



MIDTERM PROJECT PRESENTATION

FOOD RECIPE RECOMMENDATION SYSTEM

- TEAM: 4WIZ



TEAM MEMBERS AND ROLES



TEAM MEMBERS :

SHANKARI SUNDARAM

MANIDEEP ABBIDI

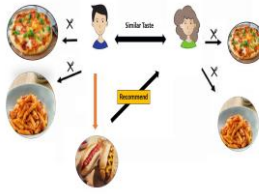
VENKAT JEEVAN KADALI

DOLLY SRI VEMULA

PROJECT GUIDE

Dr.ERIK FREDER





AGENDA

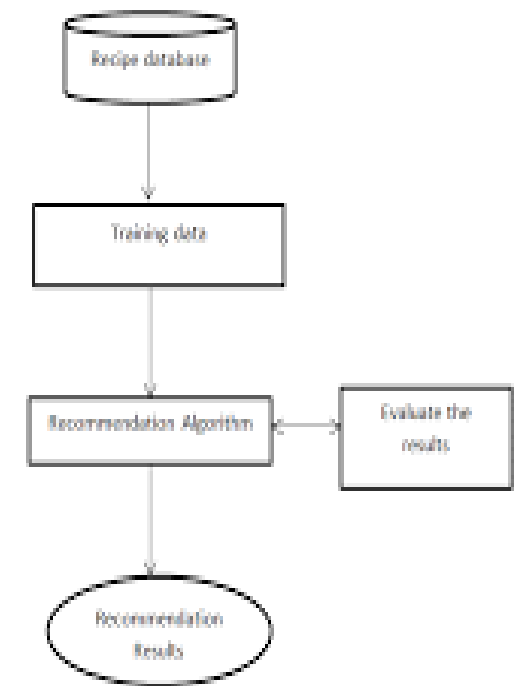


1. Project Description
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PROJECT DESCRIPTION

“From Ingredients to Delights” is a cutting-edge project that brings Indian culinary exploration to your fingertips. Whether users are navigating dietary restrictions, budget constraints, or simply seeking culinary inspiration, our platform is here to make their cooking journey hassle-free and enjoyable. Using state-of-the-art algorithms, we offer accurate and innovative recipe recommendations, ensuring that users' culinary adventures are nothing short of exceptional. Welcome to a world where creativity meets flavor, where they can explore and savor every bite.



