Student Recipe Sharing Platform

User Requirements Specifications

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S2-CB03
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Contents

Functional requirements

ID	Name
FR-01	Authentication and Account Management
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FR-03	Planning and Shopping

Use Cases

FR-01: Authentication and Account Management

Component	Description
ID	UC-01
Description	Registration (desktop)
Actor	Employee
Pre-condition	Actor has accessed the registration page.
Main success scenario	
1.	Actor starts the desktop application and navigates to the registration.
2.	System prompts the actor to fill in a username, a password, and their BSN, and to answer a security question.
3.	Actor fills in the username, password, and BSN.
4.	System prompts the actor to choose their gender.
5.	Actor selects their gender from the options.
6.	System prompts the actor to fill in their email, first and last name.
7.	Actor fills in their email, first and last name.
8.	System prompts what the actor to select their birthdate.
9.	Actor selects their birthdate from the calendar and submits it.
10.	System verifies the information and creates a new account.
Extensions	
3a.	Username is already taken.
1.	*System prompts the actor to choose a different username.*
2.	*Return to MSS step 2.*
3b.	Password is not strong enough.
1.	*System prompts the actor to pick a stronger password.*
2.	*Return to MSS step 2.*
3c.	BSN already exists in the system.
1.	*System notifies the actor the BSN is already in use.*
2.	*Return to MSS step 2.*
3d.	BSN validation issues (letters, symbols, length).
1.	*System notifies the actor of the specific BSN error.*
2.	*Return to MSS step 2.*
7a.	Email format error.
1.	*System notifies the actor of the email format error.*
2.	*Return to MSS step 6.*
7b.	First/Last name format error (numbers and symbols).
1.	*System notifies the actor the first name must contain only letters.*
2.	*Return to MSS step 6.*
9a.	Actor's age is below 14 years old.
1.	*System notifies the actor they cannot register due to their age.*
2.	*Return to MSS step 8.*
9b.	*There are empty fields.*
1.	*System prompts the actor not to leave any fields empty.*

Component	Description
ID	UC-02
Description	Registration (website)
Actor	Client
Pre-condition	Actor has accessed the registration page.
Main success scenario	
1.	Actor accesses the web application and navigates to the registration.
2.	System prompts the actor to fill in a username, their email, and a password, and to answer a security question.
3.	Actor fills in the credentials and submits it.
4.	System verifies the information and creates a new account.
Extensions	
3a.	Username is already taken.
1.	*System prompts the actor to choose a different username.*
2.	*Return to MSS step 2.*
3b.	Email format error.
1.	*System notifies the actor of the email format error.*
2.	*Return to MSS step 2.*
3c.	Password is not strong enough.
1.	*System prompts the actor to pick a stronger password.*
2.	*Return to MSS step 2.*
3d.	*There are empty fields.*
1.	*System prompts the actor not to leave any fields empty.*
2.	*Return to MSS step 2.*

Component	Description
ID	UC-03
Description	Logging in.
Actor	Client/Manager/Employee
Pre-condition	Actor must have a registered account.
Main success scenario	
1.	Actor starts the application.
2.	System asks for the actor's username and password.
3.	Actor fills in the credentials and submits it.
4.	System verifies the credentials and grants access.
Extensions	
3a.	Username does not match any of the registered ones.
1.	*System prompts the actor to input the correct username.*
2.	*Return to MSS step 2.*
3b.	Password is incorrect.
1.	*System prompts the actor to input the correct password.*
2.	*Return to MSS step 2.*
3c.	*There are empty fields.*
1.	*System prompts the actor not to leave any fields empty.*
2.	*Return to MSS step 2.*

Component	Description
ID	UC-04
Description	Forgotten Password (desktop)
Actor	Employee/Manager
Pre-condition	Actor must have a registered profile.
Main success scenario	
1.	Actor indicates they have forgotten their password.
2.	System prompts the actor to enter their username, the answer to the security question and their new password.
3.	Actor fills in the answer and submits their answer.
4.	System verifies the information and changes the actor's password.
Extensions	
3a.	The username is not recognised.
1.	*System prompts the actor to input the correct username.*
2.	*Return to MSS step 2.*
3b.	The actor's answer does not match with the original one in the system.
1.	*The system prompts the actor to fill in the right answer.*
2.	*Return to MSS step 2.*
3c.	*There are empty fields.*
1.	*System prompts the actor not to leave any fields empty.*
2.	*Return to MSS step 2.*

