

System Test Plan

Pantry Raider

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Test Cases

[TC1] User Registration

Description	The user registers for an account.
Priority	1
Status	Tested
User Goal	The user registers for an account.
Desired Outcome	The user has a newly registered account.
Dependent Test Cases	N/A
Requirements	SR3
Pre-conditions	The user doesn't have an account and didn't login.
Post-conditions	The user has a new account added to the database.
Trigger	The user wants to create an account in order to use the application.
Workflow	<ol style="list-style-type: none">1. The user shall be at the Login page.2. The user shall select the "Sign Up" button.3. The user shall enter "prtest" for name.4. The user shall enter "prcs110test@gmail.com" for email.5. The user shall enter "prtest123" for password.6. The user shall select the "Create Account" button.7. The user shall open a browser and navigate to "http://gmail.com".8. The user shall enter "prcs110test@gmail.com" for email.9. The user shall enter "prtest123" for password.10. The user shall select the verification email sent from Pantry Raider.11. The user shall click the link in the email.12. The user shall see "Your email has been verified."13. The user shall return to the Login page in the app.14. The user shall enter "prcs110test@gmail.com" for email.15. The user shall enter "prtest123" for password.16. The user shall select the "Log In" button.
Expected Result	The user shall be redirected to the Explore page.

[TC2] User Login

Description	The user logs in to the application.
Priority	1
Status	Tested
User Goal	The user wants to log in to the application in order to use it.
Desired Outcome	The user logs in to the application.
Dependent Test Cases	TC1
Requirements	SR1
Pre-conditions	The user has registered an account.
Post-conditions	The user is logged in to the application.
Trigger	The user wants to log in to the application in order to use it.
Workflow	<ol style="list-style-type: none">1. The user shall enter "prcs110test@gmail.com" for email.2. The user shall enter "prtest123" for password.3. The user shall select the "Login" button.
Expected Result	The user shall be redirected to the Explore page.

[TC3] Invalid Email Login

Description	The user enters an invalid email to login.
Priority	2
Status	Tested
User Goal	The user wants to log in to the application in order to use it.
Desired Outcome	The user logs in to the application.
Dependent Test Cases	TC2
Requirements	SR1
Pre-conditions	N/A
Post-conditions	N/A
Trigger	The user wants to log in to the application in order to use it.
Workflow	<ol style="list-style-type: none">1. The user shall enter “prinvalidemail@gmail.com” for email.2. The user shall enter “prtest123” for password.3. The user shall select the “Login” button.
Expected Result	The system shall display “Login failed.”

[TC4] Incorrect Password Login

Description	The user enters an incorrect password to login.
Priority	2
Status	Tested
User Goal	The user wants to log in to the application in order to use it.
Desired Outcome	The user logs in to the application.
Dependent Test Cases	TC2
Requirements	SR1
Pre-conditions	The user has registered an account.
Post-conditions	N/A
Trigger	The user wants to log in to the application in order to use it.
Workflow	<ol style="list-style-type: none">4. The user shall enter "prcs110test@gmail.com" for email.5. The user shall enter "prtest12" for password.6. The user shall select the "Login" button.
Expected Result	The system shall display "Login failed."

[TC5] User Logout

Description	The user logs out of the application.
Priority	1
Status	Tested
User Goal	The user wants to logout.
Desired Outcome	The user logs out of the application.
Dependent Test Cases	TC2
Requirements	SR2
Pre-conditions	The user is logged in.
Post-conditions	N/A
Trigger	The user wants to logout.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Settings page.2. The user shall select the “Logout” button.
Expected Result	The user shall be redirected to the Login page.

[TC6] Set Dietary Preference

Description	The user sets their dietary preference.
Priority	1
Status	Tested
User Goal	The user wants to set their dietary preference to filter out recipes that do not match their preference when searching for recipes.
Desired Outcome	The user's dietary preference is set.
Dependent Test Cases	TC2
Requirements	SR5
Pre-conditions	The user is logged in.
Post-conditions	The user's dietary preference is set to vegetarian and allergic to seafood.
Trigger	The user wants to set their dietary preference
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Settings (fourth) tab.2. The user shall select the "Set Preferences" button.3. The user shall check the "Pescetarian" choice.4. The user shall check the "Gluten" choice under the Allergies section.5. The user shall make sure all other choices are unchecked.6. The user shall select the "Save Preferences" button.
Expected Result	The system shall display a "Preferences Successfully Updated" popup. Navigating away and back to the Set Preferences page shall display "Pescetarian" and "Gluten" choices checked.

