Phase 2: Night In

Project Test Plan

Team 20

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Functionality Test Cases

1. Home page

ID	Title	Severity Level	Instructions	Expected Result
Home F01	Search bar	S1	Type the name of a recipe and press enter	Search results regarding recipe names similar to input should appear
Home F02	Random Button	S1	Click on the random button to generate a random recipe. Enter the beginning of the name of a recipe (Eg. chicken) and press enter.	A random recipe with a similar name should appear.
Home F03	Using my ingredients button	S1	Click on the Using my ingredients button to generate a recipe .Enter the beginning of the name of a recipe (Eg. chicken) and press enter.	A recipe with a similar name which uses the same ingredients should appear.
Home F04	Advance button	S1	Click on the advanced button and select an option for each of the respective fields .Enter the beginning of the name of a recipe (Eg. chicken) and press enter.	A recipe with a similar name in accordance with the entered preferences should appear.

2. Grocery List page

ID	Title	Severity Level	Instructions	Expected Result
GLF01	Add new list button	S1	Click the Add New button on the Grocery list page	Opens create grocery list module with the relevant fields and buttons
GLF02	Print button	S2	Click the Print button on the Grocery list page	Opens Print page module.
GLF03	Edit	S1	Click edit button (shape of	Opens populated version of

ID	Title	Severity Level	Instructions	Expected Result
	buttons		pencil) on the right side of the list name	Create grocery list module with the relevant fields and buttons
GLF04	Delete Button submit	S1	Click delete button (shape of trash can) on the right side of the list name and select yes.	Deletes the list from the grocery list page.
GLF05	Delete Button Cancel	S2	Click delete button (shape of trash can) on the right side of the list name and select no.	Nothing should change.
GLF06	Edit buttons cancel	S1	Click edit button (shape of pencil) on the right side of the list name and click cancel without making changes	Nothing should change.
GLF07	Edit button changes empty	S1	Click Edit button and change the name to empty and submit. Repeat with ingredients.	The changes shouldn't be accepted.
GLF08	Edit button changes success	S1	Click Edit button and change the name to a different non-zero value and submit. Repeat with ingredients.	The changes should be accepted as entered.

3. Pantry Page

ID	Title	Severity Level	Instructions	Expected Result
Pantry F01	Add item button	S2	Click the Add Item button on the Pantry page	Opens add item to pantry module with the relevant fields and buttons
Pantry F02	Remove all items button	S2	Click the remove all items button on the pantry page	Removes all items on the pantry page.
Pantry F03	Edit Button	S1	Click edit button under the name of the item.	Opens populated edit pantry item module with the relevant fields and buttons
Pantry F04	Remove Button	S1	Click delete button under the name of the item.	Deletes the item from the pantry page.

4. Meal Planning Page

ID	Title	Severity Level	Instructions	Expected Result
MPF01	Add to meal plan success	S1	Select a saved recipe from the saved recipes page and click on the add to meal plan button. Enter a suitable date and meal time. Click submit.	The meal should appear on the calendar as indicated.
MPF02	Check a meal	S1	Click on an already added recipe in the meal plan.	A panel containing information about that recipe should pop up.
MPF03	Add to meal plan repeated meals	S2	Select a saved recipe from the saved recipes page and click on the add to meal plan button. Enter a date and meal time which is already occupied by a recipe. Click submit.	The meal shouldn't appear on the calendar as indicated.
MPF04	Add to meal plan incomplete fields.	S2	Select a saved recipe from the saved recipes page and click on the add to meal plan button. Enter either a date or a meal time or neither. Click submit.	The user must be prompted to fill out all fields.

