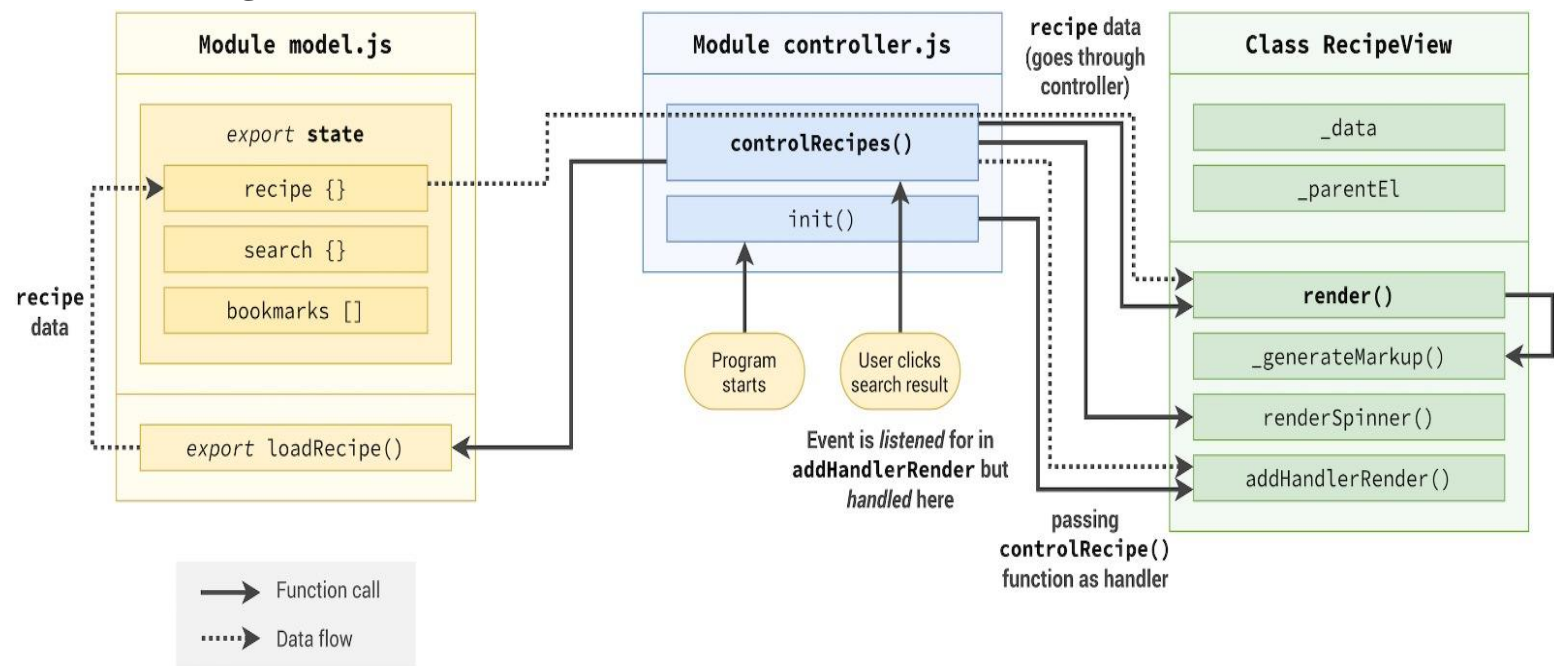
ER DIAGRAM

+-----+	+-----+	+-----+
User	Recipe	Ingredient
+-----+	+-----+	+-----+
id	id	id
username	title	name
email	instructions	unit
password	prep_time	+-----+
+-----+	cook_time	
	servings	
	+-----+	
	id	
	recipe_id	
	ingredient_id	
	quantity	
	+-----+	

User Case Diagram



Data Flow Diagram



CHAPTER : 3

APPLICATIONS

This system is applicable in below fields:

- Meal planning
- Discover new recipes
- Cooking tips and tricks
- Health and nutrition
- Saving favorite recipe
- Customizing recipe
- Food and Restaurant
- Cooking Challenges
- Cooking for different occasions
- Cooking for specific goal

CHAPTER : 4

TECHNOLOGY DETAILS

HTML

HTML stands for Hyper Text Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. A markup language is used to define the text document within tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly.

