

Test Plan

The Fresh Bagels

Part I

Independently testing the API, DB, and UI will be done during development and does not need to be a part of a test suite. So we will use this test plan to make sure that the application works from a User's perspective. All of the tests will therefore be integration based. Our general testing strategy is then to create tests that account for all features a User is supposed to have access to. Each feature will primarily have functional tests, but for features that could take a significant amount of time to complete we will create performance tests.

Part II

Social Media Feed 0 (Test 0)

- Purpose: This test will verify that sharing an **existing meal plan** is viewable by other users.
- Description: When User A shares one of their existing meal plans, then User B should be able to see it on their Global Social Media feed.
- Inputs:
 - (User A) Navigate to any existing meal plan, select the meal plan, press the share button, name the post, enter a post message, and press post.
 - (User B) Navigate to Social Media (with Global as default).
- Expected Result(s): User B should be able to see the shared meal plan. The Posting should have the correct meal plan, sharing User, and
- Normal
- Blackbox
- Functional
- Integration

Social Media Feed 1 (Test 1)

- Purpose: This test will verify that sharing a **newly created meal plan** is viewable by other users.
- Description: When User A shares a newly created meal plan, then User B should be able to see it on their Global Social Media feed.
- Inputs:
 - (User A) Navigate to Meal Plan creation, (create a meal plan), select meal plan, press the share button, name the post, enter a post message, and press post.
 - (User B) Navigate to Social Media (with Global as default).
- Expected Result(s): User B should be able to see the shared meal plan. The Posting should have the correct meal plan, sharing User, and
- Normal
- Blackbox

- Functional
- Integration

Social Media Feed 2 (Test 2)

- Purpose: This test will verify that sharing an **existing meal plan** is viewable by Users who have **friended you**.
- Description: When User A shares an existing meal plan, then User B, who has User A as a friend, should be able to see it on their Friends Social Media feed.
- Inputs:
 - (User A) Navigate to any existing meal plan, select the meal plan, press the share button, name the post, enter a post message, and press post.
 - (User B) Navigate to Social Media (with Global as default), press Friends tab.
- Expected Result(s): User B should be able to see the posted meal plan. The Posting should have the correct meal plan, sharing User, and
- Normal
- Blackbox
- Functional
- Integration

Social Media Feed 3 (Test 3)

- Purpose: This test will verify that sharing a **newly created meal plan** is viewable by Users who have **friended you**.
- Description: When User A shares an existing meal plan, then User B, who has User A as a friend, should be able to see it on their Friends Social Media feed.
- Inputs:
 - (User A) Navigate to Meal Plan creation, (create a meal plan), select meal plan, press the share button, name the post, enter a post message, and press post.
 - (User B) Navigate to Social Media (with Global as default), press Friends tab.
- Expected Result(s): User B should be able to see the posted meal plan. The Posting should have the correct meal plan, sharing User, and
- Normal
- Blackbox
- Functional
- Integration

Meal Plan Results 1 (Test 4)

- Purpose: To determine that a meal plan is returned that is to the specification of the user.
- Description: A user will select certain nutritional parameters for which to base their meal's upon. The application should return results which match those parameters.
- Inputs:
 - User will create a new plan
 - User will specify nutritional parameters
 - User will receive meals which match the parameters
- Expected Result(s): A meal plan which matches the nutritional parameters
- Normal

- Blackbox
- Functional
- Integration

Meal Plan Results 2 (Test 5)

- Purpose: To determine results upon extreme nutritional parameters.
- Description: A user will select a very specific and unlikely combination of nutrients.
- Inputs:
 - User creates a new meal plan
 - User specifies complex nutritional parameters and creates a meal plan
- Expected Result(s): Handle the error and present any possible recipes.
- Normal
- Whitebox
- Functional
- Integration

Grocery List Compilation 1 (Test 6)

- Purpose: To correctly assess and organize grocery items.
- Description: A user will create a meal plan and add it to their grocery list, allowing them to view all the ingredients they need.
- Inputs:
 - User creates meal plan
 - User adds meal plan to grocery list
- Expected Result(s): Ingredients of meal plan are correctly added to the grocery lists in an easily digestible fashion.
- Normal
- Blackbox
- Functional
- Integration

Recipe Details 1 (Test 7)

- Purpose: To ensure correct representation of recipe data from meal plan selection
- Description: A user will select a recipe from a meal plan to view all information regarding the recipe.
- Inputs:
 - A User will create a meal plan
 - A User will select a recipe from the meal plan to view
- Expected Result(s): The user will see all the details pertaining to that specific recipe
- Normal
- Blackbox
- Functional
- Integration

Recipe Details 2 (Test 8)

- Purpose: To ensure correct representation of recipe data from a social media card selection
- Description: A user will select a recipe from a shared social media card to view all information regarding the shared recipe.
- Inputs:
 - A User will navigate to the social media tab
 - A User will select a recipe from the list of recipes and meal plan shared on the social media page
- Expected Result(s): The user will see all the details pertaining to that specific recipe
- Normal
- Blackbox
- Functional
- Integration

Login Screen 1 (Test 9)

- Purpose: To make sure login functionality works
- Description: A user will sign-in with pre-registered login details to access the application.
- Inputs:
 - A User will navigate to the login page
 - A User will input their personal login information and click login
- Expected Result(s): The user will be redirected to the main screen of the application with their personal user info (meal plans, social media friends, etc.)
- Normal
- Blackbox
- Functional
- Integration

Login Screen 2 (Test 10)

- Purpose: To make sure account register functionality works
- Description: A user will sign-in with pre-registered login details to access the application.
- Inputs:
 - A User will navigate to the login page
 - A User will input their personal login information and click login
- Expected Result(s): The user will be redirected to the main screen of the application with their personal user info (meal plans, social media friends, etc.)
- Normal
- Blackbox
- Functional
- Integration

Part III

Test Id	Normal/ Abnormal	Blackbox/ Whitebox	Functional/ Performance	Unit/ Integration
0	Normal	Blackbox	Functional	Integration
1	Normal	Blackbox	Functional	Integration
2	Normal	Blackbox	Functional	Integration
3	Normal	Blackbox	Functional	Integration
4	Normal	Blackbox	Functional	Integration
5	Normal	Blackbox	Functional	Integration
6	Normal	Blackbox	Functional	Integration
7	Normal	Blackbox	Functional	Integration
8	Normal	Blackbox	Functional	Integration
9	Normal	Blackbox	Functional	Integration
10	Normal	Blackbox	Functional	Integration