

Night-In

Team 19

Test Plan

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1) As a User, I would like to create an account

Functionality

- Create 001, Login/Create Account Button, Severity 1
- Click "Create Account/Login" Button
- Page navigates to "<website>.com/auth/google" which is used to sign in to google
- Create 002, Correct Create User Screen, Severity 1
- Finish creating an account through google
- Page navigates to "<website>.com" which is the main webpage,

Equivalence

N/A

Boundary

N/A

2) As a User, I would like to look up recipes

Functionality

- Search 001, Search for a normal recipe, Severity 1
- Click the search bar, type in "Chicken Parmesan", Click search
- Tiles containing recipes for chicken parmesan show up

Equivalence

- Search 002, Search for a recipe with a special character, Severity 1
- Click the search bar, type in "Chicken Parmesan#", Click search
- Tiles containing recipes for chicken parmesan show up

Boundary

N/A

3) As a User, I would like to log into my account that I set up before

Functionality

- Login 001, Login Button, Severity 1
- Click "Create Account/Login" Button
- Page navigates to "<website>.com/auth/google" which is used to sign in to google
- Login 002, Correct Login Screen, Severity 1
- Finish signing in through google
- Page navigates to "<website>.com" which is the main webpage, previous settings hadn't changed, login button now says log out

Equivalence

N/A

Boundary

N/A

4) As a User, I would like to add my own custom recipes to my saved recipes lists

Functionality

- Custom 001, Custom Recipes button, severity 2
- Click add recipe
- Modal pops up with a form to fill out for custom recipes
- Custom 002, Custom Recipes info and submit, severity 2
- Type in recipe name as “chicken parmesan”, recipe ingredients as “1lb chicken <enter> ½ cup parmesan”, recipe directions “Put it all together”, recipe nutrition as “none”, click submit button
- In the saved recipes list there should now be a chicken parmesan recipe

Equivalence

- Custom 003, recipe name special character, severity 2
- Type in recipe name as “chicken parmesan%”, recipe ingredients as “1lb chicken <enter> ½ cup parmesan”, recipe directions “Put it all together”, recipe nutrition as “none”, click submit button
- In the saved recipes list there should now be a chicken parmesan recipe
- Custom 004, recipe ingredients special character, severity 2
- Type in recipe name as “chicken parmesan”, recipe ingredients as “1lb chi%cken <enter> ½ cup parmesan”, recipe directions “Put it all together”, recipe nutrition as “none”, click submit button
- In the saved recipes list there should now be a chicken parmesan recipe
- Custom 005, recipe directions special character, severity 2
- Type in recipe name as “chicken parmesan”, recipe ingredients as “1lb chicken <enter> ½ cup parmesan”, recipe directions “Put it all% together”, recipe nutrition as “none”, click submit button
- In the saved recipes list there should now be a chicken parmesan recipe
- Custom 006, recipe nutrition special character, severity 2
- Type in recipe name as “chicken parmesan”, recipe ingredients as “1lb chicken <enter> ½ cup parmesan”, recipe directions “Put it all together”, recipe nutrition as “no%ne”, click submit button
- In the saved recipes list there should now be a chicken parmesan recipe

Boundary

- Custom 007, Custom Recipes blank name, severity 2
- Keep recipe name blank, recipe ingredients as "1lb chicken <enter> ½ cup parmesan", recipe directions "Put it all together", recipe nutrition as "none", click submit button
- There should be a popup saying that a recipe name is required
- Custom 008, Custom Recipes blank ingredients, severity 2
- Type in recipe name as "chicken parmesan, keep recipe ingredients blank, recipe directions "Put it all together", recipe nutrition as "none", click submit button
- There should be a popup saying that recipe ingredients are required
- Custom 009, Custom Recipes blank directions, severity 2
- Type in recipe name as "chicken parmesan, recipe ingredients as "1lb chicken <enter> ½ cup parmesan", keep recipe directions blank, recipe nutrition as "none", click submit button
- There should be a popup saying that recipe directions are required
- Custom 010, Custom Recipes blank nutrition, severity 2
- Type in recipe name as "chicken parmesan", recipe ingredients as "1lb chicken <enter> ½ cup parmesan", recipe directions "Put it all together", keep recipe nutrition blank, click submit button
- In the saved recipes list there should now be a chicken parmesan recipe

