

System and Unit Test Report

Smartmeal

SmartTeam

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Sprint 1:

- A. User Story 1 from Sprint 1: As a registered user, I want to see what meals I have planned for the days of the week.
- B. User Story 2 from Sprint 1: As a user, I want to be able to register and log in so that I can see my specific meal plans.
- C. User Story 3 from Sprint 1: As a registered user, I want to be able to add meals to days of the week so I can plan out my food for the week.

Sprint 1 Scenario

Scenario (User Stories: A, B, C):

1. start Smartmeal app; select 'SIGN UP'; type
 - first name=<John>
 - last name=<Smith>
 - email=<jsmith@gmail.com>
 - password=<123jsmithPW#>
 - confirm password=<123jsmithPW#>
 - click 'Sign Up'
2. select 'LOG IN'
 - email=<jsmith@gmail.com>
 - password=<123jsmithPW#>
 - click 'Log In'
3. User should see a calendar view of the week with slots for placing individual meals
4. User should be able to click recipes and place them into breakfast, lunch, and dinner for each day

Sprint 2:

- A. User Story 1 from Sprint 2: As a user, I want to see a landing page that will show up before reaching the main functionality pages.
- B. User Story 2 from Sprint 2: As a user, I want to be able to add my own recipes for meals so that I and other users can use them.
- C. User Story 3 from Sprint 2: As a user, I want to see other users' meal plans and recipes so that I can use them myself if they match my preferences.

- D. User Story 5 from Sprint 2: As a user, I want to know what ingredients I need to make the meal plans I have planned out so that I know what to buy when going to the grocery store.
- E. User Story 6 from Sprint 2: As a user, I want to navigate through the app using a sidebar for easily accessing different features.

Sprint 2 Scenarios

Scenario (User Story A):

1. start Smartmeal app
2. User should see a landing page with information about the application (A)

Scenario(User Story B):

1. User should see a '+' sign at the right of the home screen (B)
2. click '+' sign at the right of the home screen
 - Diets='healthy'
 - click system='US'
 - Name of Recipe=<BLTA>
 - Ingredient=<Bread>, quantity=<1>, unit=<unit>
 - click '+'
 - Ingredient=<Lettuce>, quantity=<1>, unit=<unit>
 - click '+'
 - Ingredient=<Bacon>, quantity=<3>, unit=<unit>
 - click '+'
 - Ingredient=<Avocado>, quantity=<1>, unit=<unit>
 - click '+'
 - Ingredient=<Tomato>, quantity=<1>, unit=<unit>
 - click 'ADD RECIPE'
3. add BLTA to the meal plan

Scenario(User Stories C,E):

1. start Smartmeal app; log in using Scenario 1
2. User should see side bar with multiple buttons
3. scroll down if needed; user should see recipes that can be added to the meal plan slots
4. click the meal plan button on the sidebar
 - User should see meal plans
 - click the copy button
 - click the home button
 - User should see the meal plan copied to the home screen calendar

Scenario(User Story D):

1. click the ingredients checklist button on the sidebar
 - User should see the list of ingredients for the meal plan

- click the checkbox next to bacon
- click home
- click ingredients checklist button
- User should see that the checkbox is still checked off

Sprint 3:

- A. User Story 1 from Sprint 3: As a user, I want to be able to see what I had previously planned for my meals so that I can use the same meal plans in the future.
- B. User Story 2 from Sprint 3: As a user, I want to find foods that I enjoy and block foods that I dislike using a search bar so that I can create a personal meal plan.
- C. User Story 3 from Sprint 3: As a user, I want to be able to filter my meals by certain attributes that apply to my situation, such as a vegan diet.
- D. User Story 4 from Sprint 3: As a user, I want to be able to swap different ingredients for my meal plan so I can still cook recipes even if I can't eat certain foods.
- E. User Story 6 from Sprint 3: As a user, I want to be able to upload a photo of my recipe when creating a recipe

Sprint 3 Scenarios:

Scenario(User Story A):

1. start Smartmeal app; log in using Scenario 1
2. User should see side bar with multiple buttons
3. click the meal plan button on the sidebar
 - User should see previously created meal plans
 - click the copy button on the first meal plan
 - click the home button
 - User should see the meal plan copied to the home screen calendar