Component	Description
ID	UC-05
Description	Forgotten Password (website)
Actor	Client
Pre-condition	Actor must have a registered profile.
Main success scenario	
1.	Actor indicates they have forgotten their password.
2.	System prompts the actor to enter their email.
3.	Actor fills in their email.
4.	System sends an email to the actor's email to confirm their identity.
5.	Actor confirms it.
6.	System redirects them to a web page and prompts the actor to input the new password and to repeat the new password.
7.	Actor fill in the fields and confirms the change.
8.	System verifies the information and changes the password.
Extensions	
3a.	The email is not recognised.
1.	*System prompts the actor to input the correct email.*
2.	*Return to MSS step 2.*
7a.	The two password fields do not match.
1.	*The system prompts the actor to fill in matching passwords.*
2.	*Return to MSS step 6.*

Component	Description
ID	UC-06
Description	Managing User's Information
Actor	Manager/Employee/Client
Pre-condition	Actor must be logged in.
Main success scenario	
1.	Actor navigates to the 'User Profile' section.
2.	System displays the actor's personal information.
3.	Actor requests to change it by selecting the "Edit" option.
4.	System presents all the actor's information that could be edited.
5.	Actor updates the necessary fields and confirms the change.
6.	System verifies the new information and updates it.
Extensions	
5a.	Errors in the information.
1.	*The system prompts the actor to fix it.*
2.	*Return to MSS step 4.*

FR-02: Recipe Management

Component	Description
ID	UC-07
Description	Filtering Recipes on Various Criteria.
Actor	Client
Pre-condition	Recipes must be uploaded and available in the system.
Main success scenario	
1.	Actor navigates to the recipe search section.
2.	System displays a set of filtering options, including meal type, budget, cooking time, difficulty, and dietary preferences.
3.	Actor supplies the desired filters and submits the search request.
4.	System searches the recipe database, based on provided filters and displays matching results.
Extensions	
4a.	No recipes match the selected filters.
1.	*System displays a message indicating no results found and suggests modifying search criteria.*
2.	*Return to MSS step 2.*

Component	Description
ID	UC-08
Description	Adding Recipes to To-Do List.
Actor	Client
Pre-condition	Actor must be logged in.
Main success scenario	
1.	Actor navigates to the recipe search section and selects a recipe from the search results.
2.	System displays the selected recipe with detailed information and an option to 'add to the to-do list'.
3.	Actor clicks 'Add to To-Do List' option.
4.	System checks for duplication, adds it to the list and confirms the action.
Extensions	
4a.	The recipe is already in the to-do list
1.	*System notifies the actor about the duplication and does not add the recipe again.*
2.	*Return to MSS step 2.*