5) As a User, I would like to log out of my account

Functionality

- Logout 001, Logout Button, severity 2
- Click Logout button
- Page navigates to the main page, log out button now says create account/login

Equivalence

N/A

Boundary

N/A

6) As a User, I would like to create multiple grocery lists

Functionality

- Grocery 001, Basic Functionality, Severity 2
- While viewing a recipe, click the grocery list button
- Page displays a formatted list that can be printed off using the browser print tool

Equivalence

N/A

Boundary

N/A

7) As a User, I would like to search by ingredients**Functionality**

- Ingredient Search 001, Basic Ingredient Searching, Severity 2
- In the Search section, type in an ingredient into the search bar
- A list of recipes that can be made with the ingredient should show up

Equivalence

- Ingredients Search 002, Repeated Ingredient Search, Severity 3
- Search for a recipe by using one ingredient repeated ("i.e. Chicken Chicken")
- Results should show up as if the ingredient was entered once

Boundary

- Ingredient Search 003, Empty Search, Severity 3
- Enter no ingredients in the search bar and initiate a search
- The results section should be empty
- Ingredient Search 004, Multiple Ingredient Search, Severity 3
- Enter 3 ingredients in the search bar and initiate a search
- A list of recipes that can be made with the 3 ingredients should show up

8) As a User, I would like to set a list of ingredients that I cannot use**Functionality**

- Excluded Ingredients 001, Basic Ingredient Exclusion, Severity 2
- Navigate to the profile and click on the button to pull up a list of excluded ingredients. Input an ingredient and click save.
- A notification should be shown that the results are saved, and the list should show the input ingredient upon a refresh of the webpage
- Excluded Ingredients 002, Delete Ingredients from Exclusion List, Severity 2
- Click on the "X" buttons on a list of input ingredients to delete them
- The selected ingredients should be permanently deleted from the list and should not show up upon a refresh

Equivalence

- Excluded Ingredients 003, Duplicate Ingredients, Severity 3

- Attempt to input an ingredient that is already in the list
- A notification should show up that the ingredient is already in the list, and the ingredient should not be added to the list for a second time

Boundary

- Excluded Ingredients 004, Add No Ingredient, Severity 3
- Enter no new ingredients into the list
- The Save button should be greyed out and should trigger no events
- Excluded Ingredients 005, Add Multiple Ingredients, Severity 2
- Enter at least 3 ingredients into the list and click save
- A notification should show, and the input ingredients should be displayed in the list upon a refresh

9) As a User, I would like to save searched recipes to my account

Functionality

- Recipe Saving 001, Basic Recipe Saving, Severity 2
- When viewing a recipe, click on the save button to save the viewed recipe
- A notification should display upon successful saving, and the recipe should display under the user's saved recipes upon navigating to that section

Equivalence

- Recipe Saving 002, Saving Duplicate Recipes, Severity 3
- When viewing a recipe that is already saved, click the save button
- A notification should pop up indicating that a user has already saved that recipe, and a duplicate entry should not be saved to the user's list

Boundary

N/A

10) As a User, I would like to track my ingredients on hand

Functionality

- Ingredient Tracking 001, Basic Ingredient Tracking, Severity 2
- Upon navigating to the Ingredient Tracker, input a basic ingredient to be tracked and click save
- The ingredient should display in the list and show up upon refresh
- Ingredient Tracking 002, Delete Ingredients from Ingredient List, Severity 2
- Click on the "X" buttons on a list of input ingredients to delete them
- The selected ingredients should be permanently deleted from the list and should not show up upon a refresh

Equivalence

- Ingredient Tracking 003, Duplicate Ingredients, Severity 3
- Attempt to input an ingredient that is already in the list
- A notification should show up that the ingredient is already in the list, and the ingredient should not be added to the list for a second time

Boundary

- Ingredient Tracking 004, Add No Ingredient, Severity 3
- Enter no new ingredients into the editor
- The nothing should be saved to list
- Ingredient Tracking 005, Add Multiple Ingredients, Severity 2
- Enter at least 2 ingredients into the list and click save
- An alert should show saying to only input one ingredient at a time

