

Test Set Documentation

- **Software Tested:** Differeat Application
- **Version:** [Version number or release date of the application]
- **Goal:** To verify that the Differeat application functions correctly according to the defined use cases and functional requirements.
- **Overall Results:** [Summary of the test results and any important observations]

Test Case Documentation

Test Case #1: Sign Up User (UC1)

- **Goal:** To test the functionality of the "Sign Up User" use case.
- **Environment:**
- **Driver:** Differeat application
- **Stub:** None
- **Oracle:** Validation of user registration in the application database
- **Input:** User enters valid information for registration (e.g., name, email, password)
- **Expected Output:** User account is successfully created and saved in the application database.
- **Actual Output:** This function is not implemented in the application.
- **Result:** Fail
- **Observations:** [Any additional observations or comments related to the test case]

Test Case #2: Login (UC2)

- **Goal:** To test the functionality of the "Login" use case.
- **Environment:**
- **Driver:** Differeat application
- **Stub:** None
- **Oracle:** Validation of user credentials during login
- **Input:** User enters valid credentials (username and password) for login
- **Expected Output:** User is successfully logged in and redirected to the session page.
- **Actual Output:** This function is not implemented in the application.
- **Result:** Fail
- **Observations:** [Any additional observations or comments related to the test case]

Test Case #3: Input Ingredients and Recipe Matching (UC3, R1 - S1, R2, R3, R4 - S2)

- **Goal:** To test the functionality of allowing users to select ingredients they have from a predefined list of ingredients in a database (R1) and matching the selected ingredients with recipes in a database (R2). The matching algorithm should prioritize recipes with a higher number of matching ingredients (R3) and consider the cuisine preference selected by the user, if any (R4).
- **Use Case:** Choose a Recipe (UC5)
- **Environment:**
- **Driver:** Differeat application
- **Stub:** Database containing a list of ingredients and matching recipes based on user-inputted ingredients and cuisine

- **Oracle:** Validation of user-submitted ingredients for matching recipes
- **Input:** User selects valid ingredients from the list provided by the application.
- **Expected Output:**
- User-submitted ingredients are successfully recorded and processed for recipe matching.
- User-selected recipe details (name, ingredients, cooking instructions, cooking time) are displayed on the screen.
- **Actual Output:** Testing by this output, code has been properly tested. Recipes compatible with the ingredients are presented to the user in the form of small cards. Later, when the user chooses what user wants from these cards, he can see the detailed recipe and how to make it.
- **Result:** Pass
- **Observations:** [Any additional observations or comments related to the test case]

Test Case #4: Cuisine Selection (UC4, R7, R8 - S4)

- **Goal:** To test the functionality of allowing users to choose a specific cuisine for the recipe recommendations (R7). The application should have a database of recipes for each cuisine available (R8).
- **Use Case:** Select a Cuisine (UC4)
- **Environment:**
- **Driver:** Different application
- **Stub:** Database containing recipes for different cuisines
- **Oracle:** Validation of user-selected cuisine and availability of recipes for the selected cuisine
- **Input:** User selects a valid cuisine from the available options.
- **Expected Output:** User-selected cuisine is successfully recorded and used for recipe filtering.
- **Actual Output:** Testing by this output, code has been properly tested. After the user has added his/her materials, user can choose the type of kitchen user wants. A single or more than one kitchen selection can be made. The recipes in the cuisine types that the user chooses are displayed.
- **Result:** Pass
- **Observations:** [Any additional observations or comments related to the test case]

Test Case #5: Choose a Recipe (UC5, R5, R6 - S3)

- **Goal:** To test the functionality of displaying the top 5 matching recipes to the user (R5). The application should display the recipe name, ingredients, cooking instructions, and cooking time for each recipe (R6).
- **Use Case:** Choose a Recipe (UC5)
- **Environment:**
- **Driver:** Different application
- **Stub:** Database containing matching recipes and their details
- **Oracle:** Validation of recipe details displayed to the user
- **Input:** User selects a valid recipe from the list of matching recipes.
- **Expected Output:** User-selected recipe details (name, ingredients, cooking instructions, cooking time) are displayed on the screen.

- **Actual Output:** Testing by this output, code has been properly tested. when the user chooses what he wants from these cards, user can see the detailed recipe and how to make it.
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- **Result:** Pass
- **Observations:** [Any additional observations or comments related to the test case]

Test Case #6: Basic User Management (UC1, UC2, R9, R10 - S5)

- **Goal:** To test the functionality of allowing users to create a new account and login (R9). The application should also allow users to update their account information (e.g., name, email address, password) (R10).
- **Use Cases:** Sign Up User (UC1), Login (UC2)
- **Environment:**
- **Driver:** Different application
- **Stub:** None (for login) and Database containing user accounts (for sign up and update)
- **Oracle:** Validation of user account creation, login, and account information update
- **Input:**
- For Sign Up User (UC1): User enters valid information for registration (e.g., name, email, password)
- For Login (UC2): User enters valid credentials (username and password) for login
- **Expected Output:**
- For Sign Up User (UC1): User account is successfully created and saved in the application database.
- For Login (UC2): User is successfully logged in and redirected to the session page.
- **Actual Output:** This function is not implemented in the application.
- **Result:** Fail
- **Observations:** [Any additional observations or comments related to the test case]

Test Case #	Test Case Description	Use Case (UC)	Requirement (R)	Result
1	Sign Up User (UC1)	UC1	R9	Fail
2	Login (UC2)	UC2	R10	Fail
3	Input Ingredients and Recipe Matching (UC3, R1 - S1, R2, R3, R4 - S2)	UC5	R1, R2, R3, R4	Pass
4	Cuisine Selection (UC4, R7, R8 - S4)	UC4	R7, R8	Pass
5	Choose a Recipe (UC5, R5, R6 - S3)	UC5	R5, R6	Pass
6	Basic User Management (UC1, UC2, R9, R10 - S5)	UC1, UC2	R9, R10	Fail