TECHNOLOGY



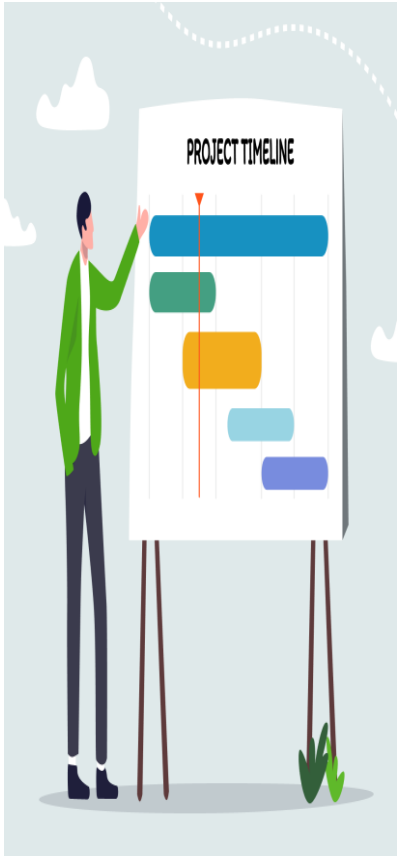
PYTHON

HTML,CSS

JSON

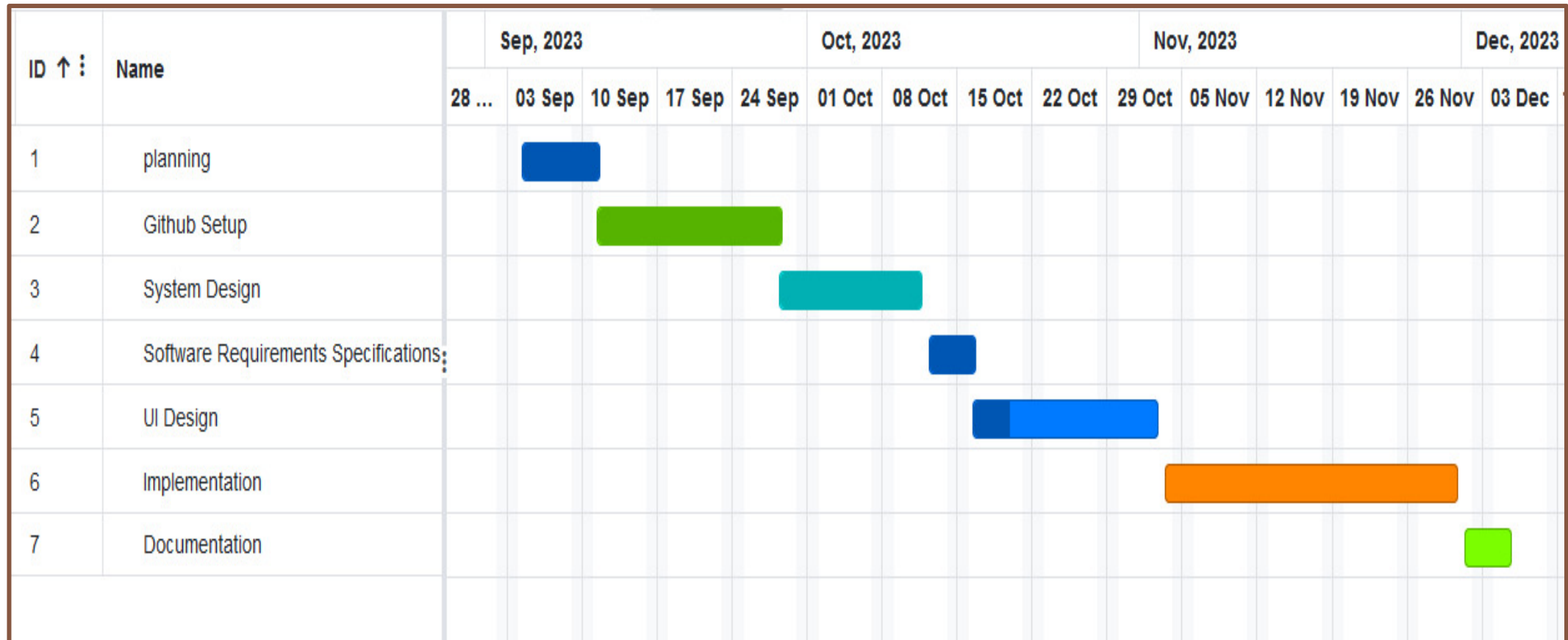
FLASK

PROJECT TIMELINE

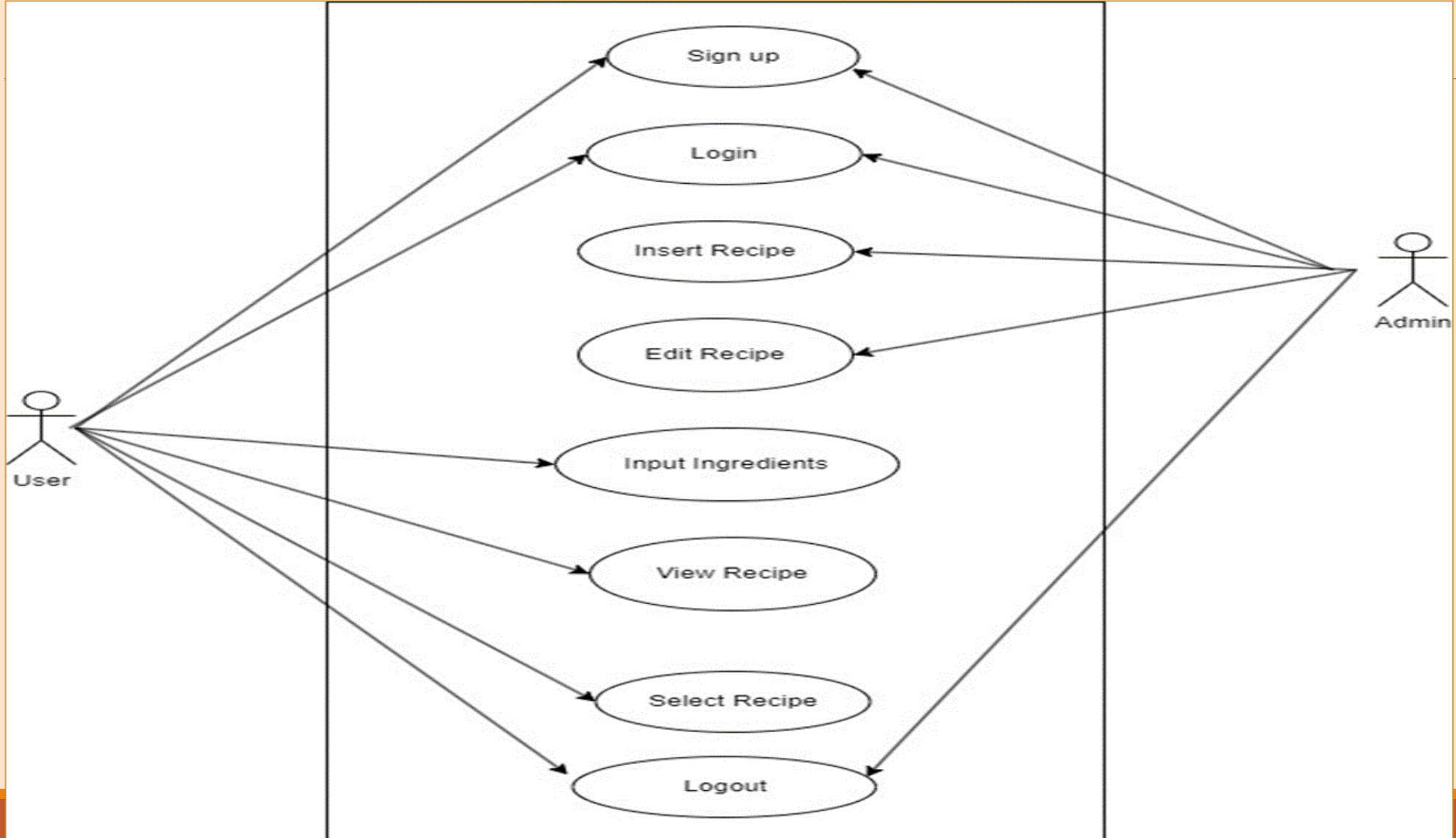
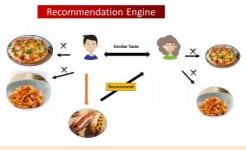


PROJECT TIMELINE					
ID	Name	Start Date	End Date	Duration	Progress %
1	planning	Sep 04, 2023	Sep 11, 2023	6 days	100
2	Github Setup	Sep 11, 2023	Sep 28, 2023	14 days	100
3	System Design	Sep 28, 2023	Oct 11, 2023	10 days	100
4	requirements Sp	Oct 12, 2023	Oct 16, 2023	3 days	100
5	UI Design	Oct 16, 2023	Nov 02, 2023	14 days	20
6	mplementation	Nov 03, 2023	Nov 30, 2023	20 days	0
7	Documentation	Dec 01, 2023	Dec 05, 2023	3 days	0

