Tribhuvan University

Faculty of Humanities and Social Sciences

RECIPE BOOK

A PROJECT REPORT

Submitted To
Department of Computer Application
Lumbini City College

In partial fulfillment of the requirements for the Bachelors in Computer Application

Submitted By :

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Supervisor's Recommendation

I hereby recommend that this project prepared under my supervision by **MANJISH UPADHAYA** and **VISION THAPA** entitled "RECIPE BOOK" in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

_____

SIGNATURE

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LETTER OF APPROVAL

This is to certify that this project prepared by **MANJISH UPADHAYA** AND **VISON THAPA** entitled **"Recipe Book"** in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as a project for the required degree.

_____ **Ashok Gurung** Lecturer Lumbini City College Divertole, Tilottama 1, Rupandehi	_____ **Bishal Kandel** Coordinator Lumbini City College Divertole, Tilottama-1, Rupandehi
Internal Examiner Ashok Gurung	**External Examiner** Unknown

ABSTRACT

In today's digital age, where culinary enthusiasts seek convenient access to diverse recipes and cooking inspiration, The **"Recipe Book"** platform offers a user-friendly interface that allows users to explore a vast collection of recipes categorized by dish type, cooking time, and other relevant filters. Admin can seamlessly submit the various recipes, complete with detailed instructions, ingredients lists, and multimedia elements such as recipe videos. Additionally, the platform facilitates user engagement by enabling users to provide feedback through likes and comments, fostering a sense of community and sharing among culinary enthusiasts.

The main requirement of this project is to create the website in the least expensive yet in a professional way – thus, HTML, CSS and JS are used to make the entire frontend. And PHP, MYSQL as a backend to store Recipes Data and User credentials. The final version of the website has a front-end site for public viewers and a back-end site for the website owner (admin) so that owner could maintain the website.

In addition, this website is accompanied by documents which cover topics such as design decision, competitive analysis, website contents, website structure, database elements, security aspects, management and user requirements, costs and benefits analysis, and project schedule.

ACKNOWLEDGEMENT

LIST OF ABBREVIATIONS

JS : Javascript

OS : Operating System

CSS: Cascading Style Sheet

PHP : Hypertext Preprocessor

CASE TOOLS : Computer Aided Software Engineering Tools

SQL : Structured Query Language

ERD : Entity Relationship Diagram

HTML : Hypertext Markup Language

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Chapter 1 INTRODUCTION

1.1 Introduction

In today's world, many people love cooking and trying out new recipes. However, finding good recipes online can be difficult with so many websites and sources. The "Recipe Book" project aims to solve this problem by creating a user-friendly website where people can easily find and share recipes. The "Recipe Book" website is a platform where an admin can share and post recipes with videos, ingredient lists, instructions, dish types, and preparation times. This makes it easy for users to find all the information they need in one place. One of the key features of the "Recipe Book" website is that it allows different users to browse and look at the recipes. Users can search for specific recipes based on dish type, ingredients, or other criteria. Each user also has their own profile on the website.

Like popular social media platforms, the "Recipe Book" website allows users to like and comment on particular recipes. This way, users can provide feedback and share their thoughts on different dishes, just like leaving a like or comment on a Facebook post. Additionally, users can download the recipe videos directly from the website. This makes it convenient for them to follow along with the video instructions while cooking or not having access to internet. The "Recipe Book" project was developed using modern web technologies and programming languages. The website's design and features were carefully planned to ensure a smooth and enjoyable experience for users.

1.2 Problem Statement

Finding good recipes online is difficult for many people who love cooking. There are lots of websites and apps with recipes, but they can be hard to use and lack useful features.

The main problems are:

1. Recipes are scattered across many different places online, making it confusing to find everything in one spot.
2. Most recipe websites are disorganized and overwhelming, with too much information.
3. Searching for specific types of recipes, like by dish or cooking time, is often not possible.

4. Recipe books and websites don't usually have videos or step-by-step instructions with pictures and option for downloading them.

The "Recipe Book" project aims to solve these problems by creating a user-friendly website where people can easily find, share, and engage with recipes in one convenient place.

1.3 Objectives

The primary objective of the "Recipe Book" project is to develop a comprehensive and user-friendly online platform that streamlines the process of discovering, sharing, and engaging with culinary content. Here are four main objectives of "Recipe Book" listed below :

1. To create a website where users can easily find and access recipes from one central place.
2. To allow an admin to share recipes with videos, ingredients, instructions, dish types, and cooking times.
3. To enable users to search for specific recipes, browse different categories, and provide feedback through comments and likes.
4. To build a platform where users can download recipe videos and follow along while cooking.

1.4 Scope and Limitation

1.4.1 Scope

The "Recipe Book" project aims to develop a comprehensive web application that addresses the core functionalities and features required for a user-friendly recipe platform. The primary scope includes:

1. Develop a web application for users to browse and search recipes from a centralized database.
2. Implement an admin panel for managing and adding recipes with videos, instructions, ingredients, and details like dish type and cooking time.

3. Enable user registration and profiles for saving favorite recipes and providing feedback through comments and likes.
4. Categorize and allow filtering of recipes based on dish type, cuisine, cooking time, dietary preferences, etc.
5. Integrate multimedia features for uploading and viewing recipe videos and images.

1.4.2 Limitation

While the project aims to provide a robust solution, certain constraints and limitations are acknowledged to maintain a feasible scope. The primary limitations are:

1. The project will not include advanced features like recipe analysis, nutritional information, or meal planning capabilities.
2. Video uploads may have file size or duration restrictions due to server constraints.
3. The initial recipe collection will be limited, requiring continuous content addition over time.
4. User-generated content like recipes and comments may require moderation for quality assurance.
5. The project scope may be restricted based on available development resources and time constraints.
6. The Provided recipe will be varies according to serving size and number of people.

Chapter 2 Background Study and Literature Reviews

2.1 Background Study

In today's digital age, the demand for convenient access to diverse culinary content has skyrocketed. However, existing online recipe resources often fail to provide a centralized and user-friendly platform that caters to the needs of modern culinary enthusiasts.One of the primary challenges is the scattered nature of recipes across numerous websites and platforms, making it difficult for users to find reliable and well-curated content in one place. Moreover, many recipe websites lack robust search and filtering capabilities, hindering users' ability to discover recipes based on specific criteria such as dish type, cuisine, cooking time, or dietary preferences.Another significant limitation is the absence of user engagement features, such as the ability to leave comments, rate recipes, or contribute personal recipes. This lack of interactivity limits the potential for knowledge-sharing and community building among culinary enthusiasts.

Furthermore, the integration of multimedia elements like recipe videos and step-by-step visual instructions is often inadequate or inconsistent across different online resources, making it challenging for users to fully comprehend and follow complex cooking procedures.Crucially, the project will prioritize the seamless integration of multimedia elements, including recipe videos and step-by-step visual instructions, to enhance the overall user experience and understanding of cooking processes.By addressing these key requirements, the "Recipe Book" project aims to revolutionize the way culinary enthusiasts access and interact with recipes, fostering knowledge-sharing, community building, and the preservation of culinary traditions in the digital age.