SASS

Sass (Syntactically Awesome Style Sheets) is a CSS preprocessor that extends the functionality of CSS with features like variables, nesting, and mixins. Sass makes writing and managing stylesheets easier and more efficient, allowing developers to write cleaner, more maintainable code. Sass files are compiled into CSS, which is then used by web browsers to style HTML elements.

JAVASCRIPT

JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification.^[7] JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.. The vast majority of websites use it for client-side page behavior,^[9] and all major web browsers have a dedicated JavaScript engine to execute it.

CHAPTER : 5

HARDWARE AND SOFTWARE REQUIREMENTS

Hardware specifications

Operating system	:	Windows Server 2008 and later Windows Vista and later Mac OS X 10.6 and later CentOS, Ubuntu, Fedora, Gentoo, Arch, SUSE
Platform	:	IA-32 (Windows package only) and x64 (macOS and Linux packages only)
Size	:	Windows: 156 MB Linux: 150 MB macOS: 161 MB

Software specifications-

Postman

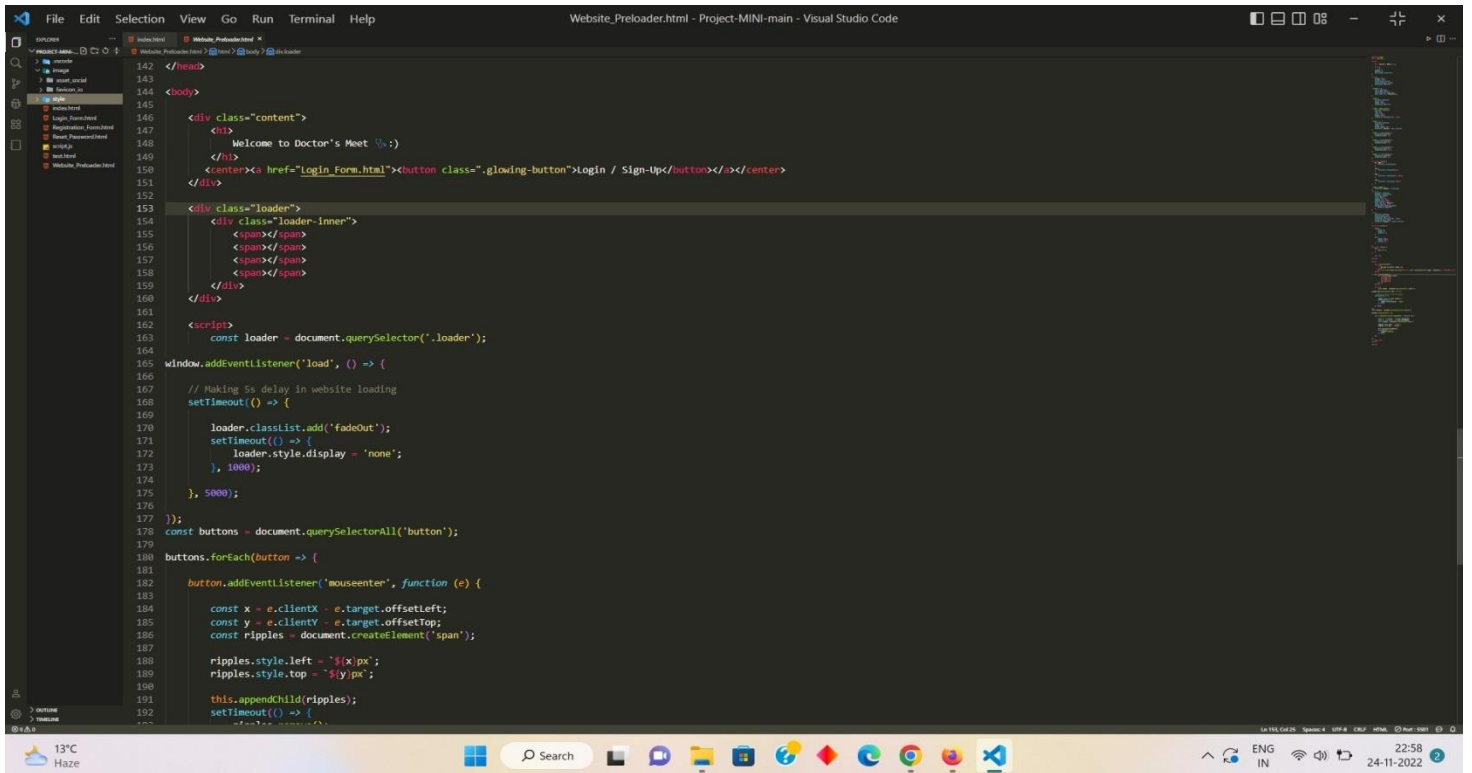
Node Packet Manager

CHAPTER:6

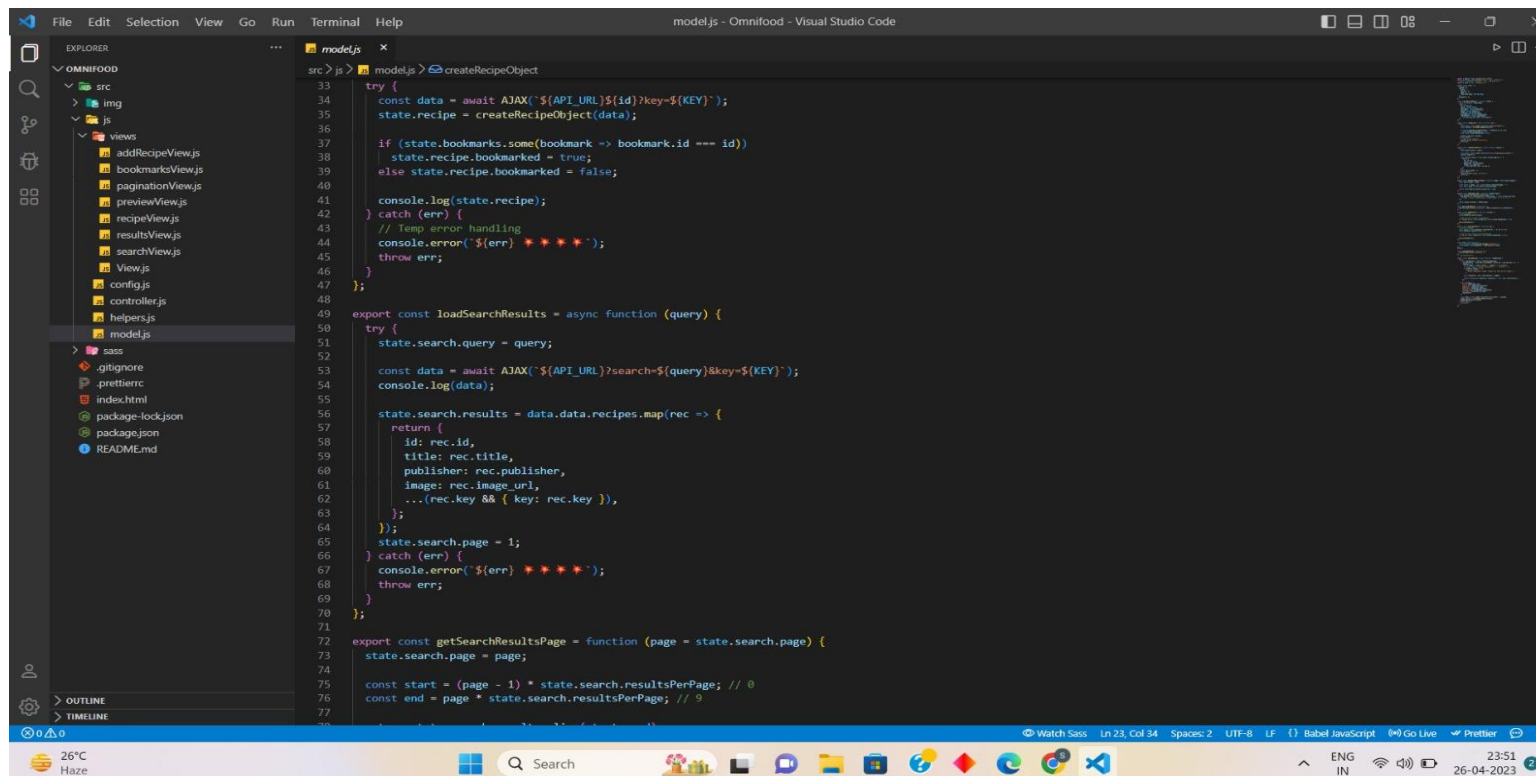
PROJECT SNAPSHOTS

Source Code

controller.html



Model.js



File Edit Selection View Go Run Terminal Help

index.html - Project-MINI-Run - Visual Studio Code

EXPLORER

PROJECT-MINI-MAIN

- .vscode