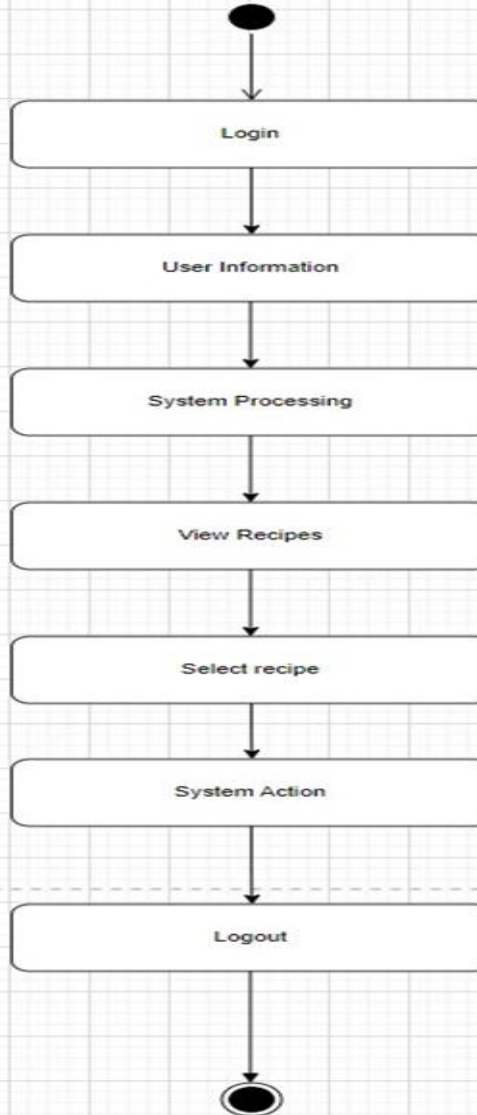
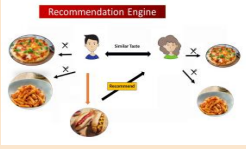
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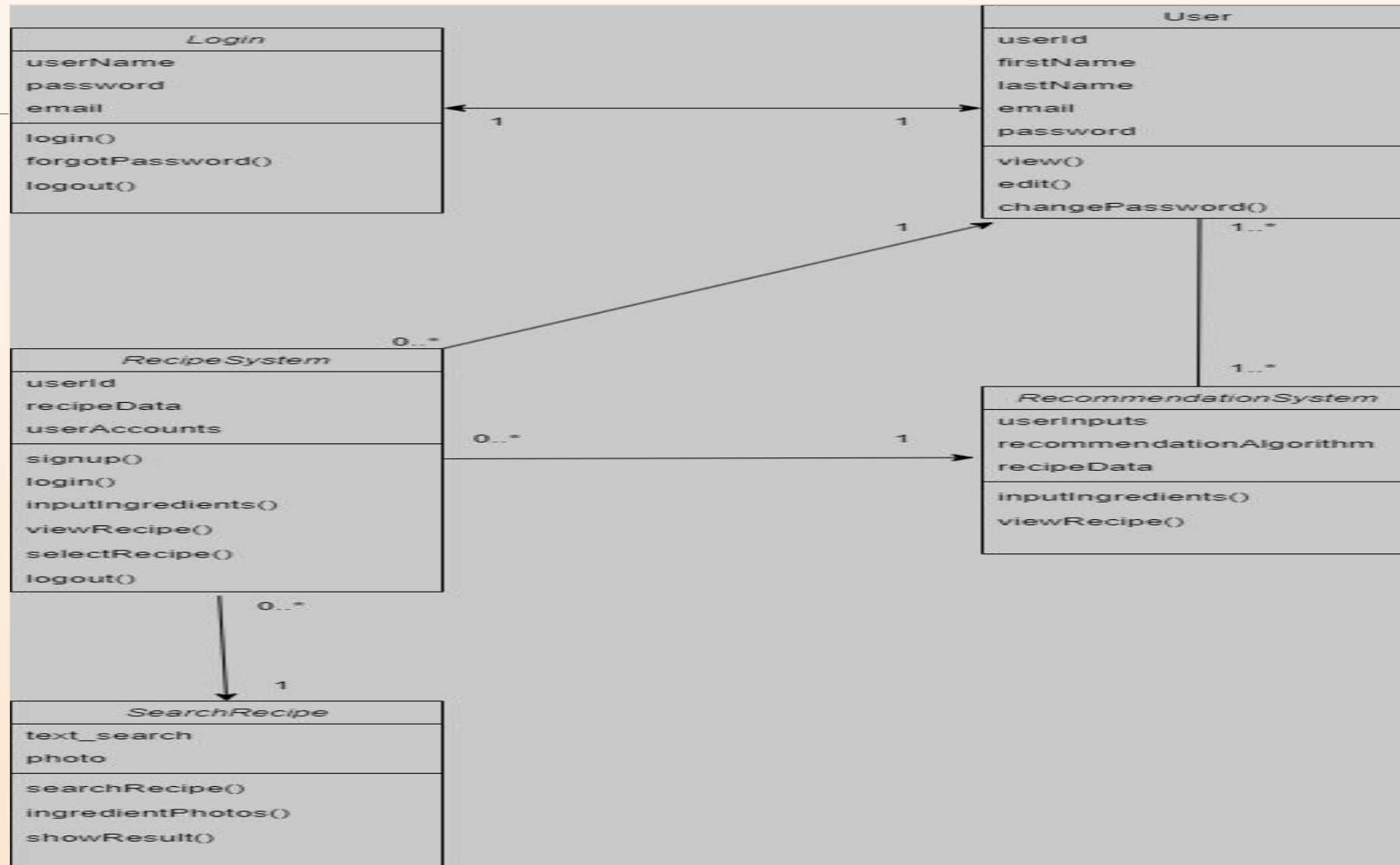
USE CASE DIAGRAM