Component	Description
ID	UC-09
Description	Uploading a Recipe.
Actor	Manager/Employee
Pre-condition	Actor must be logged in.
Main success scenario	
1.	Actor navigates to the recipe upload section of the admin dashboard.
2.	System asks for recipe title, ingredients, and the cooking instructions.
3.	Actor fills in the recipe information.
4.	System asks whether the recipe is for a food or drink.
5.	Actor checks the applicable option.
6.	System asks for any applicable dietary restriction, cooking time, difficulty, and budget filters.
7.	Actor selects the applicable filters.
8.	System requests a picture of the recipe.
9.	Actor uploads the picture and confirms it.
10.	System verifies the information and uploads it immediately.
Extensions	
5a.	No selection made for food or drink category.
1.	*System prompts the actor to select a category.*
2.	*Return to MSS step 4.*
7a.	No filters selected.
1.	*System prompts the actor to select filters.*
2.	*Return to MSS step 6.*
9a.	*Picture format is incorrect.*
1.	*System prompts the actor to meet the picture format.*
2.	*Return to MSS step 8.*
9b	*There are empty fields.*
1.	*System prompts the actor not to leave any fields empty.*
5a.	No selection made for food or drink category.
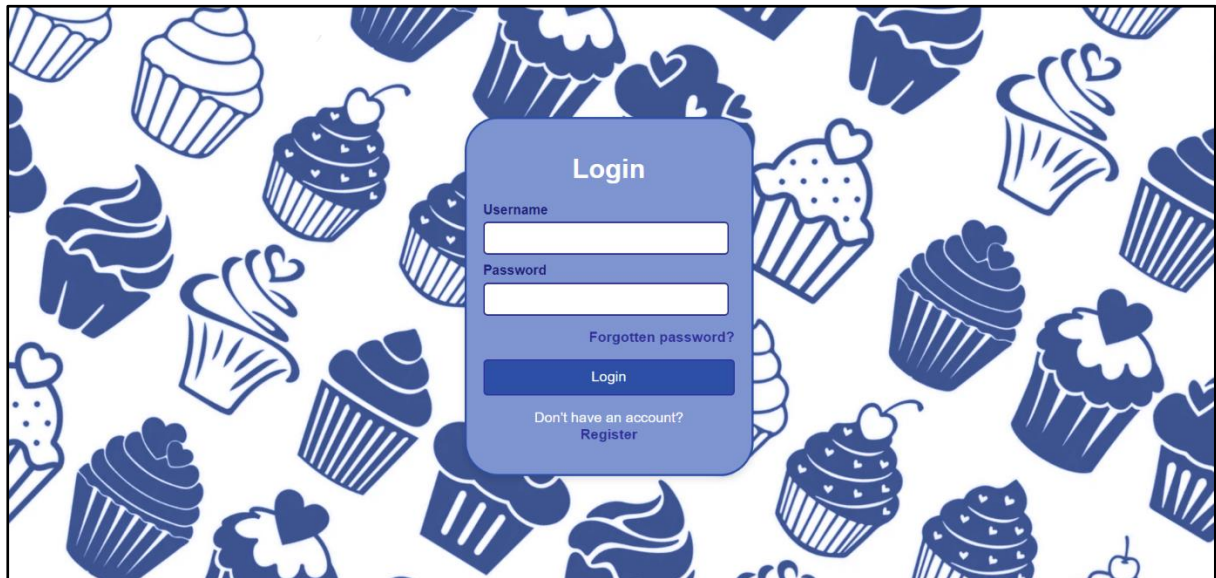
FR-03: Planning and Shopping

Component	Description
ID	UC-10
Description	Generating Shopping Lists.
Actor	Client
Pre-condition	Actor must be logged in and must have recipes in the 'To-Do List'.
Main success scenario	
1.	Actor navigates to the 'To-Do List' section accessible from the main navigation menu.
2.	System displays an option to generate a shopping list based on the favourited recipes.
3.	Actor selects the 'Generate Shopping List' option.
4.	System prompts the actor to select specific recipes from the calendar for which the shopping list is required.
5.	Actor selects the recipes and confirms the selection.
6.	System compiles all the ingredients and the cost for the recipes.
Extensions	
5a.	No recipes are selected.
1.	*System notifies the actor that no recipes have been selected.*
2.	*Return to MSS step 4.*