- image
- asset_social
- favicon_io
- style
- index.html
- Login_Form.html
- Registration_Form.html
- Reset_Password.html
- script.js
- test.html
- Website_Preload.html

index.html

```
...<div class="customize-setting">
  <div class="uil uil-bell">
    <small class="notifications-count">9</small></div>
  </div>
  <div class="notifications-popup">
    <div>
      <div class="profile-photo">
        
      </div>
      <div class="notification-body">
        <b>Dr. Priyanka Gupta</b> accepted your friend request.
        <small class="text-muted">2 DAYS</small>
      </div>
    </div>
    <div>
      <div class="profile-photo">
        
      </div>
      <div class="notification-body">
        <b>Dr. Kapil Khare</b> completed my MBBS!
        <small class="text-muted">1 HOUR AGO</small>
      </div>
    </div>
    <div>
      <div class="profile-photo">
        
      </div>
      <div class="notification-body">
        <b>Anurag Saxena</b> have his <b>birthday</b> today.
        <small class="text-muted">4 MINUTES AGO</small>
      </div>
    </div>
    <div>
      <div class="profile-photo">
        
      </div>
      <div class="notification-body">
        <b>Sandeep Vaishya</b> has successfully done the operation.
        <small class="text-muted">2 DAYS AGO</small>
      </div>
    </div>
    <div>
      <div class="profile-photo">