5. Saved Recipe Page

ID	Title	Severity Level	Instructions	Expected Result
SRF01	Add Custom Button	S1	Click the Add Custom button on the Saved Recipe page	Opens unpopulated add recipe module with the relevant fields and buttons
SRF02	Sort Ascending	S2	With a list of at least 3 saved recipes with different ratings, sort them by ascending order	The recipes must be sorted in ascending order of rating

| SRF03 | Sort Descending | S2 | With a list of at least 3 saved recipes with different ratings, sort them by descending order | The recipes must be sorted in descending order of rating |
| SRF04 | Sort No Rating | S2 | With a list of at least 3 recipes with one unrated, sort in ascending and then descending order. | The recipes should be sorted accordingly and the no rating recipe should be considered as 0 stars. |

6. Settings Module

ID	Title	Severity Level	Instructions	Expected Result
SettingsF01	Diet success	S1	Pick a diet from the down one by one and click submit. Exit out of the window and open it back up.	The diet saved should be as the one that was selected
SettingsF02	Diet cancel	S1	Pick a diet from the down one by one and click cancel. Exit out of the window and open it back up.	The diet saved should be as earlier without any changes
SettingsF03	Add ingredient success	S1	Enter an ingredient and select it. Click submit.	The ingredient must be saved to the settings modal.
SettingsF04	Add ingredient multiple	S2	Enter an ingredient which was already added earlier,	The user must be prompted to not have multiple entries of the same ingredient.
SettingsF05	No change submit	S1	Click submit button on settings modal.	The user must be prompted to make some changes before submitting.
SettingsF06	No change cancel	S1	Click cancel button on settings modal.	The settings modal should close with no changes made.
SettingsF07	Clear Item	S1	Click on CLEAR ITEM in the settings modal on one of the items added previously	The item must be deleted from the list.

7. Navigation Bar

ID	Title	Severity Level	Instructions	Expected Result
NavF01	Home Button	S1	Click the Home button on the Navigation Bar	The next screen should be the home page allowing a user to search recipes with the relevant fields and buttons
NavF02	Grocery List Button	S1	Click the Grocery List button on the Navigation Bar	The next screen should be the Grocery List page allowing a user to create, edit and view their list with the relevant fields and buttons
NavF03	Pantry Button	S1	Click the Pantry button on the Navigation Bar	The next screen should be the Pantry page allowing a user to create, edit and view their items with the relevant fields and buttons
NavF04	Meal Planning Button	S1	Click the Meal Planning button on the Navigation Bar	The next screen should be the Meal Planning page allowing a user to view their calendar with the relevant fields and buttons
NavF05	Saved Recipe Button	S1	Click the Saved Recipe button on the Navigation Bar	The next screen should be the Saved Recipe page allowing a user to create, edit and view their saved recipes with the relevant fields and buttons
NavF06	Settings Button	S1	Click the Settings button on the Navigation Bar	The settings module should open allowing a user to edit and view their settings with the relevant fields and buttons
NavF07	Logout Button	S1	Click the Logout button on the Navigation Bar	The next screen should be the Home page page.

NavF08	Create Account/ Login	S1	Click the Create Account/Login button on the Navigation Bar	The next screen should open a Google Sign-in page.

8. Grocery List: Add Item module

ID	Title	Severity Level	Instructions	Expected Result
GLAIF 01	Add new list button success	S1	Click the Add New button on the Grocery list page. Enter the fields one by one and then both together. Hit submit.	Creates a grocery list with the entered inputs.
GLAIF 02	Add new list button cancelled	S2	Click the Add New button on the Grocery list page. Click Cancel.	The modal should close without any prompts.
GLAIF 03	Empty lines in ingredients	S2	When adding the list of ingredients, enter an empty between 2 ingredients and hit submit.	The empty should be dismissed and not be added to the final list.
GLAIF 04	Add new list empty	S2	Click the submit button without entering any input to either fields.	The user should be prompted for input.

9. Pantry: Add/Edit Item module

ID	Title	Severity Level	Instructions	Expected Result
PAIF01	Add item success	S1	Enter all required fields properly and click submit.	The item should be added with the inputted details.
PAIF02	Add item one omitted	S1	Input all required fields except one. Click submit.	The user must be prompted to enter the required fields before submitting.
PAIF0	Add item	S2	Add an item with all required	The item should be added

ID	Title	Severity Level	Instructions	Expected Result
3	bought date success		fields as well as optional date.	with the inputted details.
PAIF04	Edit item amount	S2	Edit an item's amount to a different value and click submit.	The changes made should be visible on the list of items.
PAIF05	Edit item unit	S2	Edit an item's unit to a different value and click submit.	The changes made should be visible on the list of items.
PAIF06	Edit item bought date	S2	Edit an item's bought date to a different value and click submit.	The changes made should be visible on the list of items.