[TC7] Search Ingredients

Description	The user searches for ingredients to add to the pantry.
Priority	1
Status	Tested
User Goal	The user wants to search for ingredients to add to the pantry to match real-life ingredients they own.
Desired Outcome	The user finds ingredients they are looking for.
Dependent Test Cases	TC2
Requirements	SR10
Pre-conditions	The user is logged in.
Post-conditions	The system displays a list of ingredients.
Trigger	The user wants to search for ingredients to add to the pantry
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Pantry (third) tab.2. The user shall select the "My Ingredients" button.3. The user shall select the blue shopping cart button on the bottom right of the screen.4. The user shall enter "apple" into the search bar.
Expected Result	The system shall display a list with "apple," "apple sauce," "apple juice," "apple cider," and "apple jelly" as the first five items below the search bar.

[TC8] Add Ingredients

Description	The user adds ingredients to the pantry.
Priority	1
Status	Tested
User Goal	The user wants to add ingredients to the pantry to match real-life ingredients they own.
Desired Outcome	Ingredients are added to the pantry.
Dependent Test Cases	TC7
Requirements	SR8
Pre-conditions	The user is logged in.
Post-conditions	Ingredients are added to the user's ingredient list in the database.
Trigger	The user wants to add ingredients to the pantry
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Pantry (third) tab.2. The user shall select the "My Ingredients" button.3. The user shall select the blue shopping cart button on the bottom right of the screen.4. The user shall enter "apple" into the search bar.5. The user shall select the "apple" item.6. The user shall select the "applesauce" item.7. The user shall select the "apple juice" item.8. The user shall select the back button.
Expected Result	The system shall display a list with items "apple," "applesauce," and "apple juice" in the "My Ingredients" list. Leaving and returning to the "My Ingredients" page shall retain the same list.

[TC9] Delete Ingredients

Description	The user deletes ingredients from their pantry.
Priority	1
Status	Tested
User Goal	The user wants to delete ingredients from the pantry to match real-life ingredients they own.
Desired Outcome	Ingredients are deleted from the pantry.
Dependent Test Cases	TC7 TC8
Requirements	SR9
Pre-conditions	The user has ingredients “apple,” “applesauce,” and “apple juice” in their pantry.
Post-conditions	Ingredients are removed from the pantry.
Trigger	The user wants to delete ingredients from the pantry.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Pantry (third) tab.2. The user shall select the “My Ingredients” button.3. The user shall select the “apple juice” item.4. The system shall bring up an “apple juice” prompt.5. The user shall select the “Delete” button.
Expected Result	The system shall display a list with items “apple” and “applesauce” in the “My Ingredients” list. Leaving and returning to the “My Ingredients” page shall retain the same list.

[TC10] Search Recipes by Pantry

Description	The user searches for recipes based on the contents of their pantry.
Priority	1
Status	Tested
User Goal	The user wants to find recipes that uses ingredients they have in their pantry.
Desired Outcome	The user finds recipes that uses ingredients they have in their pantry.
Dependent Test Cases	TC7 TC8
Requirements	SR11
Pre-conditions	The user is logged in. The user has ingredients “apple” and “applesauce” in their pantry.
Post-conditions	N/A
Trigger	The user wants to find recipes that uses ingredients they have in their pantry.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search (second) tab.2. The user shall select the “Add Filter” page.3. The user shall check the “Search by Pantry” option.4. The user shall select the “Done” button.5. The user shall select the “Search” button.
Expected Result	The system shall display a list with items “Apple Turnover Smoothies,” “Apple pie fudge,” “Oatmeal with caramelized apples, honey, and cinnamon,” “Apple Cinnamon Slow Cooker Oatmeal,” “A Face Full of Fritter,” as the first five results below the “Add Filter” and “Search” buttons.

[TC11] Search Recipes by Keywords

Description	The users searches for recipes using keywords.
Priority	1
Status	Tested
User Goal	The user wants to search for recipes using keywords.
Desired Outcome	The user finds recipes that matches the given keyword.
Dependent Test Cases	TC2
Requirements	SR15
Pre-conditions	The user is logged in. No filters are applied for search recipes.
Post-conditions	N/A
Trigger	The user wants to search for recipes using keywords.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search (second) tab.2. The user shall enter "apple" into the search bar.3. The user shall select the "Search" button.
Expected Result	The system shall display a list with first five items as "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette," "Apple-Cheddar Stuffed Chicken with Apple-Dijon Pan Sauce - Iowa Girl Eats," "Spiced Apple Muffins with Apple Cinnamon Glaze," "This Apple Bread Tastes Just Like Apple Pie," "Apple Bread" as the first five results below the "Add Filter" and "Search" buttons.

