Use Cases

Recipe App

Supreme Meals for Heroes (SMFH)

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Use Case Description

This app revitalizes the concept of recipe apps with a few simple ideas. People have many things going on in their lives. Whether it is working, studying, or vacationing, they should not have to deal with the burden of trying to memorize their ingredients and trying to figure out a recipe that they could make. To ease the burden, this application keeps track of the user's ingredients, creates recipes based on the list of owned ingredients, and helps filter the results according to the user's interests.

The application allows you to add food to your personalized pantry. Each account has its individual pantry. With the pantry, the user can add many types of ingredients to the pantry. Not only does this help keep track of what the user has, but it helps keep track of how much of the ingredient the user has. This helps the user know when they are running out of an ingredient. It helps the user store more information if it is needed later. The user can also delete ingredients from their pantry if the ingredient has been used or spoiled. While these ideas are simple, they help the user to stay more informed of the ingredients and foods in their kitchen. It lays to rest the need of trying to remember what kinds of ingredients the user has at home. The user can make better decisions about their meals because they are more informed. The pantry is also used by the app to help create a list of recipes that they have ingredients to create.

Recipes based on ingredients in the pantry is the core functionality of this application. After the user adds their ingredients into the personalized pantry, the app generates a list of recipes that can be readily created. It also generates a list of recipes that the user is only missing a few ingredients to make if the user doesn't mind making a stop at the store. With this information, the user can decide whether to go home and cook a recipe they have the ingredients for, go to the store and pick up a few more ingredients, or go out to eat. These things help the user decide what to do for their next meal. These recipes can also be personalized even further with the application's simple and advanced filters.

The filters refine the list of recipes for cravings and dietary restrictions. The application provides recipe filters to slim down the results that they receive. If the user has allergies, they can filter those recipes out of the list. If the user has a dietary preference like vegan foods or protein rich foods, the application will find the recipes that match the ingredients and fit the lifestyle. There are other types of filters as well. If the user was craving a certain type of food like Mexican or Italian, there are filters for those types of food as well. The filters help personalize the recipe results to cater the user's needs and cravings.

These three features have a common goal: to inform the user of the choices they have about meals. The pantry helps the user store an inventory of ingredients. The user will not have to wonder what they have at home. Using the pantry, the application generates a list of recipes based on the ingredients they own. It shows the user what they can make at the very moment or with a few more ingredients. And with the list of recipes, they can filter the recipes down to the ones that they are interested in eating. The application provides the convenience of knowledge taking away the burden of always trying to keep track of what they have and what they can make themselves.

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Priority Key:
1 - High
2 - Medium
3 - Low
4 - Extra, if time permits

Status/Test Status:
Planned, In-Progress, Complete, Canceled

UC1: User Login

Priority	1
Status	Complete
Description	The actor will be able to login to the app using registered account and password.
User Goal	The actor wants to login to the app.
Desired Outcome	The actor will successfully login to the app, and retrieve the stored information.
Actor	The person using the app(mainly student)
Dependent Use Cases	UC3
Requirements	N/A
Pre-Conditions	The actor shall have valid credentials.
Post-Conditions	The system shall redirect the actor to the homepage.
Trigger	The actor wants to log in to use the app.
Workflow	1. The actor shall open the application. 2. The actor shall input their username and password in the fields. 3. System shall accept the entered credentials. 4. System shall redirect the actor to the app homepage.
Alternate Workflow	1. The actor inputs an incorrect username or password. 2. The system shall inform the actor of invalid credentials.

UC2: User Logout

Priority	1
Status	Complete
Description	The user will be able to logout this app.
User Goal	The user wants to logout this app.
Desired Outcome	The user is able to logout this app.
Actor	The user of the app.
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged into their account.
Post-Conditions	The user will be able to logged out.
Trigger	The user desires to logout this app.
Workflow	1. The user shall go to the Setting menu. 2. The user shall click Logout button. 3. The user shall click Ok button.
Alternate Workflow	1.The user shall click Cancel button. 2.The user shall return to Setting menu.

UC3: User Registration

Priority	1
Status	Complete
Description	The user will be able to register an account to this app. The account is the only profile of the user. It stores user' personal information, E-mail and other preferences.
User Goal	The user want to register an accounts.
Desired Outcome	The user gets an new account to the app.
Actor	The user of the app
Dependent Use Cases	N/A
Requirements	N/A
Pre-Conditions	The user doesn't have an account and didn't login.
Post-Conditions	The user will have a new account and will be able to log in.
Trigger	The user desire to register an account.
Workflow	1. The user shall click Register button. 2. The user shall enter an username first. 3. The user shall enter a password. 4. The user shall enter an E-mail account. 5. The user shall click the Submit button. 6. The system shall create a new account in the database
Alternate Workflow	The system shall detect whether the username or E-mail is existed, and warn the user.