Wireframes
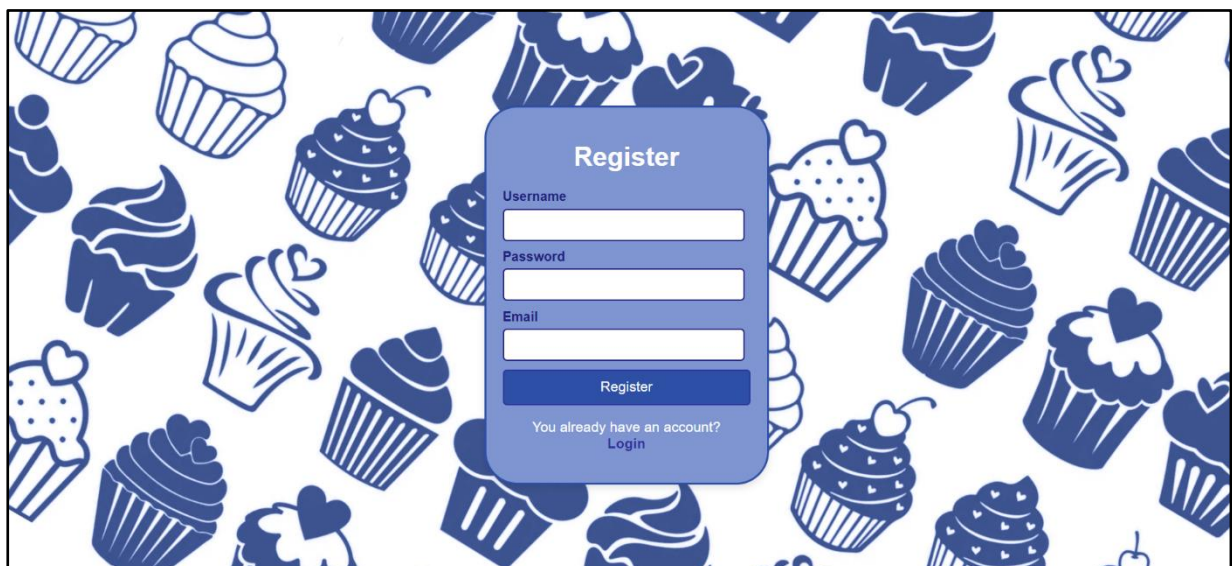
Web Application

Login Page: Allows users to fill in their credentials (username and login) to access their accounts on the web application.

Registration Page: Provides a form for new users to create an account, entering necessary information like username, email, and password.

Recipe Page: Provides all uploaded recipes with an option 'More' to see it in details, including filters to ease users' experience.