11) As a User, I would like to write notes on my saved recipes

Functionality

- Notes 001, Saving a note, Severity 2
- While looking at a recipe, click edit
- In edit screen, click add note
- Write a note into pop up and click save
- The note should be displayed when viewing the recipe
- Notes 002, Closing Before Saving, Severity 2
- In edit screen, click add note
- Write a note into pop up and click close
- A warning should appear saying "Would you like to save your note?" with options Save, Don't Save, and Cancel
- Notes 003, Saving with no input, Severity 2
- In edit screen, click add note
- Do not type anything and click save
- A message should appear with saying "There is nothing to save"
- Notes 004, Closing with no input, Severity 2
- In edit screen, click add note
- Do not type anything and click close
- The note pop up should close and there should be not new notes

Equivalence

N/A

Boundary

N/A

12) As a User, I would like to edit my saved searched recipes

Functionality

- Edit 001, Saving an edit, Severity 2
- While looking at a recipe, click edit
- In edit screen, change any piece of text and click save
- The changes should be displayed when viewing the recipe from saved recipes
- Edit 002, Closing Before Saving, Severity 2
- In edit screen, change any piece of text and click close
- A warning should appear saying "You have unsaved changes. Exit anyways?" with options Yes and No
- Edit 003, Saving with no changes, Severity 2
- In edit screen, do not make any changes and click save
- A message should appear with saying "There is nothing to save"
- Edit 004, Closing with no changes, Severity 2
- In edit screen, do not make any changes and click close
- The edit screen should close and no changes should be seen

Equivalence

N/A

Boundary

N/A

13) As a User, I would like to see a price breakdown of recipes

Functionality

- Price 001, Basic Functionality, Severity 2
- While looking at a recipe, click the price breakdown button
- Page displays a list of ingredients with the price for each and a final total
- Price 002, Basic Closing Functionality, Severity 2
- While looking at a price breakdown, click close button
- The list should collapse displaying a price breakdown button

Equivalence

N/A

Boundary

N/A

14) As a User, I would like to see a price breakdown of recipes based on the current ingredients that I have on hand

Functionality

- Price Current Ingredients 001, Basic Functionality with no ingredients in List, Severity 2
- While looking a price breakdown of a recipe, click on include my ingredients
- List should not change

- Price Current Ingredients 002, Basic Functionality with Ingredients in List, Severity 2
- Add some ingredients from a recipe to the user's on hand ingredients
- While looking a price breakdown of a recipe, click on include my ingredients
- List should update to show which ingredients the user has and should not include, the total should also reflect this

- Price Current Ingredients 003, Basic Functionality with All Ingredients in List, Severity 2
- Assuming every ingredient in a recipe is in a user's on hand ingredients list, While looking a price breakdown of a recipe, click on include my ingredients
- List should update to show that every ingredient is owned by user while still displaying the ingredients, total should be zero

Equivalence

N/A

Boundary

N/A

15) As a User, I would like to specify my diet (i.e. vegetarian, vegan, etc.) to receive relevant search results and save this to my account

Functionality

- Diet 001, Select Diet Preference, Severity 1
- Click "Advanced" Button
- Page expands to list additional search options including different diets

- Diet 002, Select Diet Preference, Severity 1
- Click "Vegan" Checkbox in expanded search options, type "Burger" into search bar, and click search button

- A list of vegan burger recipes appears
- Diet 003, Change Diet Preference, Severity 2
- Click “Vegan” checkbox in expanded search options and then “Vegetarian” checkbox
- The preferred diet should be changed from Vegan to Vegetarian (Vegan checked and Vegetarian unchecked to Vegan unchecked and Vegetarian checked)
- Diet 004, Save specified diet, Severity 3
- Click “Settings” at the top, and set the diet to “Vegan” and click save. Reload page, reopen expanded search options list, and click the “Apply Saved Settings” slider. Type “Burger” into search bar, and click search button
- A list of vegan burger recipes appears

Equivalence

- Diet 005, Search unrelated diet item, Severity 2
- Click “Vegan” checkbox in expanded search options, type “Steak” into search bar, and click search button
- Either an empty list or a list of recipes with Vegan substitutes for Steak appears

Boundary

- N/A

16) As a User, I would like to give ratings to particular recipes

Functionality

- Rating 001, Give rating to recipe, Severity 2
- Type “Parmesan Chicken” into search bar, and save it to your recipes. View it in the saved page, give a rating of 5, and refresh the page
- The recipe should have a rating of 5.