Scenario(User Stories B,C):

1. start at home screen
2. select 'Search...'; type;
 - 'Search...'= <BLTA>
 - User should see BLTA recipe as a result
3. click dietary preferences button;
 - User should see side menu pop up with dietary preferences;
 - click sad face for vegan, halal, kosher
4. User should see recipes that are marked as healthy; for example: BLTA

Scenario(User Story D):

1. start at home page
2. click the meal plan button
3. click the copy button for 'My Healthy Meal'
4. click on ingredient: 'cheese', if swap exists, displays vegan alternatives and healthier options
5. Click on a swap, gives option to swap in all recipes, or in just the current recipe
6. Click all recipes, all recipes now have the new ingredient in the recipe

Scenario (User Story E):

1. start at home screen;
2. click the add recipe button;
3. select Name of Recipe; type
 - o Name of Recipe=<Carbonara>
4. Select US
5. click add image button
 - o select image of carbonara from computer file system
6. Add ingredient
 - o select Ingredient; type
 - i. Ingredient=<Egg>
 - o select Quantity; type
 - i. Quantity=<2>
 - o select unit;
 - i. Unit=<Unit>
7. Add another ingredient: click '+' button
 - o select Ingredient; type
 - i. Ingredient=<Spaghetti>
 - o select Quantity; type
 - i. Quantity=<1>
 - o select unit;
 - i. Unit=<lbs>
8. Add another ingredient: click '+' button
 - o select Ingredient; type
 - i. Ingredient=<Bacon>
 - o select Quantity; type
 - i. Quantity=<1>
 - o select unit;
 - i. Unit=<lbs>
9. Add another ingredient: click '+' button
 - o select Ingredient; type
 - i. Ingredient=<Parmesan>
 - o select Quantity; type
 - i. Quantity=<1>

- select unit;
 - i. Unit=<lbs>
- 10. click 'ADD RECIPE'
- 11. click home button;
- 12. User should see Carbonara recipe with the Carbonara image they uploaded

Sprint 4:

- A. As a user, I want to be able to search for meal plans that I am interested in and copy them to my home page
- B. As a user, I want to be able to find out what ingredients I need for a recipe from the home page
- C. As a user, I want a confirmation message pop-up that will let me know if my recipe has been created

Sprint 4 Scenarios

Scenario(User Story A)

- 1. start at home screen; select 'Meal Plans' button in the sidebar
- 2. User should see the meal plans screen populated with meal plans
- 3. select 'Search...'; type
 - a. Search=<My Healthy Meal>
 - b. User should see 'My Healthy Meal' meal plan
 - c. click copy button
 - d. click home button
- 4. User should see 'My Healthy Meal' meal plan on the home screen

Scenario(User Story B)

- 1. start at home screen;
- 2. click the 'information' button on 'Cheeseburger';
- 3. User should see a list of ingredients needed to make the cheeseburger

Scenario (User Story C):

- 1. start at home screen;
- 2. click the add recipe button;
- 3. select Name of Recipe; type
 - Name of Recipe=<Carbonara>
- 4. Select US
- 5. click add image button
 - select image of carbonara from computer file system
- 6. Add ingredient
 - select Ingredient; type
 - i. Ingredient=<Egg>
 - select Quantity; type

- i. Quantity=<2>
 - o select unit;
 - i. Unit=<Unit>
- 7. Add another ingredient: click '+' button
 - o select Ingredient; type
 - i. Ingredient=<Spaghetti>
 - o select Quantity; type
 - i. Quantity=<1>
 - o select unit;
 - i. Unit=<lbs>
- 8. Add another ingredient: click '+' button
 - o select Ingredient; type
 - i. Ingredient=<Bacon>
 - o select Quantity; type
 - i. Quantity=<1>
 - o select unit;
 - i. Unit=<lbs>
- 9. Add another ingredient: click '+' button
 - o select Ingredient; type
 - i. Ingredient=<Parmesan>
 - o select Quantity; type
 - i. Quantity=<1>
 - o select unit;
 - i. Unit=<lbs>
- 10. click 'ADD RECIPE'
- 11. User should see a pop-up that says BLTA recipe has been created

Testing Approach

- Found in backend/src/__test__/testing.txt
- Found in frontend/src/__test__/testing.txt