UC4: Retrieve Forgotten Password

Priority	1
Status	Complete
Description	The user will be able to retrieve their forgotten password.
User Goal	The user wants to retrieve their forgotten password.
Desired Outcome	The user successfully retrieves their forgotten password.
Actor	The user of the app
Dependent Use Cases	UC3
Requirements	N/A
Pre-Conditions	The user has an account, knows their account, and forgets their password.
Post-Conditions	The user retrieves their password.
Trigger	The user desires to retrieve forgotten password.
Workflow	1. The user shall click forget password button. 2. The user shall enter their account name. 3. The user will be emailed their password.
Alternate Workflow	The user does not know their account name and cannot retrieve their password.

UC5: Set Diet Preferences

Priority	1
Status	Complete
Description	The user will be able to add dietary preferences to filter out recipes.
User Goal	The user wants to set dietary preferences.
Desired Outcome	The user does not receive recipes that do not fit their dietary preferences.
Actor	The actor is the user of the app
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and has logged in.
Post-Conditions	The user has set their dietary preferences.
Trigger	The user desires to set their dietary preferences.
Workflow	1. The user shall login. 2. The user shall go to the settings page. 3. The user shall click the preferences option. 4. The user shall change/set their preferences.
Alternate Workflow	1. The user shall create a new account. 2. The user shall set their preferences on a setup screen.

UC6: Explore recipes

Priority	1
Status	Complete
Description	Display a list of recipes that are available to the user, including matched recipes bases on the pantry and suggested recipes based on user's preferences and other factors like popularity, etc.
User Goal	The user want to see what recipes are available .
Desired Outcome	The user is able to see a list of recipes that are available.
Actor	The user of the app
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged in successfully
Post-Conditions	A list of available recipes will be shown to the user
Trigger	Users want to see what recipes are currently available to them
Workflow	1. The user shall log in 2. The user shall go to the explore page by selecting the explore button in the navigation bar below
Alternate Workflow	N/A

UC7: View Ingredients

Priority	2
Status	Complete
Description	Display the list of all ingredients that the user have.
User Goal	The user wants to see their current owned ingredients.
Desired Outcome	A list of all available ingredients with pictures will be shown on the screen
Actor	The user of the app
Dependent Use Cases	UC1, UC8, UC9, UC10
Requirements	N/A
Pre-Conditions	The user has an account and logged in successfully
Post-Conditions	A list of all available ingredients with pictures will be shown on the screen
Trigger	The user wants to see their current owned ingredients.
Workflow	1. The user shall goes to the Panty page. 2. The user shall click Ingredient button. 3. The system shall display the list of all ingredients that the user have along with the corresponding pictures.
Alternate Workflow	If the user didn't add any ingredients, the system shall show a note saying "No ingredients".

UC8: Add Ingredients

Priority	1
Status	Complete
Description	The user will be able to add ingredients they own to the pantry section of the app to help filter results when searching for recipes.
User Goal	The user wants to add ingredients to the pantry in the app so they can search for recipes that use that ingredient.
Desired Outcome	The user added a new ingredient to the pantry.
Actor	The user of the app
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged into their account.
Post-Conditions	The user will have a new ingredient added to their pantry.
Trigger	The user wants to search for recipes based on the ingredients listed in their pantry. These ingredients reflect the real ingredients the user own.
Workflow	1. The user shall go the the pantry menu. 2. The user shall click the "View Ingredients" button. 3. The user shall click the "Add Ingredient" button. 4. The user shall search for ingredients with the search bar. 5. The user shall add searched ingredients to the pantry.
Alternate Workflow	N/A

UC9: Delete Ingredients

Priority	1
Status	Complete
Description	The user will be able to delete ingredients from the pantry section of the app to help filter results when searching for recipes.
User Goal	The user wants to delete ingredients to the pantry in the app so they can find recipes without that ingredients
Desired Outcome	The user deleted an ingredient from the pantry
Actor	The user of the app
Dependent Use Cases	UC8
Requirements	N/A
Pre-Conditions	The user has added an ingredient to their pantry
Post-Conditions	The user will have deleted an ingredient from their pantry
Trigger	The user wants to get rid of an ingredient in their pantry, because they either do not want to use it or do not have it.
Workflow	1. The user shall go the the pantry menu. 2. The user shall click the "View Ingredients" button. 3. The user shall click the "Delete Ingredient" button.
Alternate Workflow	N/A