10. Meal Planning: Recipe Module

ID	Title	Severity Level	Instructions	Expected Result
MPRF01	Open module	S1	Click on a recipe that has been scheduled in the calendar.	The recipe module should open up with the details of the appointment.
MPRF02	Delete plan	S1	In the recipe module, click the delete button to unschedule that meal.	The selected meal appointment should disappear from the calendar.

11. Saved Recipe: Add Recipe Module

ID	Title	Severity Level	Instructions	Expected Result
SRARF01	Check required fields	S1	Enter info in the required fields (name, ingredients and instructions) one at a time and click submit. Repeat with 2 at a time.	The user must be prompted to fill empty required fields
SRARF02	Image link valid	S2	Enter all the required info and an invalid image link and click	The user will be prompted to enter a valid image URL

ID	Title	Severity Level	Instructions	Expected Result
			submit	
SRARF03	Add Recipe Success	S1	Enter all the required info and a valid image link and click submit	The custom recipe will be created and listed in the list of saved recipes
SRARF04	Add Recipe Success no image	S2	Enter all the required info but no image link and submit.	The custom recipe will be created and listed in the list of saved recipes with no image to be displayed.
SRARF05	Empty success	S3	Click submit with all fields empty	The user will be prompted that there is nothing to be saved.
SRARF06	Cancel success	S2	Click the cancel button and say yes first with and then without information in the fields	The recipe would not be added to the list

12. Saved Recipe: View Recipe

ID	Title	Severity Level	Instructions	Expected Result
SRVRF01	Open recipe module	S1	Click on a saved recipe.	The recipe should open in a modal with the correct details.
SRVRF02	Rating initial	S2	Rate an unrated recipe with 1 - 5 stars (5 recipes)	The rating should be successfully saved and when the recipe module is closed and opened, the new rating should be reflected.
SRVRF03	Rating change	S2	Rate an already rated recipe with a different value. Close and open the same recipe module.	The recipe rating should be updated with the new rating.
SRVRF04	Delete Recipe	S1	Click the delete button on a saved recipe	The recipe should be removed from the list of saved recipes
SRVRF05	Print Recipe	S2	Click the print button on a saved recipe	A print module should open up allowing the user to print the recipe

SRVR F06	Add to Groceries	S2	Open a recipe with 2-3 valid ingredients. Click Add to Groceries button	The ingredients should be added to the grocery list with the relevant information.
SRVR F07	Tab Check	S1	Navigate through all the tabs available.	All relevant information is present at the correct places.
SRVR F08	Save Notes	S2	Enter a note in the notes tab and click the save notes button	The recipe should now contain the notes added until further edits are saved.
SRVR F09	Save Notes cancelled	S2	Enter a note in the notes tab and exit the recipe module	The user should be prompted to save the changes made to notes
SRVR F10	Subtract ingredients from pantry	S1	Click on the subtract ingredients from pantry with a recipe which contains ingredients in pantry	The corresponding ingredients should be removed from the pantry
SRVR F11	Subtract ingredients from pantry invalid	S2	Click on the subtract ingredients from pantry with a recipe which contains ingredients not in pantry	No changes should be made in the pantry
SRVR F12	Edit values success	S1	Edit the text fields for a saved recipe by clicking the edit button one by one and click save. Check to see if the changes made were applied	The changes made must be reflected the next the recipe is opened.
SRVR F13	Edit values cancel	S2	Click cancel after making changes in the edit mode	The user will be prompted that there are unsaved changes.
SRVR F14	Edit values no change	S2	Click save in the edit mode without making any changes to the recipe.	The user will be prompted to make changes before the edited recipe can be saved.