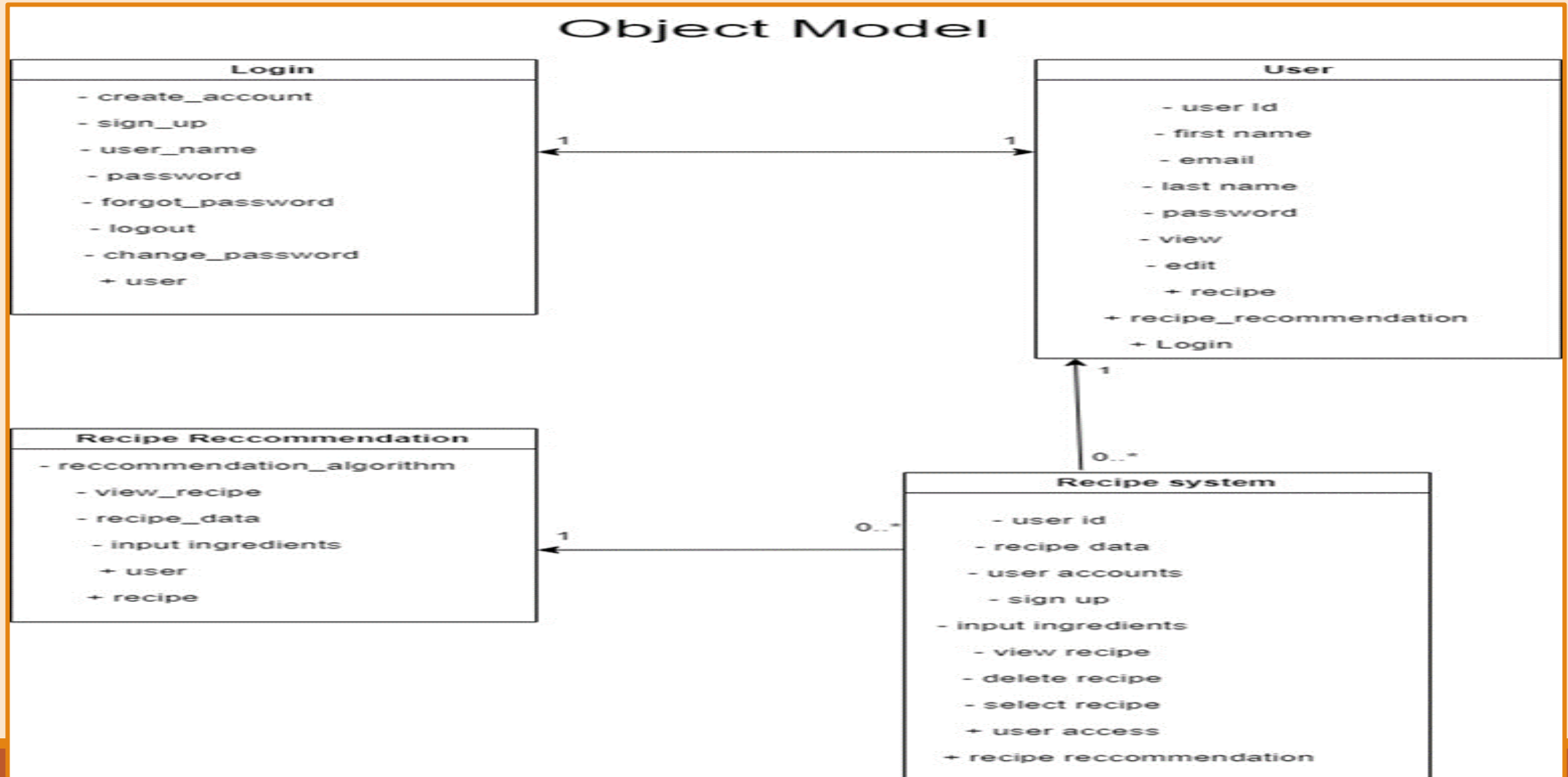
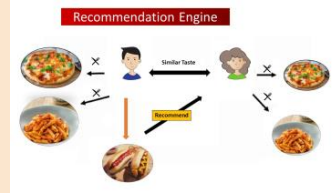
ACTIVITY DIAGRAM