2.2 Literature Review

Online recipe platforms have gained immense popularity in recent years, catering to the growing interest in home cooking and the desire to explore diverse culinary experiences. Numerous studies have highlighted the benefits of such platforms in promoting healthy eating habits, preserving cultural heritage, and fostering community engagement (Smith, 2020; Garcia & Lopez, 2022). Researchers have also emphasized the importance of user-friendly interfaces, comprehensive search functionalities, and robust multimedia integration to enhance the overall

user experience (Chen et al., 2021; Patel & Gupta, 2019). Additionally, the role of social features, such as rating systems, comment sections, and personalized recommendations, has been extensively explored, facilitating knowledge sharing and enabling users to make informed decisions (Nguyen & Tran, 2020; Park & Kim, 2021). However, concerns have been raised regarding intellectual property rights, content moderation, and data privacy, which need to be addressed through robust policies and measures (Ahmed & Khan, 2023).

This literature review provides an overview of the current research landscape related to online recipe platforms, highlighting their potential benefits, design considerations, and potential challenges.

Chapter 3 System Analysis and Design

3.1 System Analysis

The first important step in making the Recipe Book website was the system analysis phase. During this phase, we carefully studied existing recipe websites, what users need, and the best ways to do things in the industry. We did a lot of research and talked to different people who would use the website. This helped us figure out the key features and functions that would make the recipe website easy to use and enjoyable. The analysis also involved mapping out how data would flow through the system, identifying any external systems or tools that could be integrated, and choosing the right technologies to build the website so that it can handle many users and work well. This analysis laid the groundwork for designing and building the website in the next phases.

3.1.1 Requirement Analysis

i. Functional Requirements

Functional requirements define the specific features, functionalities, and capabilities that the system must possess to fulfill its intended purpose. These requirements serve as a blueprint, guiding the development process and ensuring that the website delivers a seamless and engaging experience to its users. The following functional requirements have been identified for the Recipe Book website:

❖ **User Management:**

- Allow new users to register and create accounts
- Enable users to log in and maintain profiles
- Provide options for users to update their personal information and preferences

❖ **Recipe Management (For Admin):**

- Allow the admin to add, edit, and delete recipes
- Enable the admin to upload recipe videos, images, and instructions
- Provide options for the admin to categorize recipes based on dish type, cuisine, dietary restrictions, etc.

❖ **Search and Browse Functionality:**

- Implement a search feature for users to find recipes based on keywords, ingredients, dish types, or cuisine
- Allow users to browse recipes based on categories, popularity, or other filters

❖ **Recipe Display:**

- Display detailed information about each recipe, including ingredients list, instructions, preparation time, and nutritional information
- Integrate video playback functionality for users to watch recipe videos

❖ **Social Interaction:**

- Allow users to like, comment, and share recipes
- Implement a rating system for users to provide feedback on recipes
- Enable users to save or bookmark their favorite recipes

❖ **Download Functionality:**

- Provide an option for users to download recipe videos for offline viewing

❖ **User Feedback and Reporting:**

- Implement a feedback system for users to report any issues or provide suggestions
- Include moderation tools for the admin to manage user-generated content.

Functional requirement can be expressed in Use Case form as they exhibit externally visible functional behavior.
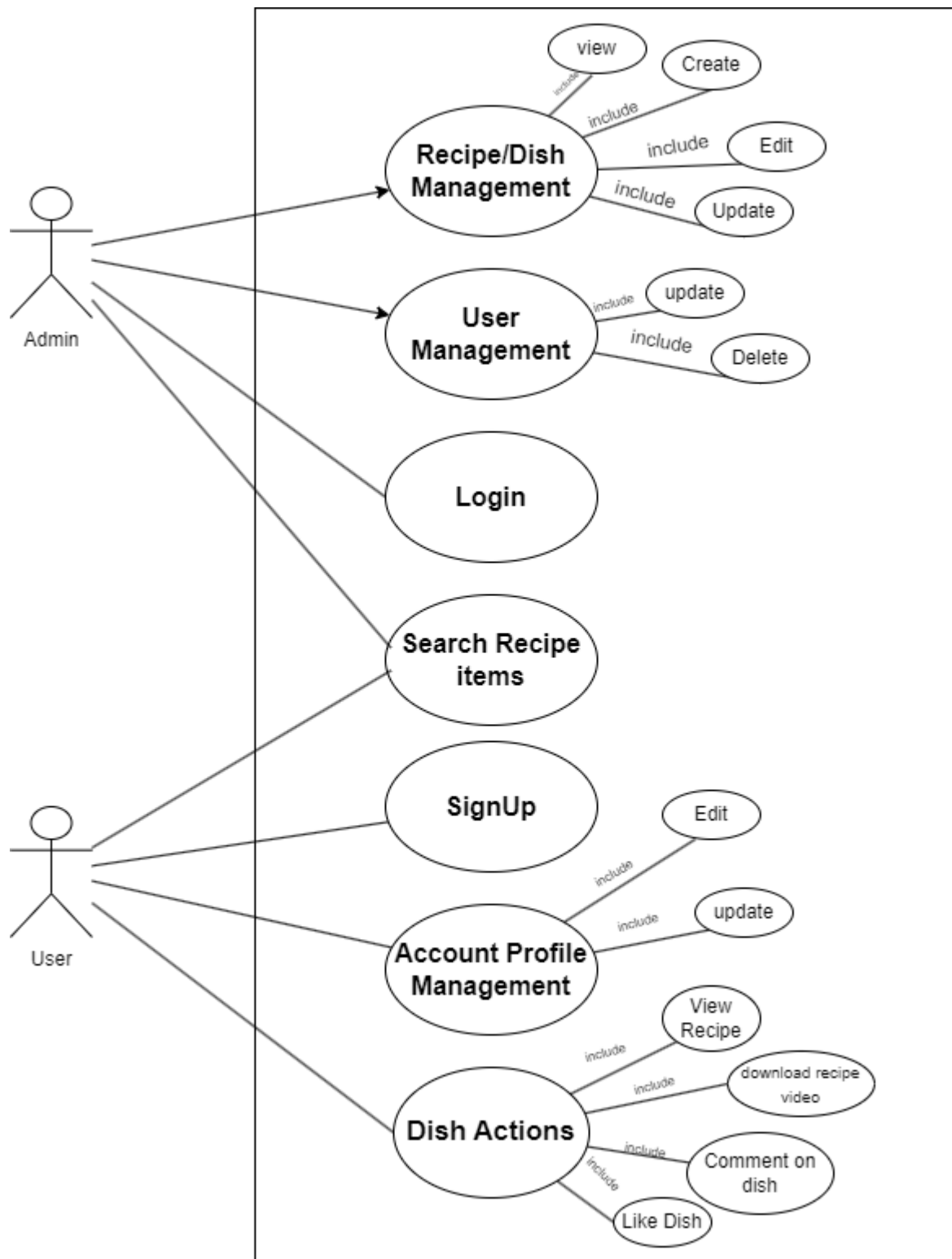
Figure 1 Use Case Diagram

ii. Non Functional Requirements

Non-functional requirements define the overall quality attributes, constraints, and characteristics that the system must possess, beyond its functional capabilities. Some of the non functional requirement are listed below:

❖ **Performance Requirements:**

- Fast load times (max 2 seconds), handle 10,00+ concurrent users, seamless video streaming.

