All features will make use of unit testing and user acceptance testing to make sure users see our project in the same light as the developers.

Feature 1: Search feature

Using the search box on the home page, this feature will return a list of matching recipes.

Unit Case Testing:
- Entering text input into the search box and viewing results through console log of data (both to the api and from the api)
- Same searches will return the same results each time
- Ingredients and instructions must match recipe that was loaded

User Acceptance Test Case:
- The user can expect to type inside the search bar and after pressing enter, the website should return multiple different pictures of that food item under 3 seconds
- Food items must match the relevant query that was entered
- The user should get the title of the food recipe by hovering over the picture
- Clicking on the image must display associated recipe information

Feature 2: Filter feature

This feature lets you filter recipes by a variety of stipulations apart from name alone such as diet and intolerances.

Unit Case Testing:
- Filters should be clickable, unclickable, and clearly marked
- Recipes must match all of the filters that were applied (results from console log of api call can verify this)

User Acceptance Test Case:
- The user can expect to be able to select from a menu drop down with different filters such as diet, intolerances, and cuisine before they search a food item.
- Should be user friendly and easy to find
- If no results match all of the filters, must display a "no results found" message

Feature 3: Show Recipe

We will also implement System testing for the recipe display page. This will list an image for the desired recipe and instructions on how to cook it.

Unit Case Testing:
- Clicking on recipe image from homepage must display full recipe results
- Check to make sure the data of the recipe is grabbed from the API and parsed based on image, instructions, ingredients, etc.
- Test to make sure all parsed data is filled into the applicable recipe areas.

User Acceptance Testing:
- After searching and selecting a picture, the user should be taken to a new page where the details of that recipe are displayed.
- The page should show a picture of that recipe, the ingredients, servings, and instructions on how to prepare it
- There should be a health indicator as well showing how healthy the option is.
- Ingredients and instructions should be clearly indicated for each selected recipe.

System Testing:
- Since the show recipe feature implies that the api calls are working together with our database, we can use this to test for complete integration.
  - Should pull recipe id from users database in the favorited recipes section and display full recipe
  - Should pull recipe id from the api results to show full recipe from homepage