**VALIDATION TESTING**

*Test Data Development*

Test for Ingredient Selection:

Data Set: Select various combinations of proteins and veggies.

Expected Outcome: The selections are correctly saved and displayed in a message box.

Screenshot(s):

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Test for Recipe Finding:

Data Set: After selecting ingredients, click "Find Recipe". Test with different combinations that match and don't match any recipes.

Expected Outcome: The application should display a recipe if one is found that matches the selected ingredients, or inform the user if no matching recipe is found.

Screenshot(s):

A screenshot of a computer menu

Description automatically generatedA screenshot of a computer

Description automatically generated

Test for Image Display:

Data Set: Launch the application and open the ingredient selection windows.

Expected Outcome: The relevant images should be displayed in both the main window and the ingredient selection windows.

Screenshot(s):

A close-up of vegetables

Description automatically generatedA close-up of food

Description automatically generated

Test for Exit Functionality:

Data Set: Click the "Exit" button on the main window.

Expected Outcome: The application should close.

Screenshot (the program closes and only the shell is left):

A screenshot of a computer

Description automatically generated

*Test Execution and Results*

Ingredient Selection Test:

Results: The application correctly saves the selected ingredients and displays them in a message box.

Fixes Required: None.

Recipe Finding Test:

Results: When matching ingredients were selected, the application successfully found and displayed a recipe. When no matching ingredients were selected, it appropriately informed the user.

Fixes Required: None.

Image Display Test:

Results: Images were successfully displayed in the main and selection windows.

Fixes Required: Adjusted image sizes for better fit.

Exit Functionality Test:

Results: The application closed as expected when the "Exit" button was clicked.

Fixes Required: None.