❖ **Security Requirements:**

- User authentication/authorization, data encryption, regular security audits/assessments.

❖ **Usability Requirements:**

- Intuitive UI/UX, consistent design, clear navigation.

❖ **Scalability and Maintainability Requirements:**

- Modular/extensible architecture, well-documented codebase, industry best practices.

3.1.2 Feasibility Analysis

❖ **Technical Feasibility:** The technical side looks at whether Recipe Book can actually be built and work well. We check if the technology needed for the website is available and if it's secure enough to protect user information. We also make sure the website can handle lots of users and recipes without any problems.

❖ **Operational Feasibility:** Operational feasibility is about figuring out if Recipe Book can fit into our daily activities. We check if the website is easy for everyone to use, from beginners to experienced cooks. We also look at how we can keep all the recipes up-to-date and make sure everything runs smoothly.

❖ **Economic Feasibility:** Economic feasibility is all about money. We check how much it will cost to make and keep Recipe Book running. We also look at ways to make money, like having some special features that users might pay for or working with other companies.

The goal is to make sure Recipe Book makes sense financially and can keep going in the long run.

❖ **Schedule Feasibility:** A detailed project plan with realistic timelines, considering the scope, team size, and potential risks, can be developed to ensure schedule feasibility.

Activity	1 W	2 W	3 W	4 W	5 W	6 W	7 W	8 W	9 W	10 W	11 W	12 W
Planning	▓	▓	▓									
Analysis		▓	▓	▓	▓							
Design		▓	▓	▓	▓	▓	▓					
Implementation				▓	▓	▓	▓	▓	▓	▓		
Testing						▓	▓	▓	▓	▓		
Documentation	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓
Evaluation									▓	▓	▓	▓