UC10: Search Ingredients

Priority	1
Status	Complete
Description	The user will be able to search for ingredients from the database of the app so they can add the searched ingredients to their pantry.
User Goal	The user wants to find ingredients they own so they can add them to the pantry in the app.
Desired Outcome	The user successfully finds the ingredient they are searching for.
Actor	The user of the app
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged into their account.
Post-Conditions	The user will have found the ingredient they are searching for or the system shall display "no such ingredient found."
Trigger	The user wants to search for ingredients they own in real life so they can add them to their pantry.
Workflow	1. The user shall go the the pantry menu. 2. The user shall click the "View Ingredients" button. 3. The user shall click the "Add Ingredient" button. 4. The user shall search for ingredients by typing the name of the ingredient in the search bar.
Alternate Workflow	N/A

UC11: Search Recipes by Pantry

Priority	1
Status	Complete
Description	The actor will be able to search recipes that they are able to create based on the contents of their pantry.
User Goal	The actor wants to see recipes they can create.
Desired Outcome	The actor is able to see available recipes.
Actor	The person using the application.
Dependent Use Cases	UC7 UC8 UC15 UC17
Requirements	N/A
Pre-Conditions	The actor has logged in and has ingredients existing in their pantry.
Post-Conditions	The system shall display recipes that the actor is able to create with their ingredients.
Trigger	The user wants to see what they are what recipes they are able to create.
Workflow	1. User shall add ingredients to their pantry. 2. User shall press "Search Ingredients By Pantry" button in either the pantry or in the search bar. 3. The system shall display recipes that the user is able to create.
Alternate Workflow	1. User shall add ingredients to their pantry. 2. User shall press "Search Ingredients By Pantry" button in either the pantry or in the search bar. 3. The system shall display no recipes in the case that no matches were found.

UC12: Save Recipes

Priority	2

Status	Complete
Description	The user will be able to save their favourite recipes.
User Goal	The user wants to save the recipes they liked, so they can view after.
Desired Outcome	The user successfully saves the recipe, and the recipe will be added to user' personal list.
Actor	The user of the app.
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged into their accounts.
Post-Conditions	The user will have this recipe in their saved recipe list.
Trigger	The user wants to save the recipes in order to use the recipe again.
Workflow	1. The user shall go to the recipe page. 2. The user shall click on one specific recipe. 3. The user shall click save recipe tag. 4. The system shall display a successful added message.
Alternate Workflow	The system shall display a reminder that "you have not logged in yet".

UC13: View Saved Recipes

Priority	2
Status	Complete
Description	The user will be able view the details of the saved recipes.
User Goal	The user want to view the recipes they have saved before.
Desired Outcome	The screen displays the details of recipes saved by the user.
Actor	The user of the app
Dependent Use Cases	UC1, UC6, UC11, UC12, UC15
Requirements	N/A
Pre-Conditions	The user has logged in and saved some recipes to their accounts.
Post-Conditions	The user will see a list of saved recipes and be able to view the details of them.
Trigger	The user desire to view their saved recipes.
Workflow	1. The user shall go to the Recipe page. 2. The user shall click View Recipes button. 3. The system shall display a list of all saved recipes. 4. The user shall click a recipe of interested. 5. The system shall display the details of that selected recipe.
Alternate Workflow	The system shall display a reminder if there are no recipes saved.

UC14: Remove Saved Recipes

Priority	2
Status	Complete
Description	The user will be able to remove saved recipes.
User Goal	The user desires to remove saved recipes.
Desired Outcome	The user removes saved recipes.
Actor	The user of the app.
Dependent Use Cases	UC1, UC6, UC11, UC12, UC15
Requirements	N/A
Pre-Conditions	The user has logged in and saved some recipes to their accounts.
Post-Conditions	The user will remove the saved recipes from their account.
Trigger	The user desire to remove their saved recipes.
Workflow	1. The user shall go to the Recipe page. 2. The user shall click View Recipes button. 3. The system shall display a list of all saved recipes. 4. The user shall click remove button next to the recipe they want to remove. 5. The system shall remove the recipes from the list of all saved recipes.
Alternate Workflow	The system shall display a reminder if there are no recipes saved.