Equivalence Test Cases

1. Home page

ID	Title	Severity Level	Instructions	Expected Result
Home E01	Invalid Recipe Search	S2	Search entry includes invalid characters	Warning given preventing search, search entry cannot contain invalid characters
Home E02	Advanced Filter	S2	Searching with the advanced filters set	The recipes that show up should be filtered according to the advanced filters
Home E03	Apply Saved Setting	S2	Searching when the toggle is set to using saved settings	The recipes displayed should be according to the saved settings that were applied
Home E04	Using My Ingredients	S2	Searching with the Using My Ingredients button	The recipes displayed should be recipes that include the ingredients within the my ingredients section
Home E05	Random	S2	Search using the random button	Random results should be returned

2. Grocery List page

ID	Title	Severity Level	Instructions	Expected Result
GLE01	Invalid List Title	S1	List title entered is not valid	Does not let you create the list and a warning is provided
GLE02	Invalid Ingredient name	S1	Ingredient entered is not a valid ingredient to be used in the rest of the application	Does not let you add the ingredient and a warning is provided

GLE03	Multiple ingredients per line	S1	Ingredients are entered as a comma separated list rather than on new lines	Does not let you create the list as the ingredients are invalid, and a warning is provided claiming this
GLE04	No ingredients added	S1	No ingredients are entered into the list on creation	Creates an empty list
GLE05	Change to Invalid Title	S1	When changing list title, an invalid one is provided	A warning is provided and nothing is changed.

3. Pantry Page

ID	Title	Severity Level	Instructions	Expected Result
Pantry E01	Add Invalid Amount	S2	Amount provided is not a valid number	Warning is provided, ingredient is not added to pantry
Pantry E02	No Unit	S2	No unit is provided for the ingredient	Warning is provided, ingredient is not added to pantry
Pantry E03	Invalid Ingredient Name	S2	Invalid ingredient name is provided	Warning is provided, ingredient is not added to pantry
Pantry E04	No Date	S1	No purchase date is provided	Warning is provided, ingredient is added to pantry anyway
Pantry E05	Add Multiple ingredients	S2	Multiple ingredient names are added	Warning is provided, must remove ingredient before adding to pantry

4. Meal Planning Page

ID	Title	Severity Level	Instructions	Expected Result

MPE01	Correct Meals	S2	A meal/recipe is saved and the meal plan page has been navigated to	The appropriate meal should show up on the appropriate date it was planned for

5. Saved Recipe Page

ID	Title	Severity Level	Instructions	Expected Result
SRE01	Invalid Recipe Title	S1	Recipe title entered is not valid	The recipe is not created and an appropriate error message is provided
SRE02	Invalid Image Link	S1	Image link entered is not a valid image	The recipe is not created and an appropriate error message is provided
SRE03	Invalid Ingredient name	S1	Ingredient listed is not a valid predefined ingredient	The recipe is not created and an appropriate error message is provided
SRE04	Multiple ingredients per line	S1	Multiple ingredients are entered on one line	The recipe is not created and an appropriate error message is provided
SRE05	No ingredients added	S1	No ingredients are entered	The recipe is not created and an appropriate error message is provided
SRE06	No instructions added	S1	No instructions are added	The recipe is not created and an appropriate error message is provided

6. Settings Module

ID	Title	Severity Level	Instructions	Expected Result
SettingsE01	Saving Invalid Ingredient	S2	When including a saved ingredient input one that is not on the dropdown such as just a letter	The module should return an error saying that the item is not a valid item and can not be saved

Setting sE02	Clear Item	S2	After adding a valid ingredient, try and clear it from saved settings	The item should disappear after it has been cleared and resubmitted
Setting sE03	Diet Entry	S2	When altering the diet settings select a diet	The diet should be saved

7. Saved Recipe: View Recipe

ID	Title	Severity Level	Instructions	Expected Result
SRVE 01	New recipe title invalid	S1	Provide an invalid recipe title	The recipe is not saved, and an appropriate error message is provided
SRVE 02	New image link invalid	S1	Provide an invalid image link	The recipe is not saved, and an appropriate error message is provided
SRVE 03	All ingredients removed	S2	Remove all listed ingredients from the recipe	The recipe is not saved, and an appropriate error message is provided
SRVE 04	All instructions removed	S2	Remove all listed instructions from the recipe	The recipe is not saved, and an appropriate error message is provided