Fig: Gantt Chart

3.1.3 Data Modeling(ER Diagram)
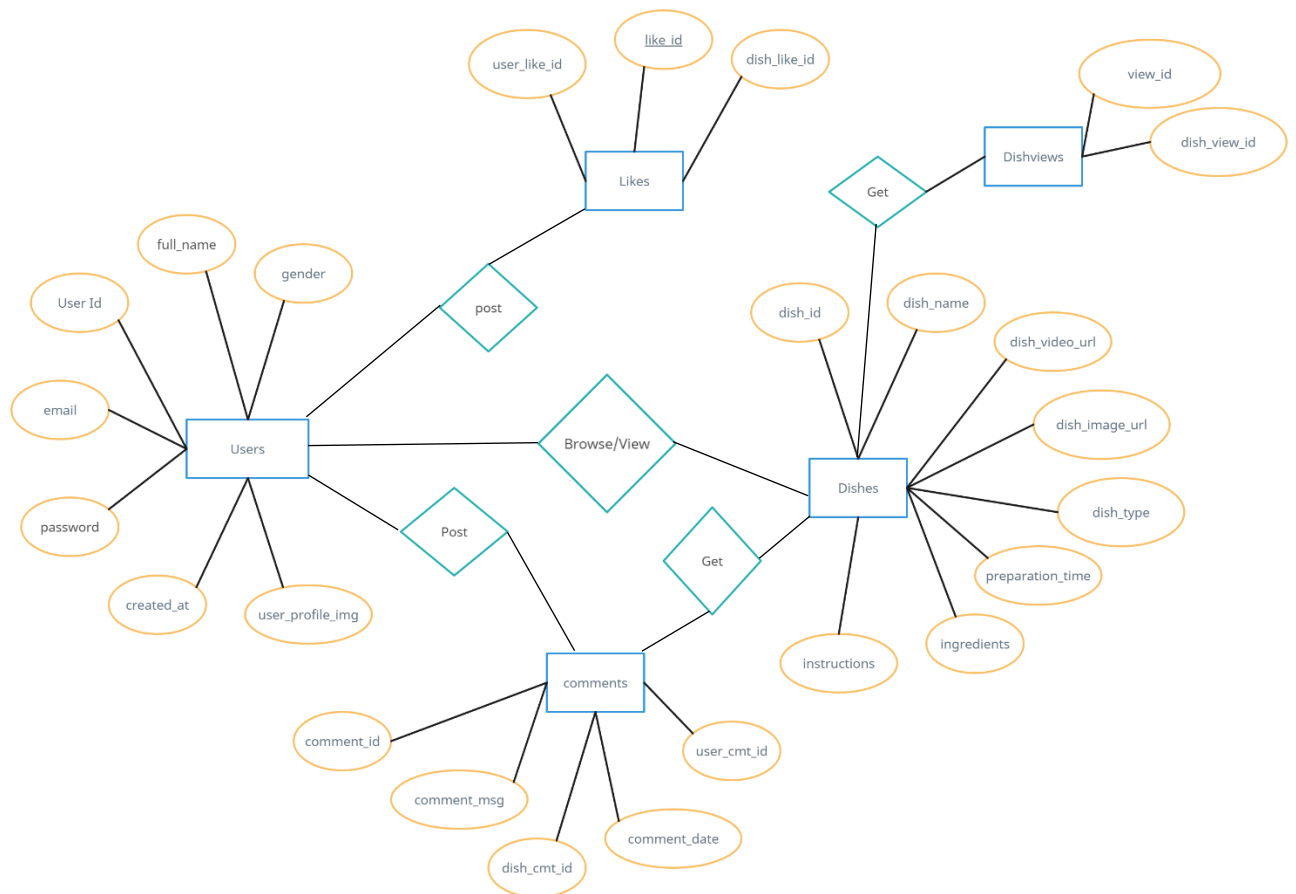
Figure 2 Entity Relationship Diagram

3.2 System design

3.2.1 Architectural design
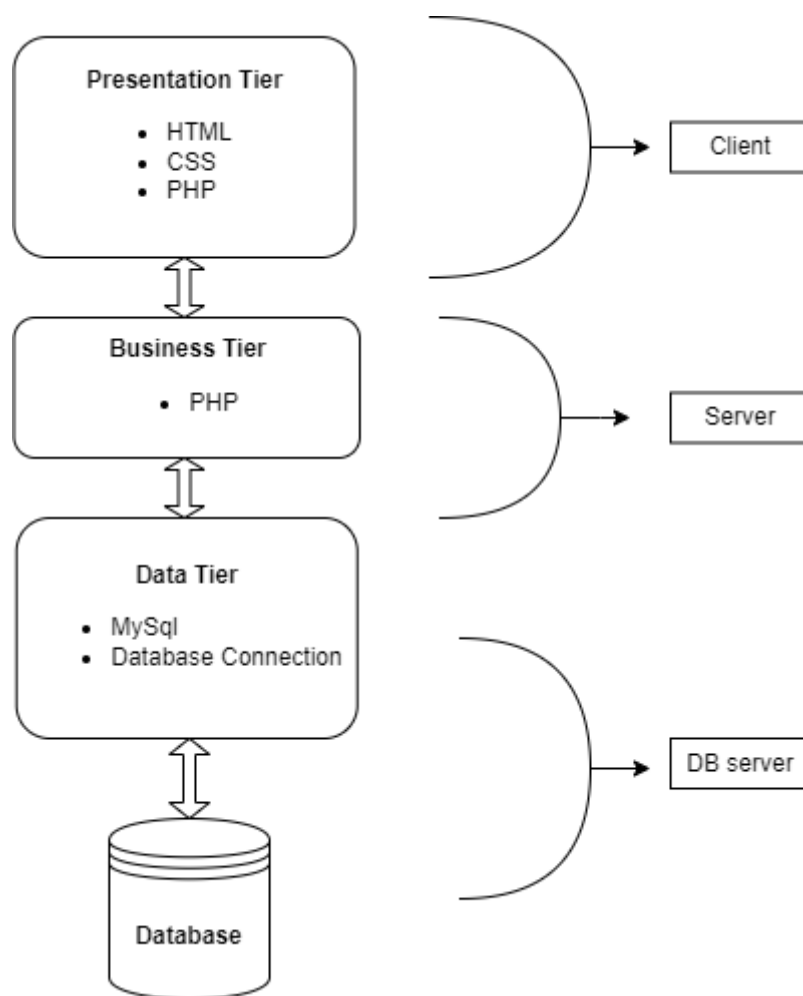
Figure 3 Architectural System Design

3.2.2 Database Schema Design

Figure 4 Databases Table

Figure 5 Like Table

					user_id	full_name	email	password	created_at	user_profile_img
☐	✏ Edit	⬚ Copy	⊖ Delete		1	Manjish Upadhaya	manjishupadhaya@gmail.com	$2y$10$fjc4HptB5sVQFUZypw1D/uNYdiIJT92S/NyqY9sMVvs...	2024-03-03	manjish.png
☐	✏ Edit	⬚ Copy	⊖ Delete		26	Hemu Pradhan	hemu@gmail.com	$2y$10$Mwd/bMr99apig2AiOtcFKedtgwdjNAhhqtfeQ.Ktdde...	2024-03-15	icons8-user-96 (4).png
☐	✏ Edit	⬚ Copy	⊖ Delete		30	Nilam pandey	nilam@gmail.com	$2y$10$60uGUStoJ5LJWqIvhWpBtOwHpJR0cQFXKWIAJjJk9xV...	2024-03-16	WhatsApp Image 2023-1: PhotoRoom (3).pn...
☐	✏ Edit	⬚ Copy	⊖ Delete		31	Shobha Gywali	manju@gmail.com	$2y$10$iVH1dZ5fgRtiCdcXF3gOJe0kX3fSct16l.xjAOezGbA...	2024-03-16	WhatsApp Image 2023-1: PhotoRoom (4).pn...
☐	✏ Edit	⬚ Copy	⊖ Delete		34	Bishnu Gyawali	bishnu@gmail.com	$2y$10$2JY9rgg9glmp5HA4t8FJB.zAH2PYXOXM2iCifTyU97F...	2024-03-17	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		35	Ramcharan Yadav	ramcharan@gmail.com	$2y$10$4U7rBiprm81aOCpS6HuZselTeO.rnw3LQJwfJEvOIQU...	2024-03-17	received_415249732913*
☐	✏ Edit	⬚ Copy	⊖ Delete		36	Santoshi Sapkota	itsmeluray@gmail.com	$2y$10$.Auh7k75uEPfl3mWKnnAI.oCUMKss8hvW2q1hG49aC2...	2024-03-17	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		37	Visionthapa	visionthapa023@gmail.com	$2y$10$2t2fNChTDubZYj7P01SvoexLnB.lnAhAsxRRQ.wMoYP...	2024-03-17	inbound32974990531542
☐	✏ Edit	⬚ Copy	⊖ Delete		38	Nilam Pandey	Nilampandey@gmail.com	$2y$10$f8YfjjPdFoqVPFDAyU4JguittJT3mXW4cyDLkgeaqtF...	2024-03-17	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		39	Karan Tharu	karantharu@gmail.com	$2y$10$YWDYNuq9gLn76OgBCmSvFOYPt2xg42P604x/lfFV49m...	2024-03-17	Screenshot_20240204_0
☐	✏ Edit	⬚ Copy	⊖ Delete		40	Ashok Gurung	asoc.grg@gmail.com	$2y$10$xMnUrKe8Bz1cgl1PEmIZ4OxPu0fxclrE.5ANKSaedAs...	2024-03-18	Ashok.JPG
☐	✏ Edit	⬚ Copy	⊖ Delete		44	Rabi kewat	chaudharyrabi559@gmail.com	$2y$10$SV79MTlvoKUfd0p//9VkhO.MSHkbf6IK..uQ3gw4GXd...	2024-03-19	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		45	Taranath Poudel	gyawalimanzis@gmail.com	$2y$10$ILGDBpXOTTIOMJcjdDZqLOGKRLkAI.VOiWWu1q0/5Zy...	2024-03-19	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		46	Master Chef	baraisandeep789@gmail.com	$2y$10$BTfvTphxT5v.wiFzgpiC9ebFP78iWXt1YnwCfl2JUWW...	2024-03-19	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		47	Nilam	Pandeynilam054@gmail.com	$2y$10$7oAZtD58nlQwdQwoC9o52uxDuccyUTgFe4o94ofe6dk...	2024-03-20	NULL
☐	✏ Edit	⬚ Copy	⊖ Delete		48	Aakash Bhusal	aakash@gmail.com	$2y$10$fi3SwM.2Bvh.ZcgJa9bNG.IbtaQ.7PcROrG/B9/IHc6...	2024-03-20	NULL
						Shesha				

Figure 6 Users Table

Showing rows 0 - 24 (143 total, Query took 0.0001 seconds.)