```

Ln 592, Col 36 Spaces: 2 UTF-8 LF HTML Go Live

13°C Haze

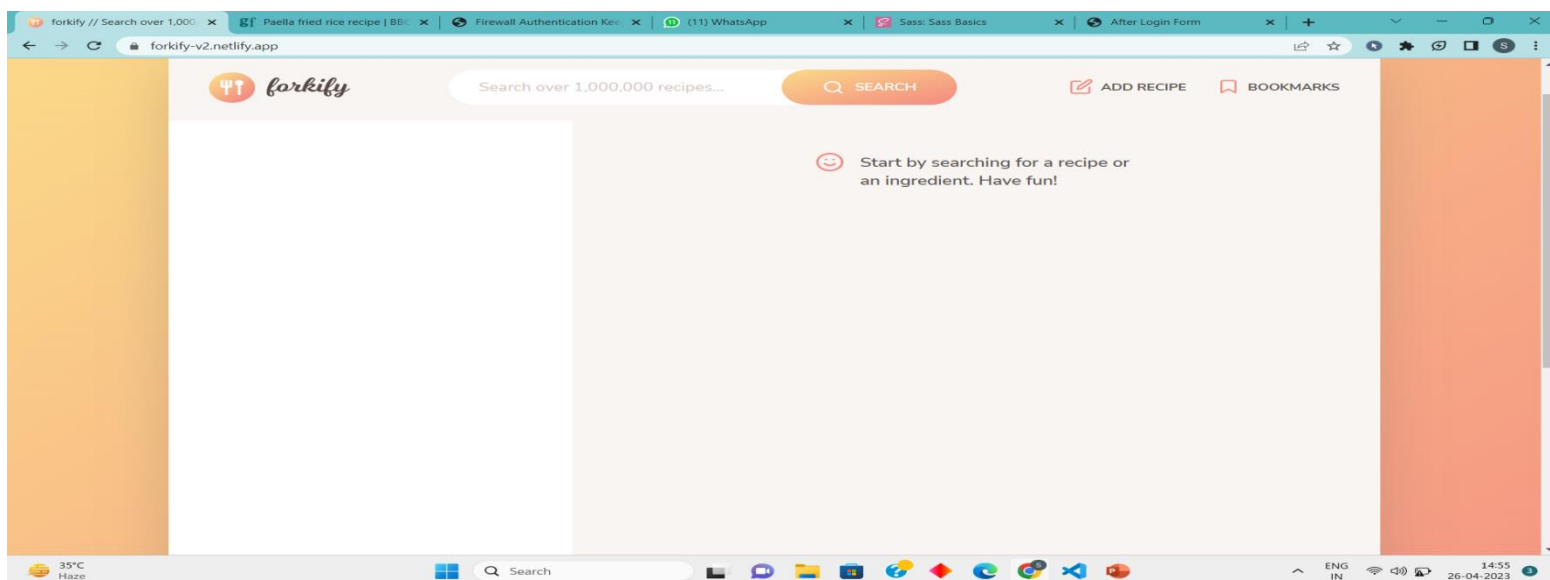
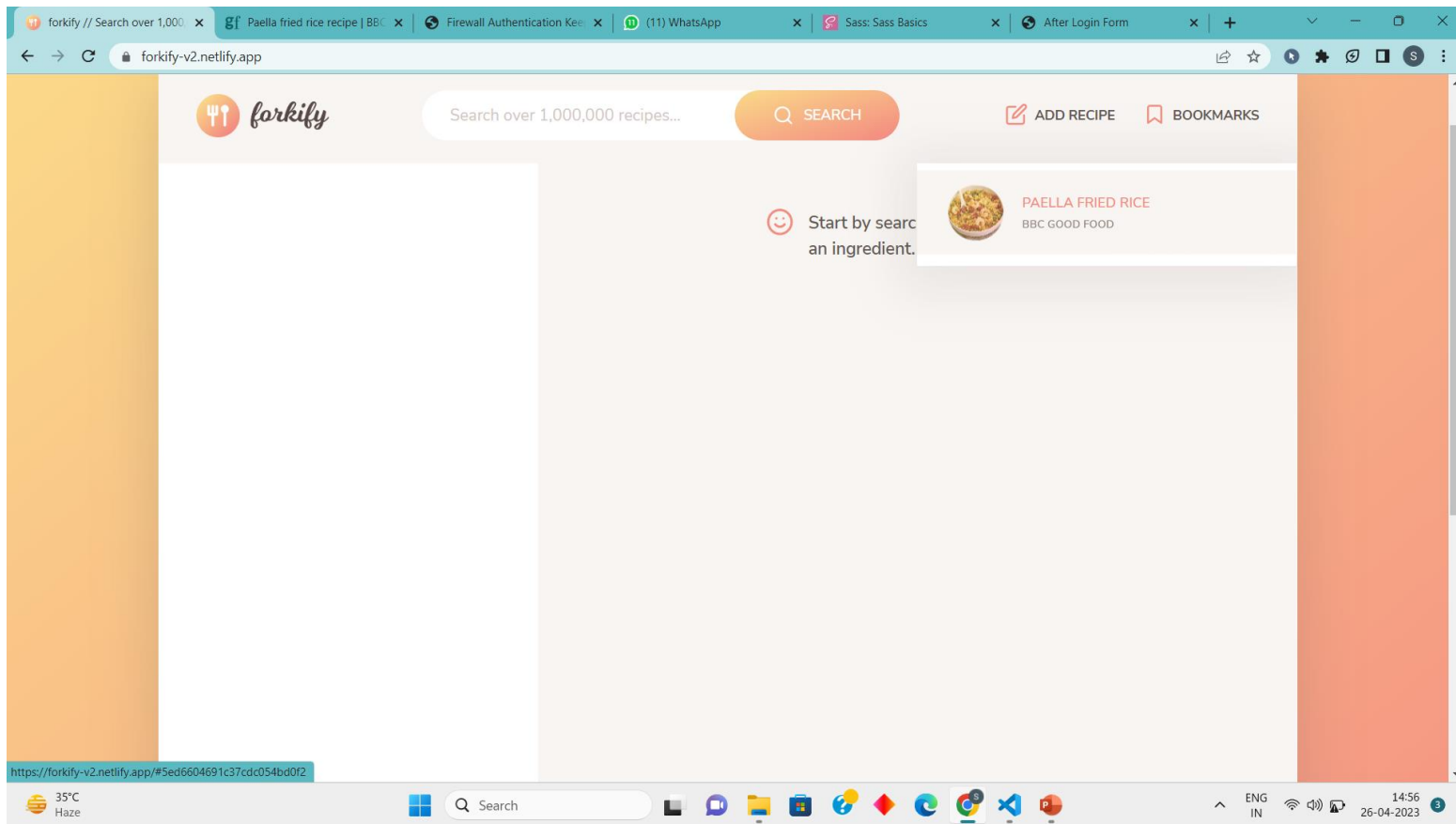
Search