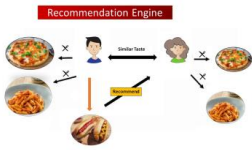


CLASS DIAGRAM



OBJECT DIAGRAM





REQUIREMENT(S)

Functional Requirements

User Registration and Account Management

FR1: The system shall allow users to register an account, providing their name, email, and a unique username.

FR2: The system shall allow users to log in to access the application system.

Ingredient Input and Recipe Recommendations

FR3: Users shall be able to input a list of ingredients they have or wish to use for cooking.

FR4: The system shall validate and process the user-inputted ingredients to ensure accurate and relevant recipe recommendations.

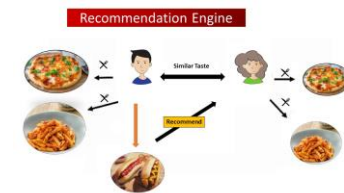
FR5: The system shall suggest ingredient substitutions for users based on their choices, accommodating dietary preferences and ingredient availability.

Recipe Search and Viewing

FR6: Users shall search for recipes based on keywords, ingredients, cuisine, or dietary requirements.

FR7: Users shall have the capability to access detailed recipe information, including ingredients, cooking methods, and nutritional data.

FR8: Users shall be able to store their preferred recipes for quick access and future reference.



REQUIREMENT(S)

Non-Functional Requirements

Performance and Scalability

NFR1: The system shall respond quickly to multiple users, providing recipe recommendations within 3 seconds.

NFR2: The system shall continually add new ingredients and recipes to maintain a growing database.

NFR3: The system shall be built to support an increasing number of users and recipes without suffering significant performance reduction.

NFR4: Load balancing shall distribute traffic across multiple servers for smooth performance during high-demand periods.

Data Protection and Security

NFR5: User data, including ingredient lists and personal information, shall be securely stored and protected from unauthorized access.

NFR6: The system shall employ industry-standard encryption techniques to safeguard user credentials and data privacy.

Usability and Quality Control

NFR7: The system shall feature an intuitive, cross-device user interface for easy navigation on various devices.

NFR8: Quality assurance procedures shall be established to ensure the precision and dependability of recipe recommendations.