SELECT * FROM `dishviews`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

| 1 ∨ | > >> | | ☐ Show all | Number of rows: | 25 ∨ | Filter rows: | Search this table | Sort by key: | None ∨ |

Extra options

				view_id	dish_view_id
☐	✏ Edit	⬚ Copy	⊖ Delete	22	16
☐	✏ Edit	⬚ Copy	⊖ Delete	25	16
☐	✏ Edit	⬚ Copy	⊖ Delete	37	16
☐	✏ Edit	⬚ Copy	⊖ Delete	43	16
☐	✏ Edit	⬚ Copy	⊖ Delete	53	16
☐	✏ Edit	⬚ Copy	⊖ Delete	59	16
☐	✏ Edit	⬚ Copy	⊖ Delete	63	16
☐	✏ Edit	⬚ Copy	⊖ Delete	88	16
☐	✏ Edit	⬚ Copy	⊖ Delete	96	16
☐	✏ Edit	⬚ Copy	⊖ Delete	113	16
☐	✏ Edit	⬚ Copy	⊖ Delete	136	16
☐	✏ Edit	⬚ Copy	⊖ Delete	139	16
☐	✏ Edit	⬚ Copy	⊖ Delete	21	18
☐	✏ Edit	⬚ Copy	⊖ Delete	24	18
☐	✏ Edit	⬚ Copy	⊖ Delete	27	18
☐	✏ Edit	⬚ Copy	⊖ Delete	31	18
☐	✏ Edit	⬚ Copy	⊖ Delete	36	18
☐	✏ Edit	⬚ Copy	⊖ Delete	42	18

Console

Figure 7 View Table

SELECT * FROM `comments`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

	comment_id	user_cmt_id	dish_cmt_id	comment_msg	comment_date
✏ Edit 🗎 Copy ⊘ Delete	5	1	18	hello	2024-03-16
✏ Edit 🗎 Copy ⊘ Delete	7	31	18	Yes these cooking are awesome but not really is pe...	2024-03-16
✏ Edit 🗎 Copy ⊘ Delete	9	31	20	dkjdlkjdsl	2024-03-16
✏ Edit 🗎 Copy ⊘ Delete	11	31	20	This dish has been awesome	2024-03-17
✏ Edit 🗎 Copy ⊘ Delete	12	31	22	Nice Dish Ever Loved It	2024-03-17
✏ Edit 🗎 Copy ⊘ Delete	13	35	22	Happy to see struggle on cooking	2024-03-17
✏ Edit 🗎 Copy ⊘ Delete	14	38	22	good😊😊	2024-03-17
✏ Edit 🗎 Copy ⊘ Delete	15	39	22	This works	2024-03-17
✏ Edit 🗎 Copy ⊘ Delete	16	40	21	Nice video	2024-03-18

Check all   With selected: ✏ Edit 🗎 Copy ⊘ Delete 📄 Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Figure 8 Comment Table

dish_id	dish_name	dish_owner_id	dish_image_url	preparation_time	ingredients	instructions	dish_video_url	dish_typ
16	Pizza Cheese	NULL	freshly-italian-pizza-with-mozzarella-cheese-slice...	1 hour 30 minutes	Masala, Onion, Scabbage, Sandwhich , Onion, Potato...	akdam bakdam lasun bakdam	pexels_videos_1908426 (2160p).mp4	Nepali
18	Tastier Than Ever DIsh	NULL	tasty-homemade-traditional-pizza-italian-recipe.jp...	80minutes	Onion Garlic Flous tomato extra	sdfkjasldfjdalskfjaldjfl	video (2160p) (1).mp4	Nepali
20	Pizza Dough	NULL	Pasta-Bolognese-TIMG.jpg	40 Minutes	1 cup warm water (110 degrees F/45 degrees C) 1 (....	1.Preheat your oven to 350°F (175°C). Grease a 9x9...	8_easy bread sandwich recipes (1).mp4	American
21	Carrot Cake	NULL	432227713_122133255722156501_142428327089229689_n....	1 Hour	Maida - 2 Cups Baking Soda - 2 tsp Cinnamon powder...	n a medium-sized mixing bowl, whisk flour, baking ...	Carrot Cake Recipe _ Moist Carrot Cake_ Easy Carro...	American
22	Garlic Spicy Chicken	NULL	20240129_145520.jpg	45 MInutes	Marination: Chicken (Boneless cubes) - 300 grams G...	Marinate the chicken with all the required ingredi...	Spicy Garlic Chicken _ Chicken Starters Recipe _ C...	Italian
23	Chatamari	NULL	Chatamari.jpg	20 minutes	2 cup of rice flour 3/4 cup of water 250 gram min...	Mix rice flour with water until we see a thin batt...	NULL	Nepali
		NULL					Indian Style Macaroni	