User Profile Page: Shows the user's personal information, their uploaded recipes and allows them to edit their profile details.
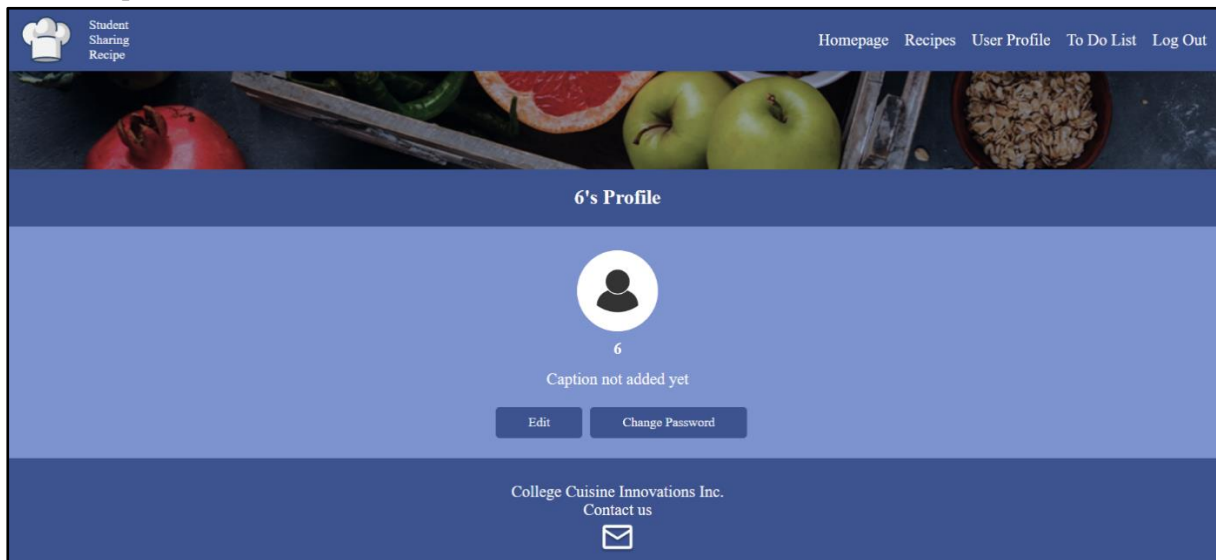
Homepage: Provides access to all options on the website, includes a welcoming message with 3 highly rated recipes to try out.
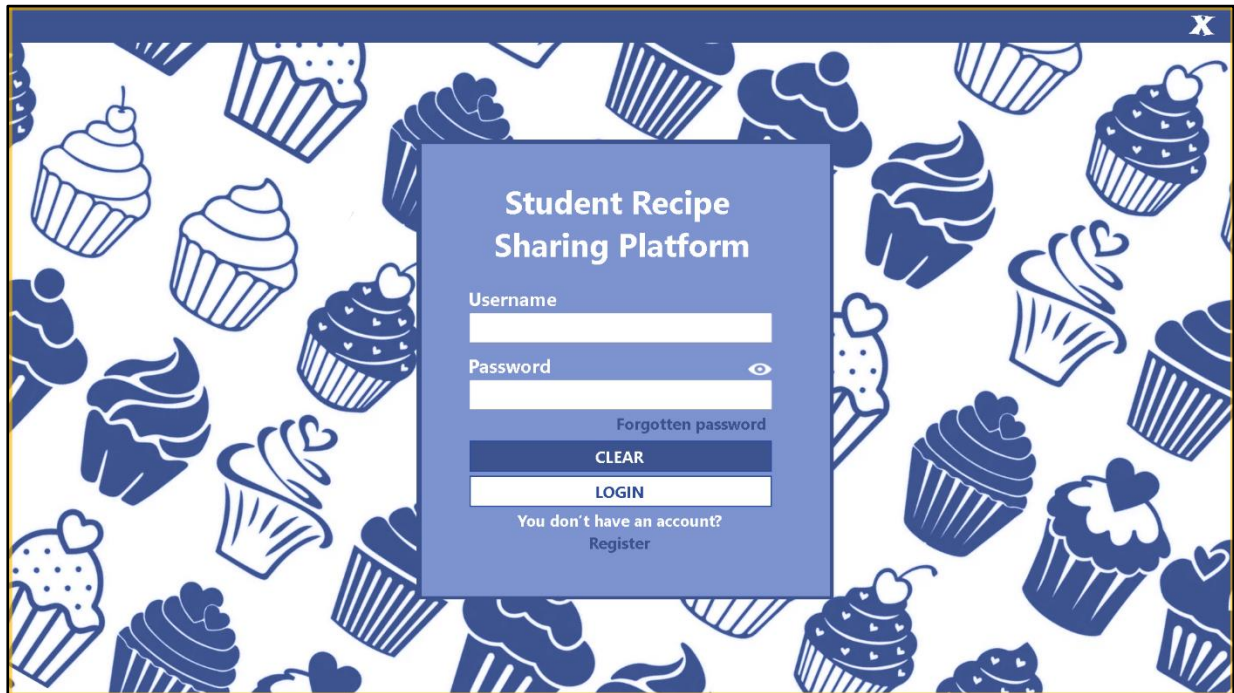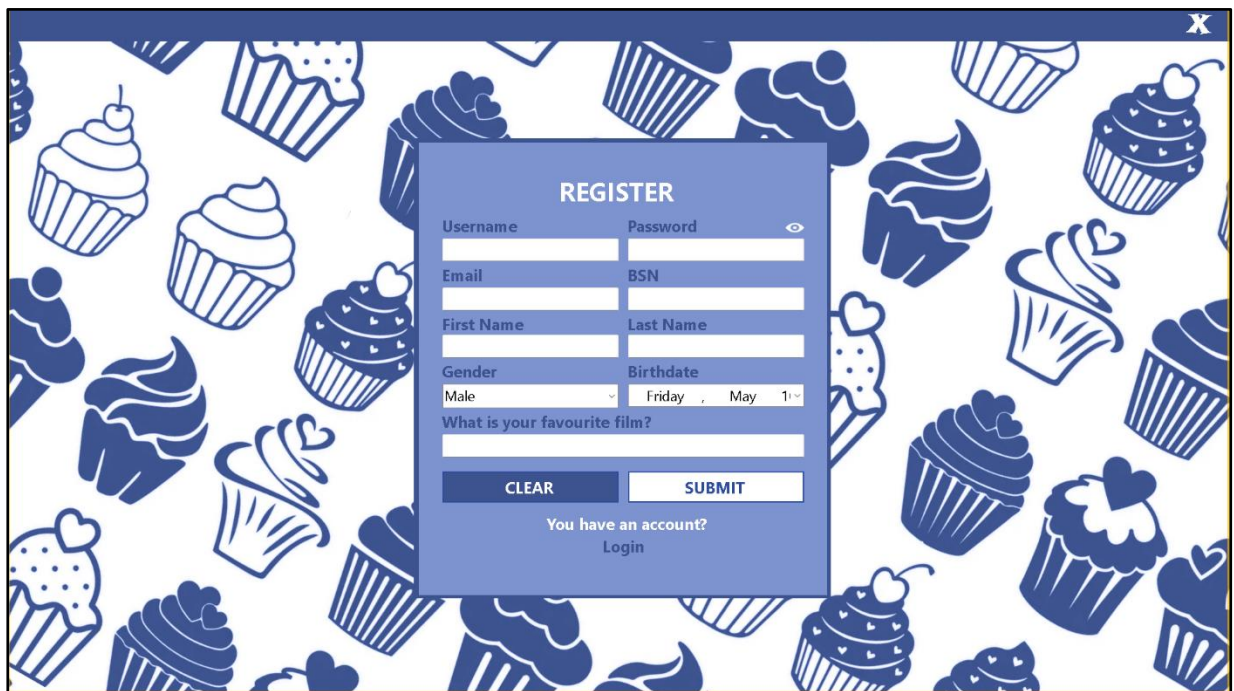
Desktop Application