[TC12] Search Recipes by Cuisine Type

Description	The users searches for recipes using keywords and type of cuisine.
Priority	1
Status	Tested
User Goal	The user wants to search for recipes using keywords and types of cuisine.
Desired Outcome	The user finds recipes that matches the given keyword and type of cuisine.
Dependent Test Cases	TC2
Requirements	SR16
Pre-conditions	The user is logged in.
Post-conditions	N/A
Trigger	The user wants to search for recipes using keywords and types of cuisine.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search page.2. The user shall enter "apple" into the search bar.3. The user shall select the "Add Filter" button.4. The user shall select the "Types of cuisine" option.5. The user shall select the "French" option.6. The user shall select the "Done" button.7. The user shall select the "Done" button.8. The user shall select the "Search" button.
Expected Result	The system shall display a list with first five items as "Apple Crepes," "French Apple Tart," "French Apple Cake," "French Apple Tart," "Apple and Cheddar Quiche" as the first five results below the "Add Filter" and "Search" buttons.

[TC13] Save Recipes

Description	The user saves a recipe so they can view it later.
Priority	1
Status	Tested
User Goal	The user wants to save a recipe so they can view it later.
Desired Outcome	The recipe is saved.
Dependent Test Cases	TC2 TC10 TC11 TC12
Requirements	SR12
Pre-conditions	The user is logged in. The user has no saved recipes.
Post-conditions	The recipe ID is added to the user's saved recipe column in the database.
Trigger	The user wants to save the recipe.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search page.2. The user shall enter "apple" into the search bar.3. The user shall select the "Search" button.4. The user shall select the "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette" recipe.5. The user shall be redirected to view the recipe.6. The user shall scroll down the the very bottom of the recipe.7. The user shall select the "Save Recipe" button.
Expected Result	The system shall display a "Recipe Saved!" popup. The "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette" recipe should show up in the Saved Recipes page in the Pantry tab.

[TC14] Unsave Recipes

Description	The user removes a saved recipe.
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Priority	1
Status	Tested
User Goal	The user wants to remove a saved recipe.
Desired Outcome	The recipe is removed from the Saved Recipes section.
Dependent Test Cases	TC13
Requirements	SR12
Pre-conditions	The user is logged in. The user has the “Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette” recipe saved.
Post-conditions	The recipe ID is removed from the user’s saved recipes column in the database.
Trigger	The user wants to unsave the recipe.
Workflow	<ol style="list-style-type: none"> 1. The user shall navigate to the Pantry page. 2. The user shall select the “Saved Recipes” button. 3. The user shall select the “Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette” recipe. 4. The user shall select the “Unsave Recipe” button.
Expected Result	The system shall display a “Recipe Unsaved” popup. The “Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette” recipe should be removed from the Saved Recipes section in the Pantry page.

User Story Acceptance Test

[AT1] User Registration

Description	As a user, I want to be able to register for an account, so that I can log in using that account in the future.
Priority	1
Status	Tested
Desired Outcome	The user gets a new account to the app.
Pre-conditions	The user doesn't have an account and didn't login.
Post-conditions	The user has a new account added to the database.
Trigger	The user desires to register an account.
Workflow	<ol style="list-style-type: none">1. The user shall be at the Login page.2. The user shall select the "Sign Up" button.3. The user shall enter "prtest" for name.4. The user shall enter "prcs110test@gmail.com" for email.5. The user shall enter "prtest123" for password.6. The user shall select the "Create Account" button.7. The user shall open a browser and navigate to "http://gmail.com".8. The user shall enter "prcs110test@gmail.com" for email.9. The user shall enter "prtest123" for password.10. The user shall select the verification email sent from Pantry Raider.11. The user shall click the link in the email.12. The user shall see "Your email has been verified."13. The user shall return to the Login page in the app.14. The user shall enter "prcs110test@gmail.com" for email.15. The user shall enter "prtest123" for password.16. The user shall select the "Log In" button.
Expected Result	The user shall be redirected to the Explore page.