Boundary Test Cases

1. Home page

ID	Title	Severity Level	Instructions	Expected Result
Home B01	Empty Search Bar	S1	When searching, do not enter anything into the search bar and hit enter	The search bar should not do anything and no search should be performed
Home B02	Invalid Characters	S1	When searching, enter an invalid character to the search bar and try and perform the search	The search bar should not do anything and no search should be performed

Home B03	Empty Ingredients	S1	When searching using my ingredients, use an empty ingredients list	The search should return nothing because the list is empty
Home B04	Invalid Advanced Search	S1	When entering advanced search criteria enter invalid options	The advanced module should return an error given invalid options

2. Grocery List page

ID	Title	Severity Level	Instructions	Expected Result
GLB01	Blank List Title	S2	Enter no list title	An error message should be provided and no list should be created
GLB02	Blank ingredient list	S2	No ingredients are listed	An error message should be provided and no list should be created
GLB03	Edited List Title is Blank	S2	Edit an existing list to remove the list title	An error message should be provided and the list changes should not be saved
GLB04	Edited Ingredients list is empty	S2	Edit an existing list to remove all ingredients	An error message should be provided and the list changes should not be saved

3. Pantry Page

ID	Title	Severity Level	Instructions	Expected Result
Pantry B01	No Amount	S1	Provide no ingredient amount	An error is provided and the ingredient is not added
Pantry B02	No Unit	S1	Provide no ingredient unit	An error is provided and the ingredient is not added
Pantry	No	S1	Provide no ingredient name	An error is provided and

B03	Ingredient			the ingredient is not added
Pantry B04	No Bought Date	S1	Provide no bought date	An error is provided and the ingredient is not added
Pantry B05	Edit No Amount	S1	When editing an existing item, remove amount	An error is provided and no changes are saved to the ingredient
Pantry B06	Edit No Unit	S1	When editing an existing item, remove unit	An error is provided and no changes are saved to the ingredient
Pantry B07	Edit no date	S1	When editing an existing item, remove date	An error is provided and no changes are saved to the ingredient

4. Saved Recipe Page

ID	Title	Severity Level	Instructions	Expected Result
SRB01	Recipe Title Blank	S2	Recipe Title entered is blank	Warning given preventing submission, Recipe title must be not be blank
SRB02	Invalid Image Link	S1	Invalid Image link entered	Warning given preventing submission, Image link must be valid
SRB03	Ingredients Blank	S2	Ingredients list entered is blank	Warning given preventing submission, Ingredients must be not be blank
SRB04	Instructions Blank	S2	Instructions entered is blank	Warning given preventing submission, Instructions must be not be blank
SRB05	Edit Empty Recipe Title	S1	When editing an existing recipe, remove the recipe title	Appropriate error message is provided, no changes are saved
SRB06	Edit Empty Image Link	S1	When editing an existing recipe, remove image link	Appropriate error message is provided, no changes are saved

SRB07	Edit Empty Ingredients	S1	When editing an existing recipe, remove the ingredients list	Appropriate error message is provided, no changes are saved
SRB08	Edit Empty Instructions	S1	When editing an existing recipe, remove the instructions list	Appropriate error message is provided, no changes are saved

5. Settings Module

ID	Title	Severity Level	Instructions	Expected Result
SettingsB01	Invalid Excluded Ingredients	S2	When in the settings module and trying to add an excluded ingredient add an ingredient that is not valid	The module should display an error saying not a valid excluded item
SettingsB02	Empty Excluded Ingredients	S2	When in the settings module and trying to add an excluded ingredient add an ingredient that is empty	The module should display an error saying empty excluded ingredient

7. Pantry: Add Item module

ID	Title	Severity Level	Instructions	Expected Result
PAIB01	Amount Invalid	S1	Amount entered contains non-numerical values	Warning given preventing submission, amount value must be valid
PAIB02	Amount blank	S2	Amount entered is blank	Warning given preventing submission, amount value must be not be blank
PAIB03	Units unselected	S2	Units are not selected	Warning given preventing submission, units not selected
PAIB04	Ingredient blank	S1	Ingredient entered is blank	Warning given preventing submission, ingredients must not be blank

| PAIB05 | Non-pre defined Ingredie nt | S1 | Ingredient entered is not predefined. | Warning given preventing submission, ingredients must be from a predefined list |