Console

Figure 9 Dish Table

3.2.3 Interface Design
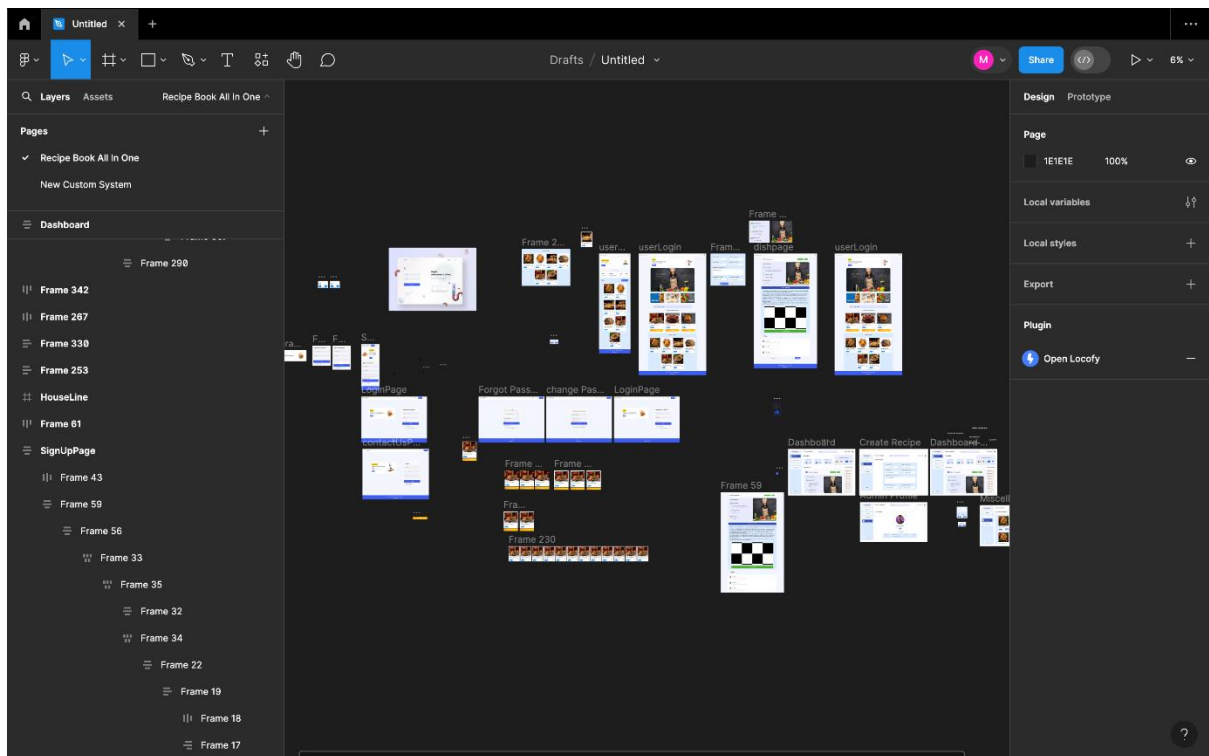
Figure 10 FIgma UI Design Concept
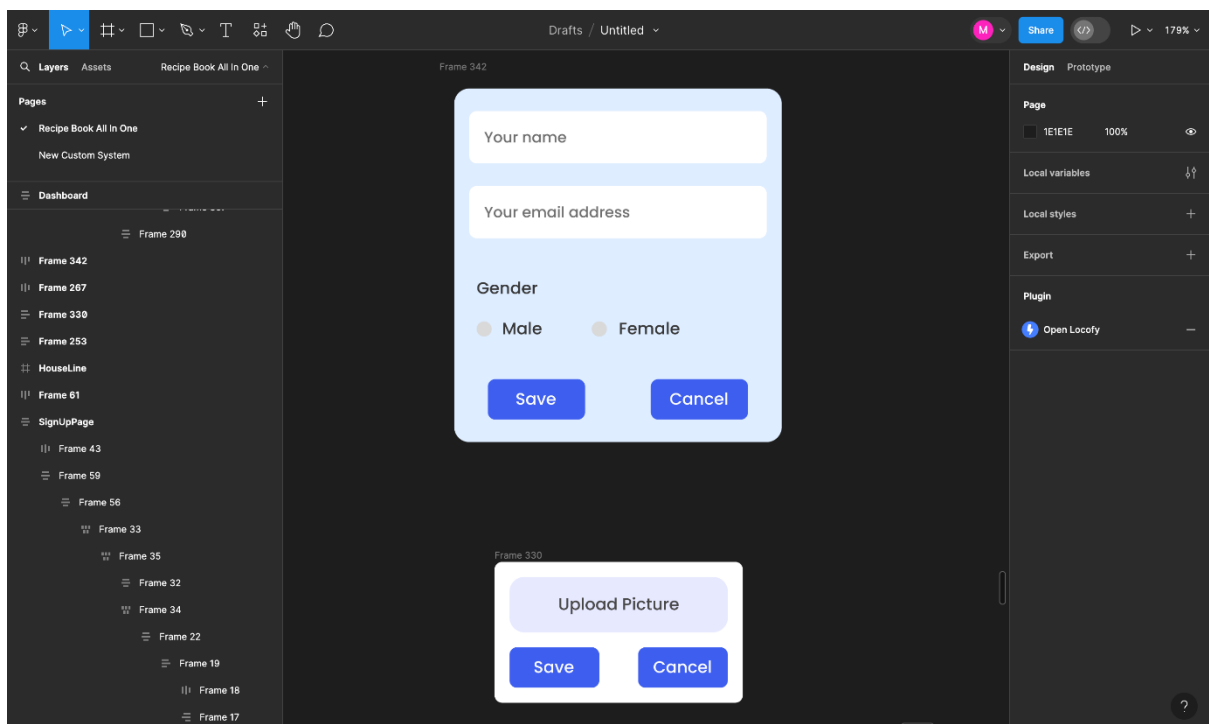
Figure 11 Edit Details Ui Design
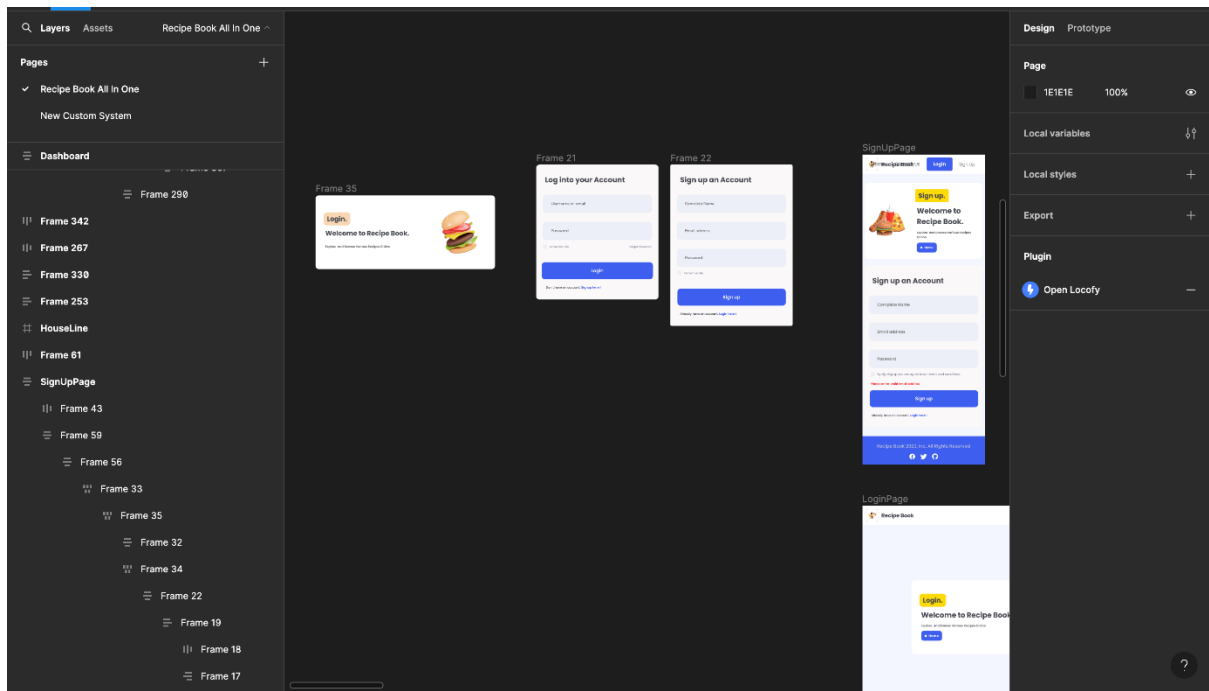
Figure 12 Welcome Window login signup UI
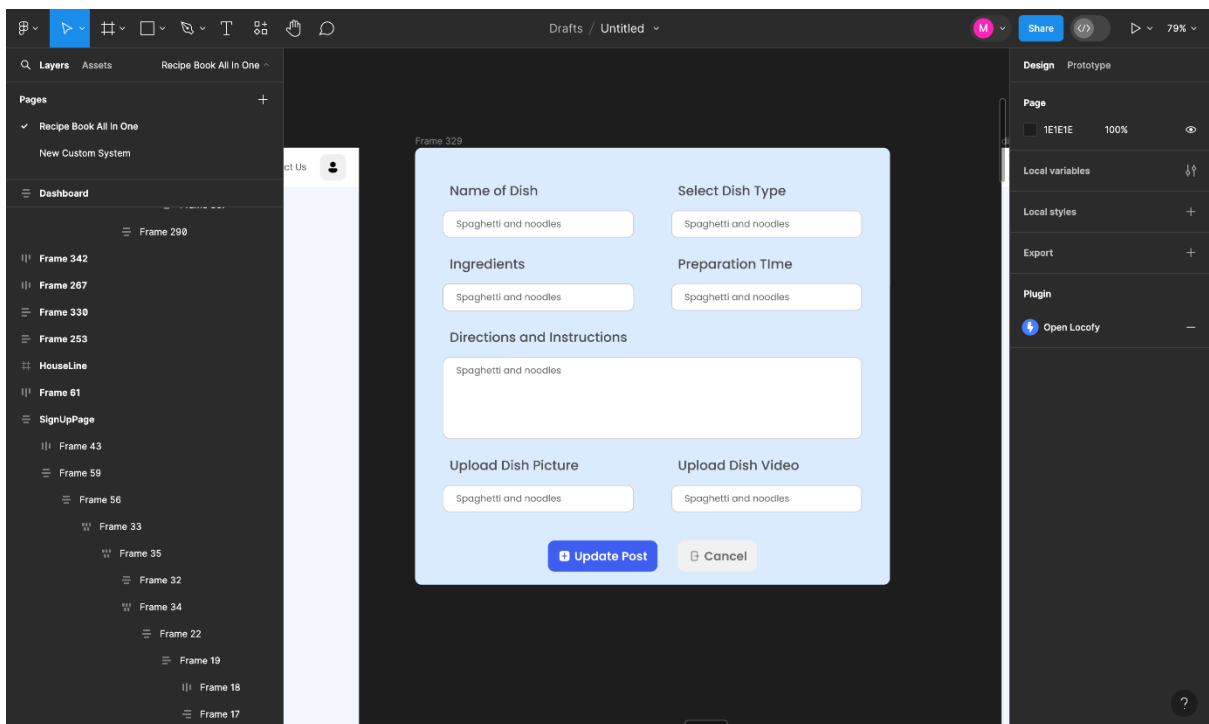
Figure 13 Create dish Ui