[AT2] User Login

Description	As a user, I want to be able to login with my registered account so that I can obtain my personal data to use this app.
Priority	1
Status	Tested
Desired Outcome	The user is logged in to the app and can access data related to their account.
Pre-conditions	The user has a registered account but is not logged in.
Post-conditions	The user is logged in.
Trigger	The user wants to log in and use the app.
Workflow	<ol style="list-style-type: none">1. The user shall enter "prcs110test@gmail.com" for email.2. The user shall enter "prtest123" for password.3. The user shall select the "Login" button.
Expected Result	The user shall be redirected to the Explore page.

[AT3] User Logout

Description	As a user, I want to be able to log out of my account, so that my personal data can be protected.
Priority	1
Status	Tested
Desired Outcome	The user is logged out of the app.
Pre-conditions	The user is logged in.
Post-conditions	The user is logged out.
Trigger	The user wants to logout of the app.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Settings page.2. The user shall select the “Logout” button.
Expected Result	The user shall be redirected to the Login page.

[AT4] Password Recovery

Description	As a user, I want to be able to recover my password so that I can access my account if I forget the old one.
Priority	1
Status	Tested
Desired Outcome	The user successfully retrieves their forgotten password.
Pre-conditions	The user has an account but has forgotten their password.
Post-conditions	The user has the password for their account.
Trigger	The user wants to recover their password.
Workflow	<ol style="list-style-type: none">1. The user shall select the "Forget Password? Click Here" button.2. The user shall enter "prcs110test@gmail.com" for email.3. The user shall select the "Send Password Reset Request" button.4. The system shall display a "A Verification Email Has Been Sent" popup.5. The user shall open a browser and navigate to http://gmail.com.6. The user shall enter "prcs110test@gmail.com" for email.7. The user shall enter "prtest123" for password.8. The user shall wait until they receive the password reset email.9. The user shall select the password reset email sent from Pantry Raider.10. The user shall click the link in the email.11. The user shall be redirected to a password reset form.12. The user shall enter "prtest456" for both password and re-enter password.13. The user shall select the "Submit" button.
Expected Result	The user shall see the "Password successfully reset" popup.

[AT5] Set Dietary Preferences

Description	As a user, I want to set my dietary preference so that I can search for recipes that match my preference.
Priority	1
Status	Tested
Desired Outcome	The user changes their dietary preference in the settings.
Pre-conditions	The user has an account and is logged in.
Post-conditions	The user set their dietary preference.
Trigger	The user desires to set their dietary preferences.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Settings page.2. The user shall select the "Set Dietary Preference" button.3. The user shall check the "Pescetarian" choice.4. The user shall check the "Gluten" choice under the Allergies section.5. The user shall make sure all other choices are unchecked.6. The user shall select the "Save Preferences" button.
Expected Result	The system shall display a "Preferences Saved" popup.

[AT6] Explore Recipes

Description	As a user, I want to explore new recipes so that I can try them out.
Priority	1
Status	Tested
Desired Outcome	The user can view a list of recommended recipes.
Pre-conditions	The user has an account and is logged in.
Post-conditions	The user is shown a list of recommended recipes.
Trigger	The user wants to explore new recipes.
Workflow	1. The user shall navigate to the Explore (first) tab.
Expected Result	The system shall display a random list of recipes generated based on the user's dietary preference, ingredients in pantry, and saved recipes.

[AT7] View Ingredients

Description	As a user, I want to be able to view the ingredients I have in my pantry, so that I know what ingredients I have.
Priority	1
Status	Tested
Desired Outcome	The user can view a list of owned ingredients
Pre-conditions	The user has an account and is logged in
Post-conditions	The user views a list of ingredients.
Trigger	The user wants to view the ingredient list
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Pantry (third) tab.2. The user shall select the “My Ingredients” button.
Expected Result	The system show display a list of ingredients the user has added.

[AT8] Add Ingredients

Description	As a user, I want to search ingredients to add to my pantry, so that it matches my real-life pantry.
Priority	1
Status	Tested
Desired Outcome	The user successfully adds ingredients to their pantry
Pre-conditions	The user is logged in.
Post-conditions	The user adds ingredients to their pantry
Trigger	The user wants to add ingredients to their pantry
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Pantry (third) tab.2. The user shall select the “My Ingredients” button.3. The user shall select the blue shopping cart button on the bottom right of the screen.4. The user shall enter “apple” into the search bar.5. The user shall select the “apple” item.6. The user shall select the “applesauce” item.7. The user shall select the “apple juice” item.8. The user shall select the back button.
Expected Result	The system shall display a list with items “apple,” “applesauce,” and “apple juice” in the “My Ingredients” list. Leaving and returning to the “My Ingredients” page shall retain the same list.