UC15: Search Recipes (search recipe names)

Priority	1
Status	Complete
Description	The user will be able to search recipes by the name.
User Goal	The user desires to search recipes by name.
Desired Outcome	The user receives recipes that match the name.
Actor	The user of the app.
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and has logged in.
Post-Conditions	The user will receive a list of recipes.
Trigger	The user desires a list of recipes that match the name.
Workflow	1. The user shall login. 2. The user shall go to the search tab. 3. The user shall type in the desired recipe name. 4. The user shall click the search button.
Alternate Workflow	N/A

UC16: Filter Recipes

Priority	2
Status	Complete
Description	Allow user to edit the scope of the search result by selecting different filters
User Goal	The user want to see the search results that match certain criteria
Desired Outcome	Only search results that match the filters will be display to the user
Actor	The user of the app
Dependent Use Cases	UC1, UC15
Requirements	N/A
Pre-Conditions	The user shall be in the search page and enter keywords in the search bar
Post-Conditions	A list of search results that match the criteria is presented to the user
Trigger	The user want to narrow down or expand the scope the search results by selecting different filters
Workflow	1. User shall go to the search page 2. User shall enter some keywords in the search bar 3. User shall select filters in the filter section below the search bar 4. User shall click the "search" button
Alternate Workflow	N/A

UC17: View List of Searched Recipes

Priority	1
Status	Complete
Description	This use case is designed for the user to view recipes they have searched for.
User Goal	The actor wants to view a list of recipes pertaining to searched parameters.
Desired Outcome	The system shall display a list of recipes pertaining to searched parameters.
Actor	The user of the application.
Dependent Use Cases	UC 1 UC 11
Requirements	TBD
Pre-Conditions	The actor shall be logged into their account.
Post-Conditions	The system shall obtain and display a list of recipes relating to the search from the database.[-][''
Trigger	The user shall enter search parameters and press "Search" button.
Workflow	1. The user shall be logged in to the application. 2. The user shall navigate to the "Search" tab. 3. The user shall enter search parameters and press "Search" button. 4. The system shall list all recipes meeting the parameters.
Alternate Workflow	1. The user shall be logged in to the application. 2. The user shall navigate to the "Search" tab. 3. The user shall enter search parameters and press "Search" button. 4. The system shall notify the user that there are no matching recipes. 5. The system shall prompt the user to try again.

UC18: View A Selected Recipe

Priority	1
Status	Complete
Description	The user will be able to view details of a recipe including used ingredients, directions, nutritional value, etc. by clicking on one of the recipes in the search result
User Goal	The user wants to view details of a particular recipe from their search results.
Desired Outcome	The user can view the details of the recipe selected
Actor	The user of the app
Dependent Use Cases	UC1, UC15, UC17
Requirements	N/A
Pre-Conditions	The user has an account and logged in to their account. The user performed a search on recipes.
Post-Conditions	The user is shown a page containing all information about the recipe.
Trigger	The user wants to view details of a recipe from the search results.
Workflow	1. The user selects the recipe they want to view from the search result list. 2. The user is shown a page containing all information about the recipe.
Alternate Workflow	N/A

UC19: Change Themes

Priority	4
Status	Cancelled
Description	The user will be able to change themes/background
User Goal	The user will be able to change the theme of the app.
Desired Outcome	The user will change the theme
Actor	The user of the app
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged into their account. And gone to the settings.
Post-Conditions	The user sees the theme of the app changed.
Trigger	The user wants to change the background/theme of the app
Workflow	1. The user goes to the change theme page. 2. The user is shown a variety of themes. 3. The user selects a new theme.
Alternate Workflow	N/A

UC20: View Account Information

Priority	2
Status	Cancelled
Description	The user will be able to view their account information, including username and password, preferences, theme, etc.
User Goal	The user will be able to view their account information so they remind themselves what their settings are set to and possibly modify them if they wish.
Desired Outcome	The user views their account information
Actor	The user of the app
Dependent Use Cases	UC1
Requirements	N/A
Pre-Conditions	The user has an account and logged into their account.
Post-Conditions	The user is in the settings page where they can view their account information.
Trigger	The user wants to view their account information.
Workflow	1. The user shall go to the Settings menu.
Alternate Workflow	N/A

UC21: Change Password (in Settings)

Priority	3
Status	Complete
Description	The user will be able to change their accounts' password in the Setting menu by providing old password. The system will change the password for the user and update the account database.
User Goal	The user want to change their password to the accounts.
Desired Outcome	The user's password got changed.
Actor	The user of the app
Dependent Use Cases	UC1, UC20
Requirements	N/A
Pre-Conditions	The user has an account and logged into their account.
Post-Conditions	The user will have a new password and can access their accounts with the new password.
Trigger	The user desire to change their password.
Workflow	1. The user shall go to the Settings menu. 2. The user shall click Change Password button. 3. The user shall enter their old password first. 4. The user shall enter their new password. 5. The user shall click the Submit button. 6. The system shall update the password in account database.
Alternate Workflow	The system shall detect the wrong old password inputs, and warn the user.