Chapter 4 Implementation and Testing

4.1 Implementation

In this Phase, theoretical design is turned into practice ie working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively. The system can be implemented only after thorough testing is done and if it is found to work according to the specification.

4.1.1 Tools Used (Case Tools, Programming tools, Database Platform)

Tools that are used while designing this website are:

Front end: HTML, CSS, JavaScript

Backend : PHP, MySQL, Apache Server

4.2 Testing

4.3 Test Cases For Unit Testing

Unit testing emphasizes the verification effort on the smallest unit of software design i.e.; a software component or module. Unit testing is performed in parallel with the coding phase. Unit testing tests units or modules not the whole software. I have tested each view/module of the application individually. As the modules were built up testing was carried out simultaneously, tracking out each and every kind of input and checking the corresponding output until module is working correctly.

Users Can view the recipes and able to watch videos along with liking the dishes recipes and posting comments.

Test Case Id	Test Scenario	Test Steps	Test Data	Expected Result	Pass/Fail
T1	View Recipes	Go to Different Recipes, Browse and View them	Click on recipe user interface i.e. View Recipe	User must see the recipes information and instructions	PASS

Table 1 Test Result of View Recipes

Test Case Id	Test Scenario	Test Steps	Test Data	Expected Result	Pass/Fail
T2	Like/Dislike and Comment on Recipe	Open any recipe, if you loved it press like and leave a comment to provide feedback	Hit the like button to like, write a valid comment and hit a post button	Like button must be turn blue after like and total like must be updated, comment must be shown as user's data on dish post	PASS

Table 2 Test Results of Liking and Commenting on a Dish

Test Case Id	Test Scenario	Test Steps	Test Data	Expected Result	Pass/Fail
T3	Create , Edit and Update Recipe Data	Go to Admin Panel Create , Edit or Update any any recipes.	A recipe has been Filled, edited and updated and deleted.	Recipe Created successfully , Edited successfully and Deleted Successfully	PASS

Table 3 Test Result of Creating, Editing and Deleting Recipe

Test Case Id	Test Scenario	Test Steps	Test Data	Expected Result	Pass/Fail
T1	Edit User Profile, Admin Profile	Go to profile , change picture, gender, name data to new data.	A Picture has been uploaded and a gender has been selected.	The Profile section must be updated with new image of user and gender or any other changes made	PASS

Table 4 Test Result for editing profiles

4.3.1 Test Cases For System Testing

User Registration Test			
User Full Name	Email	Password	Passed
Manjish Upadhaya	manjishupadhaya@gmail.com	itsmeadmin	passed
vi	visonthapa@gmail.com	itsmeuser	Failed (full name must be 3 characters long)
helloworld	Helloworld.com	helloworld	Failed(invalid email format)
Tara upadhya	taraupadhaya@gmail.com	Tara1234	passed
Ashok gurung	Ashok@gmail.com	ash	Failed (must be 8 characters long)

Table 5 Test Result for User Registration(SignUp)

Comment Action Test			
Test Number	Test Case Specification	Expected Result	Passed
01	No comment inserted	Give message : Please enter a comment	Pass

| 02 | Input 'a' | Give message : Comment must be 3 characters long | Pass |
| 03 | Input "Nice Dish" | Give message : Comment Posted successfully | Pass |

Table 6 Test Result for Commenting on a post

Dish Creation Test			
Test Number	Test Case Specification	Expected Result	Passed
01	No Data Filled in the fields	Give message : Please Fill in all fields	Pass
02	Input dish details without uploading medias	Give message : Please upload media files	Pass
03	Input all the dish information and hit create button	Give message : Dish Created successfully	Pass

Table 7 Test Result for creating a dish

Profile Page Action Test		
Actual Action	Actual output	Passed
Change user name From "Manjish" to "Ramesh"	The name must be reflected with Hi Ramesh,	Passed
Change profile image	The profile image has been changed	Passed
Change gender from male to female	The gender shows female.	Passed

Table 8 Test Result for Changes in a profile page

Dish Page action test		
Actual Action	Actual output	Passed
Hit the like button on a dish	Like buttons turns blue and total like will updated(Increased) and fetched immediately	Passed
Write a comment and hit post button	Comment msg will be posted and displayed into the dish page of only particular dish.	Passed

Unlike the dish which liked before.	The like will be change to unliked (no color) and like will be updated(decrease) and fetched immediately	Passed

Table 9 Test Result for Actions on a Dish Pages

Chapter 5 Conclusion and Future Recommendations

5.1 Lesson learnt

Developing the Recipe Book website taught us several important lessons:

1. Effective communication and collaboration among the team were crucial for aligning goals and meeting milestones.
2. User testing and an iterative approach allowed us to gather feedback and improve the user experience continuously.
3. Realistic planning and time management helped us allocate resources better and set achievable timelines.
4. Thoroughly researching and evaluating technologies early on prevented future roadblocks.
5. Adhering to best coding practices, such as clear documentation and maintainable code, facilitated collaboration and future enhancements.