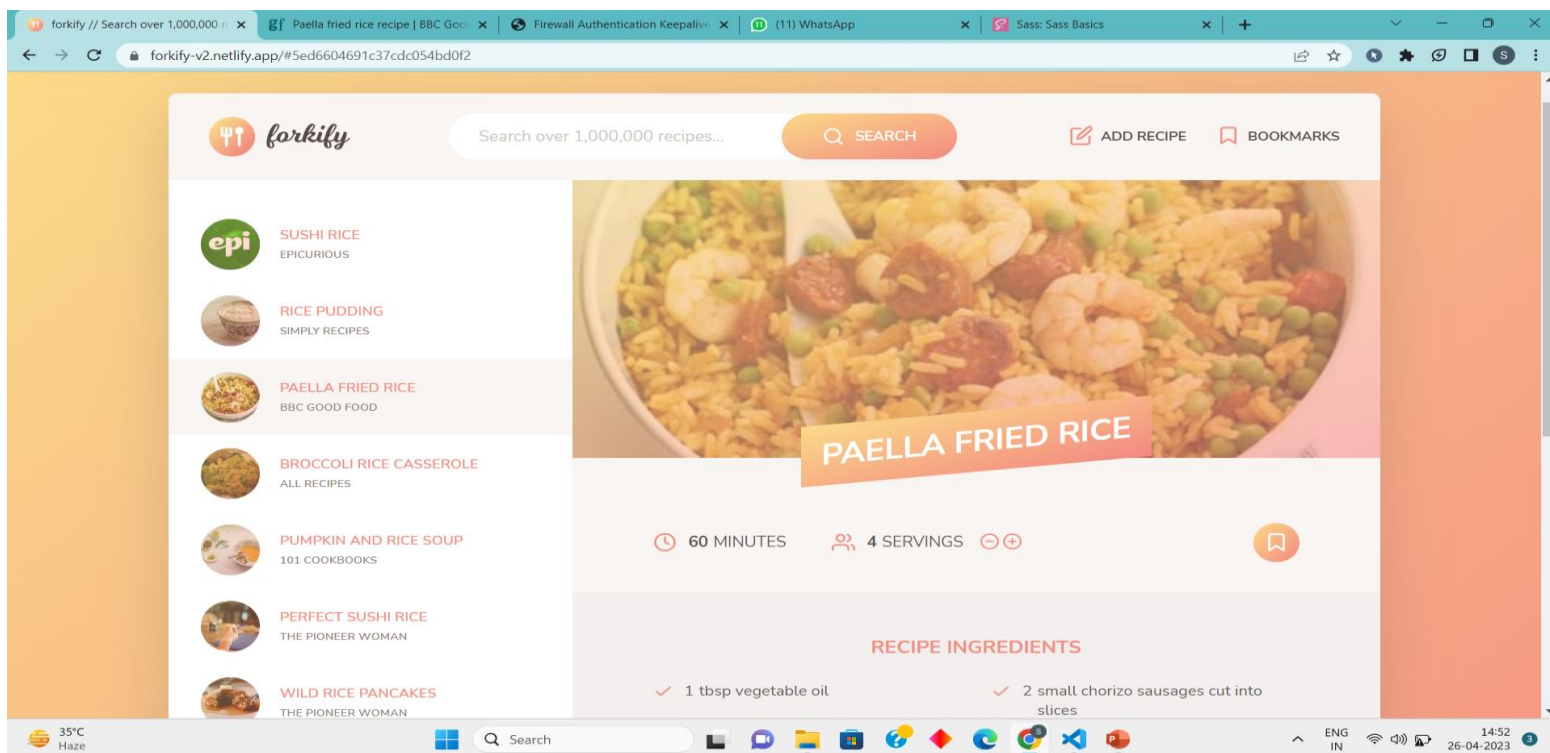