CURRENT IMPLEMENTATION

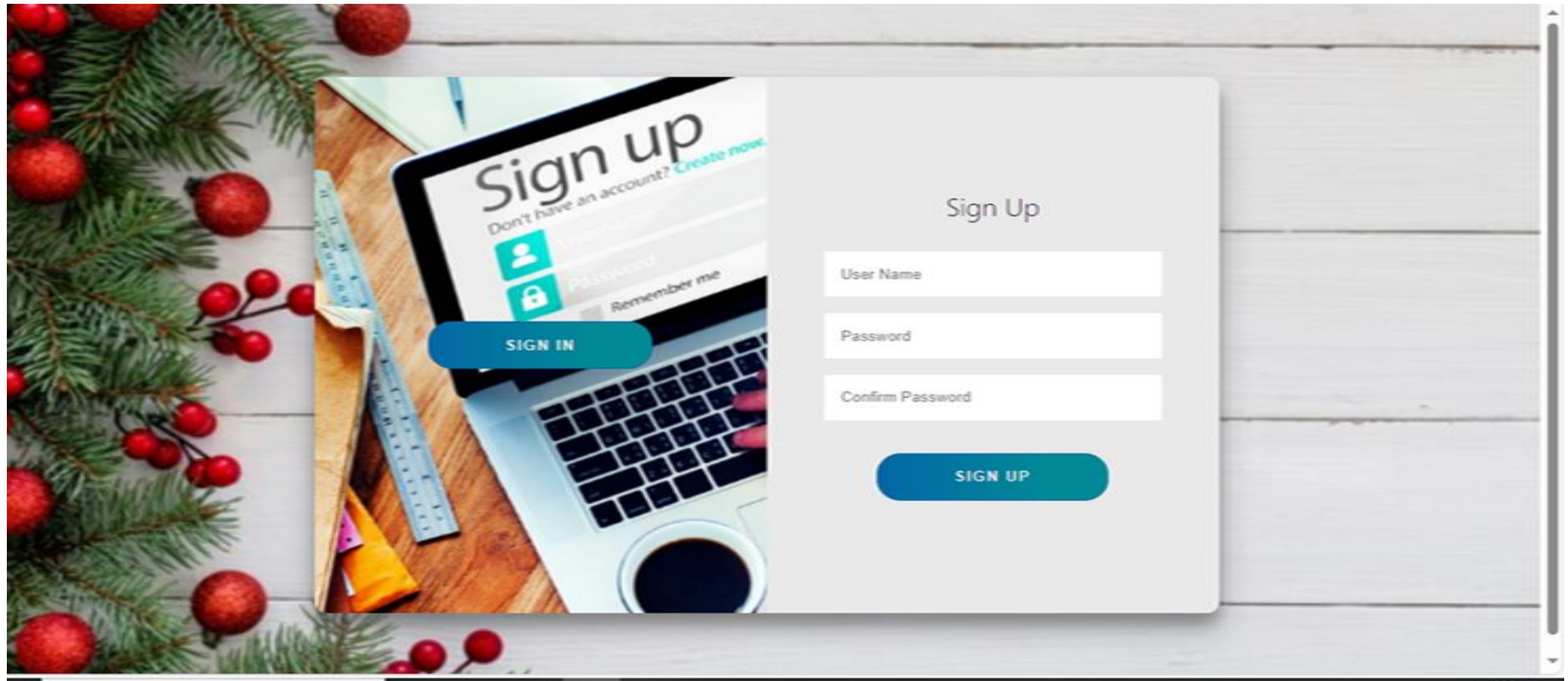
Recipe Recommendation System

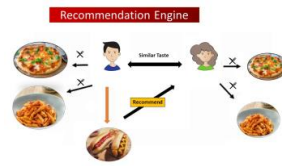
Sign In

SIGN IN