These lessons will aid us in tackling future projects more efficiently and effectively.

5.2 Conclusion

The Recipe Book website is a successful online platform for sharing and discovering recipes. We worked hard to make it user-friendly with key features like recipe management for admins, browsing and search tools, video integration, social interactions, and download options for users.

Building this website taught our team valuable lessons about managing projects well, designing for users, and following best practices. We are confident the Recipe Book website will become a popular resource for food lovers to join an online community centered around cooking.

With its easy-to-use interface and helpful tools, the website meets the needs of both recipe creators and cooking enthusiasts. We are excited for the positive impact the Recipe Book can have by allowing people to explore recipes while bringing together their shared love of food.

5.3 Future Recommendations

The Recipe Book website can be made even better in the future. One big idea is to allow all users to share their own recipes, just like on social media. This would make the website more interactive and help build an online community of food lovers.

Another improvement could be personalizing recipe suggestions for each user based on their food preferences and dietary needs. Using advanced technology, the website could analyze user data and recommend recipes they might enjoy.

Adding an online store is another possibility, where users could buy cooking tools, ingredients, or even full meal kits. Partnering with local farms or specialty food sellers could give users access to unique, high-quality items.

Finally, creating mobile apps for smartphones and tablets would make the Recipe Book website much easier to use on-the-go. Mobile apps could use camera features to identify ingredients or allow voice commands for hands-free cooking.

With these future upgrades, the Recipe Book website could become the top online destination for everyone passionate about food and cooking from around the world.

Appendices(ScreenShots) :

Home Page
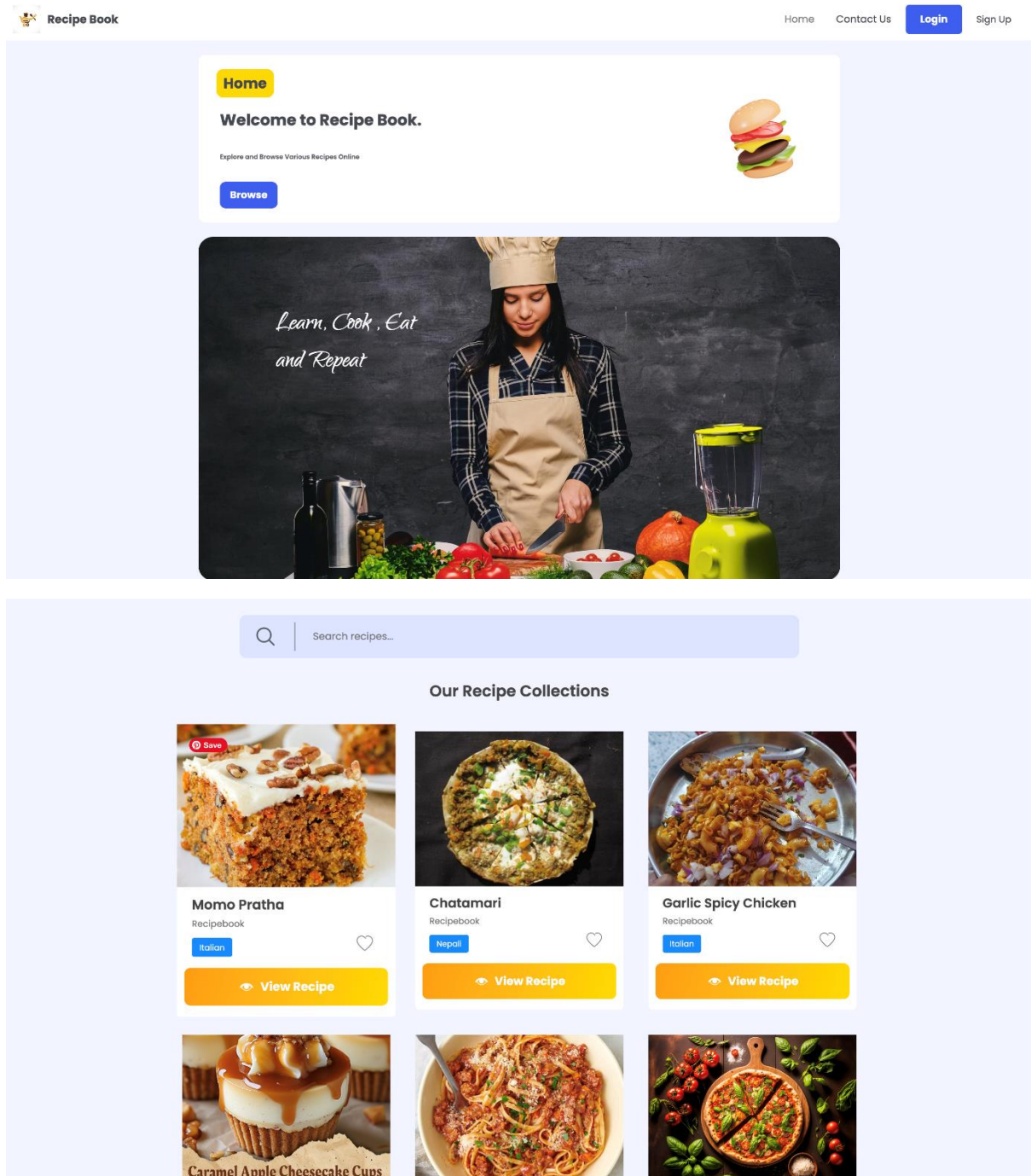
Login Page

Login.

Welcome to Recipe Book.

Explore and Browse Various Recipes Online

🏠 Home

Log into your Account

Email address

Password

☐ Remember Me   Forgot Password

Login

Don't have an account, **Signup here !**

Sign up Page

Sign up.

Welcome to Recipe Book.

Explore and Browse Various Recipes Online

🏠 Home

Sign up an Account

Complete Name

Email address

Password

☐ By signing up you are agree to our terms and condtions.

Sign up

Already have an account, **Login here !**

Admin Dashboard

Create Dish Page

Admin Miscelleanous

User Profile Page

Dishpage

‹ Momo Pratha   `12 Minutes` `Italian`

Dish Information

🧺 **Ingredients :**

dsfasdlkfadsjf

⏱ **Cooking Time :**

12 Minutes

🍽 **Dish Type:**

Italian

Cooking Instruction

dfaksdjflkasdjf

0:00 / 5:53

⬇ **Download Video**

👍 **0 Likes**

No comments yet

Write a comment...   **Post Comment**

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