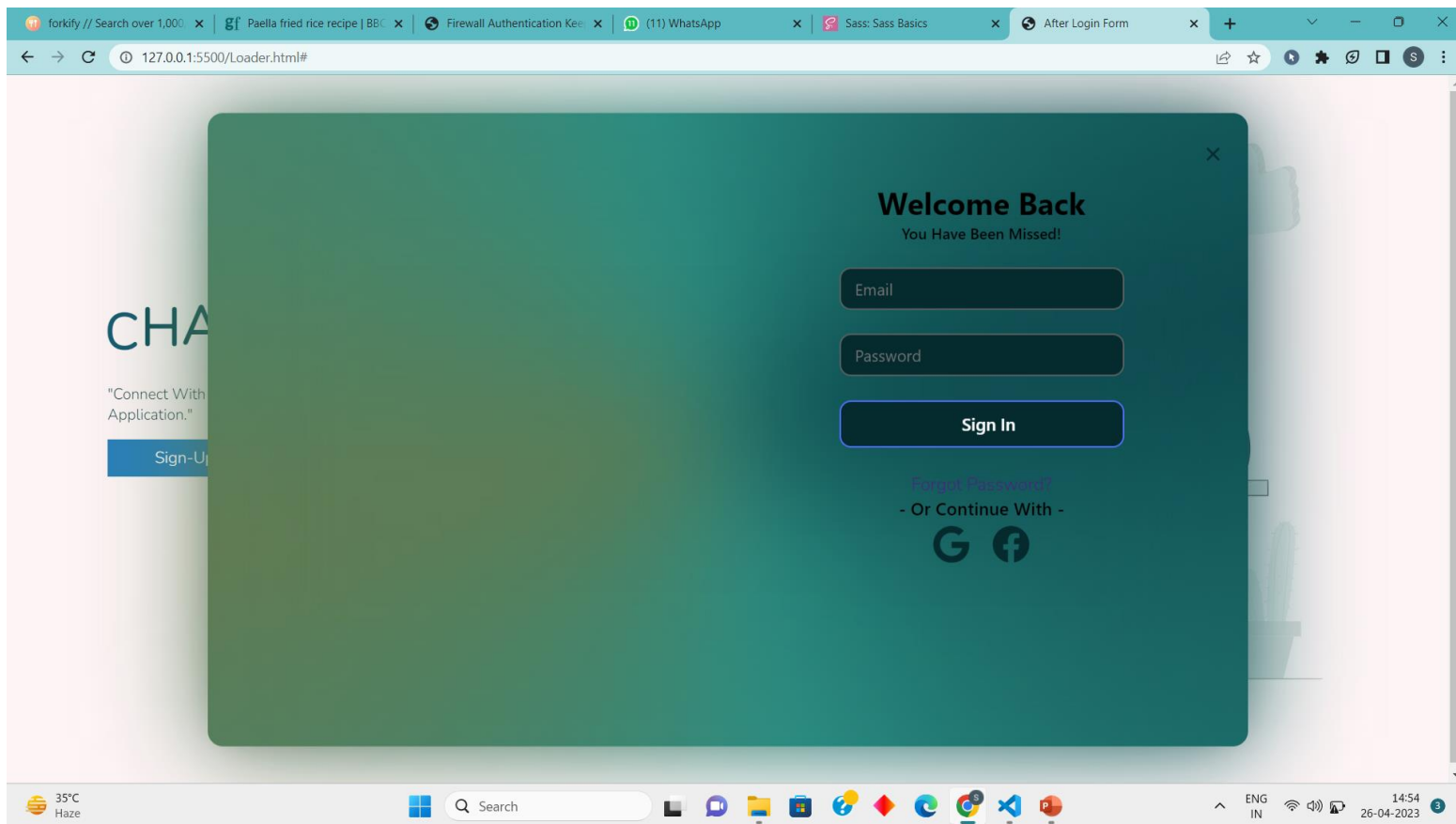
24-11-2022 23:30