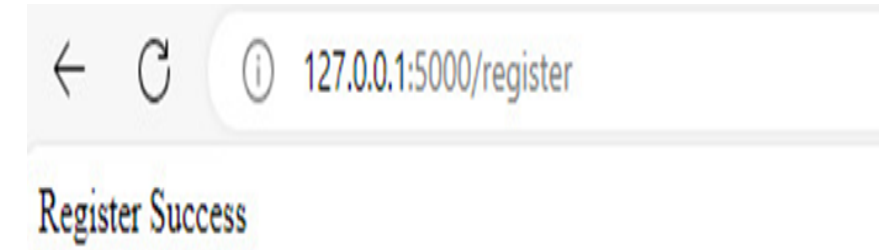
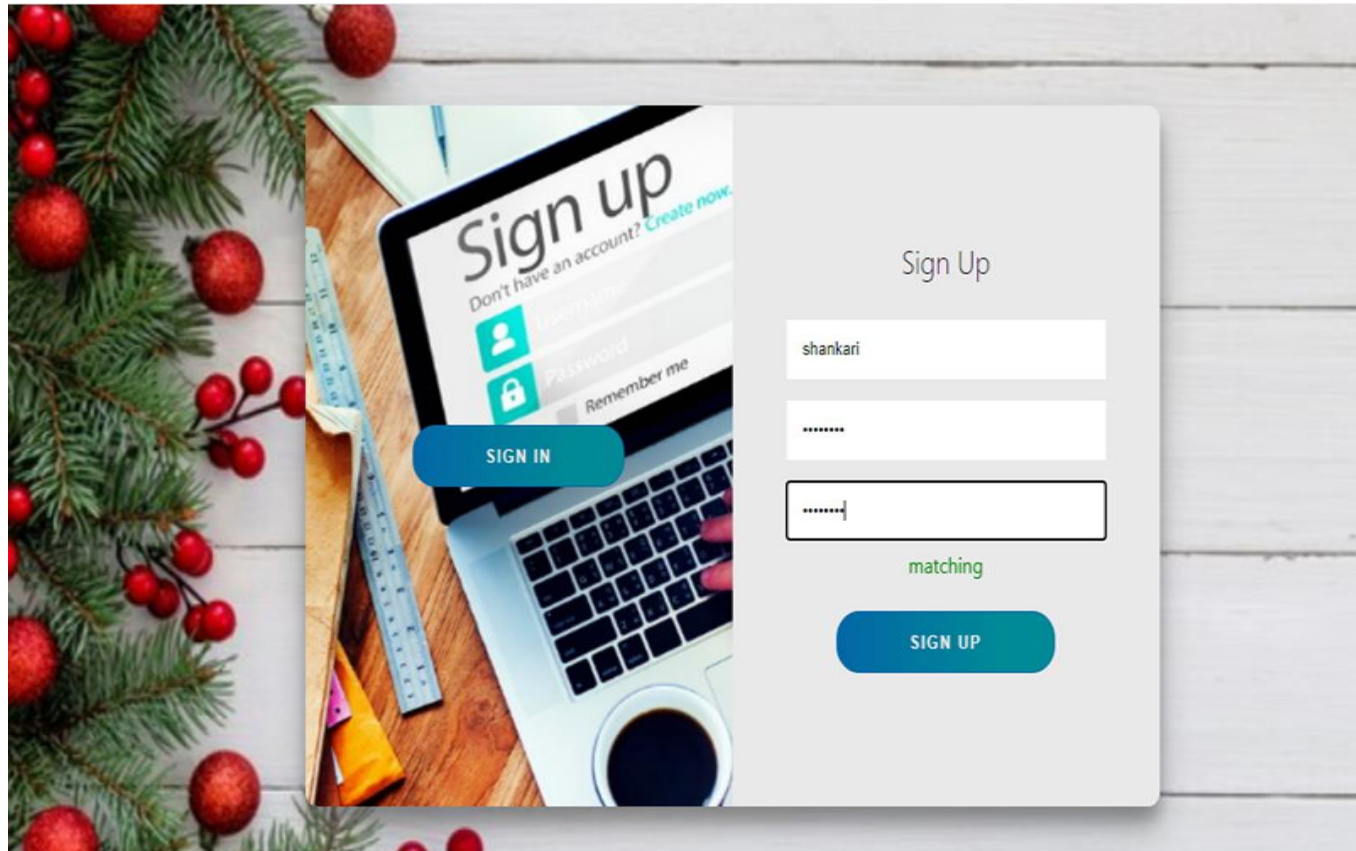
SIGN UP

CURRENT IMPLEMENTATION





CURRENT IMPLEMENTATION



Thank You