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| Project Name:  Test Case ID: FR\_4.1 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Location Session  Test Title: Verify user can set and change preferred location | | | Test Execution date: | |
| Description: Test location. | | | | |
| Precondition (If any): The user needs to have a valid location that they want to set as their preferred location. | | | | |
| **Test Steps**   1. Launch the app and go to the settings page. 2. Locate the option for setting the preferred location for weather forecasts. 3. Enter a new location. 4. Click the "Save" button to save the changes. 5. Verify that the preferred location is correctly displayed on the app's weather forecast page. | **Test Data**  Set and change location | **Expected Result**  The preferred location is saved and displayed correctly on both the and the weather forecast page. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: The new preferred location is saved and displayed correctly on the weather forecast page, and that the changes persist even after closing and reopening the app. | | | | |

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| Project Name:  Test Case ID: FR\_4.2 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Language Session  Test Title: Verify user can select and change preferred language. | | | Test Execution date: | |
| Description: Test language page. | | | | |
| Precondition (If any): The user needs to have a valid language that they want to set as their preferred language for the app. The app should support the language that the user wants to select. | | | | |
| **Test Steps**   1. Go to the settings page. 2. Locate the option for setting the preferred language 3. Select a new language from the menu. 4. Click the "Save" button to save the changes. 5. Close the app and reopen it to ensure that the preferred language is still saved. 6. Verify that the preferred language is correctly displayed throughout the app. | **Test Data**  Select and change language. | **Expected Result**  The preferred language is saved and displayed all app text and menus are displayed in the newly selected language. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: All app text and menus are displayed in the newly selected language. | | | | |

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| Project Name:  Test Case ID: FR\_4.3 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Profile Session  Test Title: Verify user can view and change profile information. | | | Test Execution date: | |
| Description: Test profile information page. | | | | |
| Precondition (If any): The user should have appropriate permissions to edit their own personal information, and the app should support the editing of personal information. | | | | |
| **Test Steps**   1. Go to the settings page. 2. Locate the option for editing personal information. 3. Select the field that the user wants to edit. 4. Enter the new information in the appropriate field. 5. Click the "Save" button to save the changes. 6. Verify that the updated information is displayed correctly on the settings page. 7. Verify that the updated information is correctly displayed in the user profile page. | **Test Data**  view and change profile information | **Expected Result**  The personal information is saved and displayed correctly on both the settings page and the user profile page. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: N/A | | | | |

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| Project Name:  Test Case ID: FR\_5.1 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Community feedback Session  Test Title: Verify users can provide feedback on the app. | | | Test Execution date: | |
| Description: Test feedback page. | | | | |
| Precondition (If any): The app has a feedback option available to users. | | | | |
| **Test Steps**   1. Open the feedback section. 2. Enter a feedback message in the provided text field. 3. Click the "Submit" button to submit the feedback. | **Test Data**  Feedback message | **Expected Result**  the user is able to provide feedback on the app, and their suggestions are properly recorded and sent to the developers | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: The feedback message is recorded and saved in the app. | | | | |

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| Project Name:  Test Case ID: FR\_5.2 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Community feedback Session  Test Title: Verify users can rate the app and leave reviews. | | | Test Execution date: | |
| Description: Test feedback page. | | | | |
| Precondition (If any): The app has a rating and review option available to users. | | | | |
| **Test Steps**   1. Open the rating and review page. 2. Select a rating and enter review text. 3. Click the "Submit" button to submit the rating and review. | **Test Data**  User rating and review text. | **Expected Result**  the user is able to rate the app and leave a review, and their rating and review are properly recorded and displayed to other users. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: The rating and review are recorded in the app. | | | | |

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| Project Name:  Test Case ID: FR\_5.3 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Community feedback Session  Test Title: Verify developers can respond to user feedback. | | | Test Execution date: | |
| Description: Test feedback page. | | | | |
| Precondition (If any): The app has a feedback and response system in place. | | | | |
| **Test Steps**   1. Receive user feedback through the app feedback system 2. Evaluate the feedback and determine appropriate response 3. Craft a response message and submit it through the app | **Test Data**  Developer response message | **Expected Result**  the developers are able to receive and view user feedback, and address any concerns or issues raised by the users. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: The user receives a response from the developer in the app. | | | | |

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| Project Name:  Test Case ID: FR\_6.1 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Check soil moisture Session  Test Title: Verify the app allows users to check soil moisture levels. | | | Test Execution date: | |
| Description: Check soil moisture page. | | | | |
| Precondition (If any): The device has an active internet connection, The user has a sensor that can measure the moisture levels in the soil. | | | | |
| **Test Steps**   1. Open the soil moisture checking feature. 2. Place the moisture sensor into the soil. 3. Verify that the moisture levels are displayed on the screen. 4. Repeat the test for different moisture levels and soil types. | **Test Data**  Soil moisture sensor or device | **Expected Result**  The moisture levels in the soil are displayed on the screen. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: The app successfully displays the moisture level reading for the soil, allowing users to monitor the health of their crops and ensure they are getting the water they need. | | | | |

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| Project Name:  Test Case ID: FR\_6.2 | | | Test Designed by: Nokibul Arfin Siam  Test Designed Date: 01-04-2023 | |
| Test Priority (Low, Medium, High): High | | | Test Executed by: | |
| Module Name: Save soil moisture data Session  Test Title: Verify the app allows users to view historical data on soil moisture levels. . | | | Test Execution date: | |
| Description: History of soil moisture. | | | | |
| Precondition (If any): The app has access to the sensor data for soil moisture levels. | | | | |
| **Test Steps**   1. Open the soil moisture checking feature. 2. Place the moisture sensor into the soil. 3. Verify that the moisture levels are displayed on the screen. 4. Record the moisture levels displayed on the screen. 5. Repeat the process over several days and record the moisture levels. 6. Open the historical data section. | **Test Data**  Historical soil moisture data | **Expected Result**  The app displays historical data on soil moisture levels, allowing users to view and track. | **Actual Result** | **Status (Pass/fall)** |
| Post Condition: The app is able to accurately display the soil moisture data for different locations and soil types. | | | | |