The image shows a Visual Studio Code editor window with a dark theme. The title bar at the top reads "controller.js - Omnifood - Visual Studio Code". The editor is open to a file named "controller.js", with the tab labeled "controller.js x". The code is written in JavaScript and defines several functions for a web application. The functions are:

- `controlSearchResults`: An async function that handles search results. It includes comments for getting the search query, loading search results, rendering results, and rendering initial pagination buttons. It uses `searchView.getQuery()`, `model.loadSearchResults(query)`, `resultsView.render(model.getSearchResultsPage())`, and `paginationView.render(model.state.search)`.
- `controlPagination`: A function that handles pagination. It includes comments for rendering new results and new pagination buttons. It uses `resultsView.render(model.getSearchResultsPage(goToPage))` and `paginationView.render(model.state.search)`.
- `controlServings`: A function that handles servings. It includes comments for updating the recipe servings and the recipe view. It uses `model.updateServings(newServings)` and `recipeView.update(model.state.recipe)`.
- `controlAddBookmark`: A function that handles bookmarks. It includes comments for adding/removing a bookmark and updating the recipe view. It uses `model.addBookmark(model.state.recipe)`, `model.deleteBookmark(model.state.recipe.id)`, and `recipeView.update(model.state.recipe)`.

 The editor interface includes a sidebar on the left with icons for Explorer, Search, Source Control, and Run and Debug. The bottom status bar shows the current file is "controller.js", line 1, column 1, and the encoding is "UTF-8". The system tray at the bottom indicates the temperature is 26°C, the date is 26-04-2023, and the time is 23:50.





CHAPTER : 7

CONCLUSION AND FUTURE ENHANCEMENTS

CONCLUSION-

In conclusion, a ominofood app can be a great tool for anyone looking to improve their cooking skills or discover new recipes. It can offer a convenient way to search for recipes, organize ingredients and steps, and even create shopping lists. With the right features and design, a recipe app can be an essential tool for home cooks of all levels. Whether you're a seasoned chef or a novice in the kitchen, a recipe app can help you plan and prepare delicious meals with ease.

There are several potential future enhancements that could be made to a recipe app to improve its functionality and user experience. Here are a few examples:

Personalization: The app could use data from users' past searches and cooking preferences to recommend recipes that they are likely to enjoy. It could also offer customization options for recipes, such as ingredient substitutions or portion sizes.

Social sharing: Users could share their favorite recipes with friends and family through social media or messaging platforms. The app could also include a feature for users to rate and review recipes, creating a community of recipe enthusiasts.

Integration with smart kitchen appliances: The app could connect with smart appliances such as ovens, slow cookers, and Instant Pots to provide users with step-by-step cooking instructions and monitor the progress of their dishes.

Voice commands: The app could incorporate voice recognition technology to allow users to navigate the app and follow recipes hands-free, making it easier to cook while multitasking.

Augmented Reality: Using AR, the app could provide users with a visual guide for cooking, showing how each step should be done, or how each ingredient should look.

By incorporating some of these features, a recipe app could become an even more valuable tool for home cooks, making meal planning and preparation simpler, more enjoyable, and more efficient.

REFERENCES

Programming languages

- <https://www.w3schools.com>
- <https://www.javapoint.com>
- <https://www.youtube.com>
- <https://www.wikipedia.com>

Software

- <https://code.visualstudio.com/>