Equivalence

- Rating 002, Give rating below accepted range, Severity 3
- Type “Parmesan Chicken” into search bar, and save it to your recipes. View it in the saved page, give a rating of less than 0
- A popup should appear stating input should be between 0 and 5
- Rating 003, Give rating above accepted range, Severity 3
- Type “Parmesan Chicken” into search bar, and save it to your recipes. View it in the saved page, give a rating of greater than 5

- A popup should appear stating input should be between 0 and 5
- Rating 004, Give rating within accepted range, Severity 2
- Type “Parmesan Chicken” into search bar, and save it to your recipes. View it in the saved page, give a rating between 0 and 5, and refresh
- The recipe should have the input rating.

Boundary

- Rating 005, Give rating one above upper limit, Severity 3
- Type “Parmesan Chicken” into search bar, and save it to your recipes. View it in the saved page, give a rating of -1
- A popup should appear stating input should be between 0 and 5
- Rating 006, Give rating one below lower limit, Severity 3
- Type “Parmesan Chicken” into search bar, and save it to your recipes. View it in the saved page, give a rating of 6
- A popup should appear stating input should be between 0 and 5

17) As a User, I would like to sort my saved recipes by ratings

Functionality

- Sort 001, sort by ratings descending, Severity 3
- Navigate to saved recipes and click “sort by rating descending”
- Saved recipes are listed in descending order by rating.
- Sort 002, sort by ratings ascending, Severity 3
- Navigate to saved recipes and click “sort by rating ascending”
- Saved recipes are listed in ascending order by rating.

Equivalence

- N/A

Boundary

- N/A

18) As a user, I would like to be able to print out recipes

Functionality

- Print 001, Print preview, Severity 3

- Navigate to saved recipes, click on a saved recipe, and click print
- A modal print preview should pop up
- Print 002, Print recipe, Severity 3
- From print preview modal select printer and click print
- Recipe is printed
- Print 003, Print cancel, Severity 3
- From print preview modal select cancel
- Modal should close and no printing occurs

Equivalence

- N/A

Boundary

- N/A

19) As a user, I would like to be able to view random recipes

Functionality

- Search 003, Search for a normal recipe, Severity 3
- Click “search random”
- Tiles containing random recipes show up

Equivalence

- N/A

Boundary

- N/A

20) As a user, I would like to view nutrition information for recipes in a graphical format

Functionality

- Nutrition 001, View nutrition facts graphically, Severity 3
- Click “nutrition facts” for a recipe
- A graphical representation of the nutrition facts appears

Equivalence

- N/A

Boundary

- N/A

21) As a user, I would like to find substitutions for ingredients

Functionality

- Substitution 001, Change an ingredient to a similar one, Severity 2
- Search “pancake,” and view “The Best Pancake.” Click the “2 large eggs” ingredient
- A pop up displays with similar ingredients
- Substitution 002, Change an ingredient to a similar one and then back to the original, Severity 2
- Click a right arrow next to an ingredient for a recipe once, then a left arrow once
- The ingredient changes to a similar one, then back to the original

Equivalence

- Substitution 003, Change an ingredient a large number of times, Severity 2
- Click a right arrow next to an ingredient for a recipe a number of times greater than 1, then a left arrow a number of times greater than 1
- The ingredient changes to a similar one or back to the original

Boundary

- N/A

22) As a User, I would like to be able to delete recipes from my saved recipes

Functionality

- Delete 001, Accidental delete protection, Severity 2
- Next to a saved recipe, click the trash can/delete icon
- A pop-up asking “are you sure” appears
- Delete 002, Delete a saved recipe, Severity 2
- Next to a saved recipe, click the trash can/delete icon
- A pop-up asking “are you sure” appears. Click “yes”. The recipe disappears from the saved list
- Delete 003, Delete a saved recipe, Severity 2
- Next to a saved recipe, click the trash can/delete icon
- A pop-up asking “are you sure” appears. Click “no”. The recipe stays in the saved list