Login Page: A login interface for users to enter their username and password to access the desktop application.

Registration Page: Allows new users to register for the desktop application, requiring details such as username, password, bsn, gender, email, first and last name, birthdate and a security answe.

Admin Dashboard Page: Provides a welcoming text for the managers with an overview of the application analytics and a side bar to access the other sections.
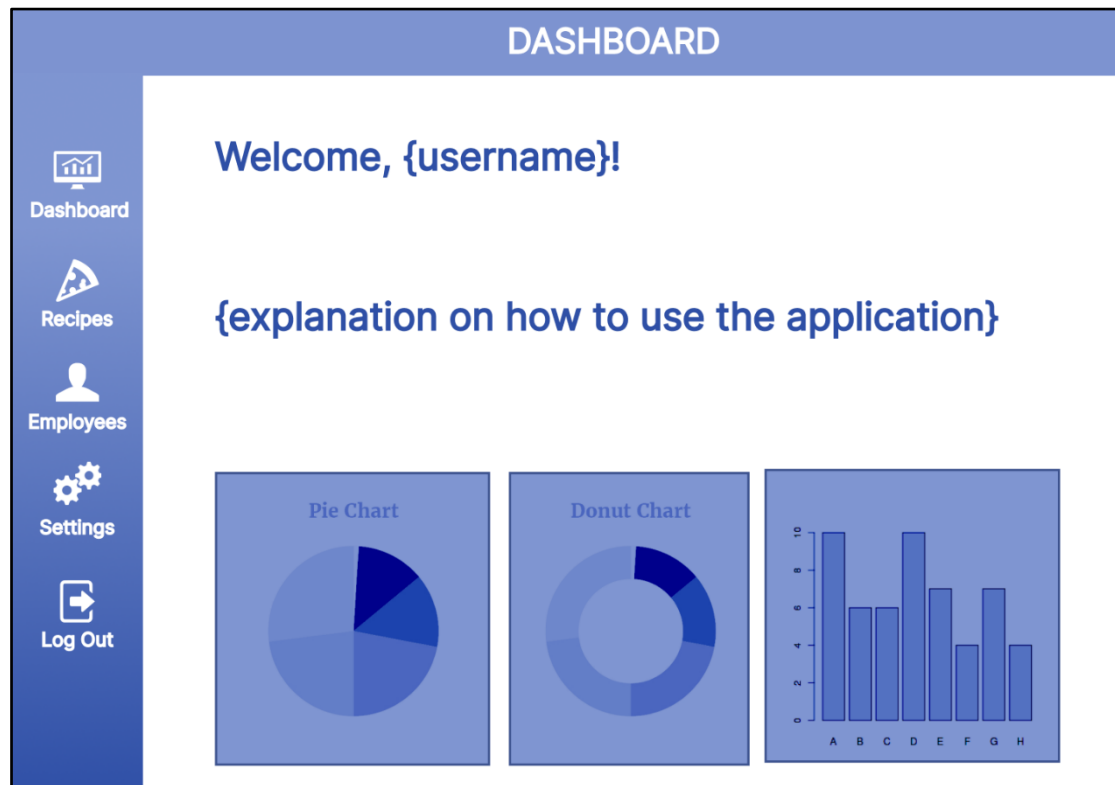
Recipe Page (Review a recipe): Allows the employees to review all recipes or upload more.

List of Employees Page: Lists all employees, showing details like id, username, etc., with options for the managers to edit or update these details.

Settings page: Provides options for users to change their personal information.