[AT9] Delete Ingredients

Description	As a user, I want to delete ingredients from my pantry, so that it matches my real-life pantry.
Priority	1
Status	Tested
Desired Outcome	Ingredients are deleted from the pantry.
Pre-conditions	The user has ingredients "Apple" and "Apple juice" in their pantry.
Post-conditions	Ingredients are removed from the pantry.
Trigger	The user wants to delete ingredients from the pantry.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Pantry (third) tab.2. The user shall select the "My Ingredients" button.3. The user shall select the "apple juice" item.4. The system shall bring up an "apple juice" prompt.5. The user shall select the "Delete" button.
Expected Result	The system shall display a list with items "apple" and "applesauce" in the "My Ingredients" list. Leaving and returning to the "My Ingredients" page shall retain the same list.

[AT10] Search Recipes by Pantry

Description	As a user, I want to search recipes based on ingredients in my pantry, so that I can find recipes that uses ingredients I own in real life.
Priority	1
Status	Tested
Desired Outcome	The user finds recipes that uses ingredients they have in their pantry.
Pre-conditions	The user is logged in. The user has ingredients "Apple" and "Applesauce" in their pantry.
Post-conditions	The user sees a list of recipes that uses ingredients in their pantry.
Trigger	The user wants to find recipes that uses ingredients they have in their pantry.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search (second) tab.2. The user shall select the "Add Filter" page.3. The user shall check the "Search by Pantry" option.4. The user shall select the "Done" button.5. The user shall select the "Search" button.
Expected Result	The system shall display a list with items "Apple Turnover Smoothies," "Apple pie fudge," "Oatmeal with caramelized apples, honey, and cinnamon," "Apple Cinnamon Slow Cooker Oatmeal," "A Face Full of Fritter," as the first five results below the "Add Filter" and "Search" buttons.

[AT11] Search Recipe by Keywords

Description	As a user, I want to search for recipes based on their keywords, so that I can find certain recipes.
Priority	1
Status	Tested
Desired Outcome	The user finds recipes that matches the given keyword.
Pre-conditions	The user is logged in.
Post-conditions	The user finds recipes that match the keywords
Trigger	The user wants to search for recipes using keywords.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search page.2. The user shall enter "apple" into the search bar.3. The user shall select the "Search" button.
Expected Result	The system shall display a list with first five items as "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette," "Apple-Cheddar Stuffed Chicken with Apple-Dijon Pan Sauce - Iowa Girl Eats," "Spiced Apple Muffins with Apple Cinnamon Glaze," "This Apple Bread Tastes Just Like Apple Pie," "Apple Bread" as the first five results below the "Add Filter" and "Search" buttons.

[AT12] Save Recipes

Description	As a user, I want to save recipes, so that I can easily find it later.
Priority	2
Status	Tested
Desired Outcome	The recipe is saved to the user.
Pre-conditions	The user is logged in. The user has no saved recipes.
Post-conditions	The recipe ID is added to the user's saved recipe column in the database.
Trigger	The user wants to save the recipe.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search page.2. The user shall enter "apple" into the search bar.3. The user shall select the "Search" button.4. The user shall select the "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette" recipe.5. The user shall be redirected to view the recipe.6. The user shall scroll down the the very bottom of the recipe.7. The user shall select the "Save Recipe" button.
Expected Result	The system shall display a "Recipe Saved!" popup. The "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette" recipe should show up in the Saved Recipes page in the Pantry tab.

[AT13] View Recipe

Description	As a user, I want to be able to view all details of a recipe, so that I can follow the instructions and know its nutritional values and other facts about it.
Priority	1
Status	Tested
Desired Outcome	The user views the details of a recipe.
Pre-conditions	The user is logged in.
Post-conditions	The user is shown a page containing all relevant information about the recipe.
Trigger	The user wants to view details of a recipe from the search results.
Workflow	<ol style="list-style-type: none">1. The user shall navigate to the Search page.2. The user shall enter "apple" into the search bar.3. The user shall select the "Search" button.4. The user shall select the "Apple, White Cheddar, and Spinach Salad with Honey-Apple Cider Vinaigrette" recipe from the result list.
Expected Result	The system shall display the picture, ingredients used, and instructions of the recipe.