Equivalence

- N/A

Boundary

- N/A

23) As a user, I would like to make a meal plan based on my saved recipes

Functionality

- Meal Plan 001, Meal Plan Recipe Saving, Severity 2
- When viewing a recipe, click on the “add to meal plan” button to save the viewed recipe to the meal plan
- A calendar will appear for the user to choose what day to add the recipe to, clicking a day will add it and the calendar will disappear

Equivalence

- N/A

Boundary

- Meal Plan 002, Meal plan recipe saving in the past, Severity 3
- When viewing a recipe, click on the “add to meal plan” button to save the viewed recipe to the meal plan
- A calendar will appear for the user to choose what day to add the recipe to, clicking a day in the past will do nothing
- Meal Plan 003, Meal plan recipe saving in the far future, Severity 3
- When viewing a recipe, click on the “add to meal plan” button to save the viewed recipe to the meal plan
- A calendar will appear for the user to choose what day to add the recipe to, clicking a day more than a year from the current date will do nothing

24) As a user, I would like to modify/delete recipes in my meal plan

Functionality

- Meal Plan Modify 001, Delete a meal in the meal plan, Severity 2
- Next to a recipe in the meal plan, click the trash can/delete icon

- A pop-up asking “are you sure” appears. Click “yes”. The recipe disappears from the meal plan
- Meal Plan Modify 002, Modify a meal in the meal plan, Severity 2
- Next to a recipe in the meal plan, click the edit icon and change the recipe to something else
- Verify that the new recipe is displayed upon clicking save

Equivalence

- N/A

Boundary

- N/A

25) As a user, I would like to search for recipes using only the ingredients I have on hand

Functionality

- Ingredients On Hand Search 001, Filter Recipes by my Ingredients, Severity 3
- Go to the search page when ingredients are saved in the on hand list, check the filter to only show recipes using the ingredients that I have, and perform a basic search
- Verify that the recipes shown use only the ingredients that I have in the system

Equivalence

- N/A

Boundary

- Ingredients On Hand Search 002, Filter Recipes by no Ingredients, Severity 3
- Go to the search page when ingredients are *NOT* saved in the on hand list, check the filter to only show recipes using the ingredients that I have, and perform a basic search
- Verify that the search instead displays a message that you don't have saved ingredients
- Ingredients On Hand Search 003, Filter Recipes by my Ingredients No Results, Severity 3
- Go to the search page when ingredients are saved in the on hand list, check the filter to only show recipes using the ingredients that I have, and perform a search a recipe that cannot be made with the ingredients saved
- Verify that the search instead displays a message that no recipes matching the search can be made with the ingredients on hand

26) As a user, I would like to have the option of saving when I bought ingredients on the app to track freshness

Functionality

- Date 001, Add date to ingredient, Severity 2
- Navigate to your ingredient list, click “add new ingredient”, enter the ingredient, select the date the ingredient was bought, and save.
- The ingredient should appear in the ingredient list with the date located next to it
- Date 002, modify date on ingredient, Severity 3
- Navigate to your ingredient list, click on ingredient modify button, change date of ingredient to different date before the current date, and save
- Date in ingredient list should be updated

Equivalence

- Date 003 , select a future date, Severity 3
- Navigate to ingredient list, click add new ingredient, enter ingredient information, pick a future date, and save
- Modal/message should appear saying ingredient date cannot be later than current date with ok button

Boundary

- Date 004 , select tomorrow as date, Severity 3
- Navigate to ingredient list, click add new ingredient, enter ingredient information, pick date as tomorrow, and save
- Modal/message should appear saying ingredient date cannot be later than current date with ok button
- Date 005 , select today as date, Severity 3
- Navigate to ingredient list, click add new ingredient, enter ingredient information, pick today as date, and save
- Modal/message should appear saying ingredient date cannot be later than current date with ok button
- Date 006 , select yesterday as date, Severity 3
- Navigate to ingredient list, click add new ingredient, enter ingredient information, pick yesterday as date, and save

- The ingredient should appear in the ingredient list with the date located next to it

27) As a user, I would like to combine simple recipes into a single meal on my meal planner

Functionality

- Combine 001, Add second recipe to meal on meal planner, Severity 2
- Navigate to saved recipes and select “add to meal plan”, select meal with existing recipe, and click add
- Both the newly added recipe and the old recipe should appear in the same meal
- Combine 002, Remove recipe from meal on meal planner, Severity 2
- Navigate to meal planner and select a recipe on a meal with more than one recipe. Then click remove
- Only the removed recipe should disappear and the other should remain in the meal

Equivalence

- N/A

Boundary

- N/A

28) As a user, I would like to have a multiplier on a viewed recipe so that I can get proper ingredient quantities if I were to make the recipe more than once

Functionality

- Multiplier 001, Multiply by Positive Number, Severity 2
- Enter 2 as multiplier
- Ingredients should be double original amount

Equivalence

- Multiplier 002, Multiply by 10, Severity 1
- Enter 10 as multiplier
- Ingredients should be 10 times original amount

Boundary

- Multiplier 003, Multiply by Negative Number, Severity 2
- Enter -1 as multiplier

- An error message should appear saying “Multiplier cannot be negative”
- Multiplier 004, Multiply by Zero, Severity 2
- Enter 0 as multiplier
- An error message should appear saying “Multiplier cannot be zero”
- Multiplier 005, Multiply by 100, Severity 1
- Enter 100 as multiplier
- Ingredients should be multiplied by 100
- Multiplier 006, Multiply by 101, Severity 2
- Enter as 101 as multiplier
- An error message should appear saying “Multiplier should be 100 or less”

29) As a user, I would like my ingredients on hand to decrease after making a recipe

Functionality

- Decrease 001, Decrease with Ingredients on hand, Severity 2
- Assuming there are ingredients on hand from a recipe, go to the recipe and click create recipe button
- Ingredients should decrease based on the amount of ingredients needed
- Decrease 002, Decrease with Fewer Ingredients on hand than Needed, Severity 2
- Assuming there are ingredients on hand from recipe but less on hand than the recipe calls for, click create recipe button
- Ingredients should decrease but should not go below zero
- Decrease 003, Decrease with no Needed Ingredients on hand, Severity 2
- Assuming there are ingredients on hand but none are need for the recipe, click create recipe button
- None of the ingredients on hand should change

Equivalence

- N/A

Boundary

- N/A

30) As a developer, I would like to have a basic framework of the frontend to build off of for my user stories

Functionality

- Basic 001, Go to home, Severity 1
- Go to <https://night-in-12.firebaseio.com/>
- Verify that the website shows the main home page

- Basic 002, Go to Grocery List, Severity 2
- Go to <https://night-in-12.firebaseio.com/grocery>
- Verify that the website shows the grocery list page

- Basic 003, Go to pantry, Severity 2
- Go to <https://night-in-12.firebaseio.com/pantry>
- Verify that the website shows the pantry page

- Basic 004, Go to saved recipes, Severity 2
- After signing in, go to <https://night-in-12.firebaseio.com/saved>
- Verify that the website shows the saved recipes page

- Basic 005, Go to meal planning, Severity 2
- Go to <https://night-in-12.firebaseio.com/planning>
- Verify that the website shows the meal planning page

Equivalence

- N/A

Boundary

- N/A

31) As a developer, I would like to have the frontend be hosted on firebase

Functionality

- HostFrontend 001, Go to webpage, Severity 1
- Go to main page of website (<https://night-in-12.firebaseio.com/>)
- Verify that it was redirected to the firebase hosted website

Equivalence

- N/A

Boundary

- N/A

32) As a developer, I would like the server to be hosted remotely and accessible

Functionality

- Server 001, Ping Server to Test if Running and accessible, Severity 1
- Send a get request to <server ip>/test
- Verify a response of 200/OK was received

Equivalence

- N/A

Boundary

- N/A

33) As a developer, I would like to have my web traffic secure via https

Functionality

- Https 001, Test connection to website/server is done via https, Severity 3
- Navigate to website https://<website homepage>
- Verify successful connection was achieved and website homepage appeared

- Https 002, Test connection to website/server via http, Severity 3
- Navigate to website http://<website homepage>
- Verify unsuccessful connection via connection refused or 404 error

Equivalence

- N/A

Boundary

- N/A

Note:

Severity 1: Critical to success of software

Severity 2: Important

Severity 3: Software could function even with this defect in it