Project Name: plant.io

Test Case

Test Case ID: test_001

Test Designed by: Group 9

Test Priority (Low/Medium/High): medium

Test Designed date: November 6th 2017

Module Name: Plant.io main screen

Test Executed by: _____

Test Title: main screen test

Test Execution date: _____

Description: verify activities in the main screen of the application

Pre-conditions: software installed in user's device, Wi-Fi connected (with pot system)
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Display splash screen	-	Splash screen should be displayed when app is first starting up			
2	Provide plant's name		Software can display plant's name provided by user			
3	Display plant's condition		Software can display plant's condition (mood) using data provided by arduino			
4	Display plant's mood-based face		Plant's main character changes face based on mood condition			

Post-conditions:

Project Name: plant.io

Test Case

Test Case ID: test_002   **Test Designed by:** Group 9

Test Priority (Low/Medium/High): high   **Test Designed date:** November 13th 2017

Module Name: Plant.io temperature screen   **Test Executed by:** _____

Test Title: temperature screen test   **Test Execution date:** _____
Description: verify activities in the temperature screen of the
application

Pre-conditions: software installed in user's device, Wi-Fi connected (with pot system)
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to temperature screen		Software can navigate to temperature screen on button press			
2	Display temparture percentage		Software can display plant's surrounding temperature percentage using data provided by arduino			
3	Display temperature condition		Software can display plant's temperature condition (good or bad) using percentage data			
4	Navigate back to main screen		Software can navigate back to main screen on button press			

Post-conditions:

Project Name: plant.io

Test Case

Test Case ID: test_003   **Test Designed by:** Group 9

Test Priority (Low/Medium/High): high   **Test Designed date:** November 13th 2017

Module Name: Plant.io moisture screen   **Test Executed by:** _____

Test Title: moisture screen test   **Test Execution date:** _____
Description: verify activities in the moisture screen of the
application

Pre-conditions: software installed in user's device, Wi-Fi connected (with pot system)
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to moisture screen		Software can navigate to moisture screen on button press			
2	Display moisture percentage		Software can display plant's soil moisture percentage using data provided by arduino			
3	Display moisture condition		Software can display plant's soil moisture condition (good or bad) using percentage data			
4	Navigate back to main screen		Software can navigate back to main screen on button press			

Post-conditions:

Project Name: plant.io

Test Case

Test Case ID: test_004   **Test Designed by:** Group 9

Test Priority (Low/Medium/High): high   **Test Designed date:** November 13th 2017

Module Name: Plant.io light intensity screen   **Test Executed by:** _____

Test Title: light intensity screen test   **Test Execution date:** _____
Description: verify activities in the light intensity screen of the application

Pre-conditions: software installed in user's device, Wi-Fi connected (with pot system)
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to light intensity screen		Software can navigate to light intensity screen on button press			
2	Display light intensity percentage		Software can display plant's surrounding light intensity percentage using data provided by arduino			
3	Display light intensity condition		Software can display plant's light intensity condition (good or bad) using percentage data			
4	Navigate back to main screen		Software can navigate back to main screen on button press			

Post-conditions:

Project Name: plant.io

Test Case

Test Case ID: test_005

Test Priority (Low/Medium/High): medium

Module Name: Plant.io info screen

Test Title: info screen test

Description: verify activities in the info screen of the application

Test Designed by: Group 9

Test Designed date: November 13th 2017

Test Executed by: _____

Test Execution date: _____

Pre-conditions: software installed in user's device
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to info screen		Software can navigate to info screen on button press			
2	Display plant general info and gardening tips		Software can display plant general info and gardening tips provided by system			
3	Display plant's real-life picture		Software can display plant's real-life picture			
4	Navigate back to main screen		Software can navigate back to main screen on button press			

Post-conditions:

Project Name: plant.io

Test Case

Test Case ID: test_006

Test Priority (Low/Medium/High): medium

Module Name: Plant.io help screen

Test Title: help screen test

Description: verify activities in the help screen of the application

Test Designed by: Group 9

Test Designed date: November 13th 2017

Test Executed by: _____

Test Execution date: _____

Pre-conditions: software installed in user's device
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to help screen		Software can navigate to help screen on button press			
2	Display user manual/FAQs		Software can display user manual/FAQs provided by system			
3	Navigate back to main screen		Software can navigate back to main screen on button press			

Post-conditions:

Project Name: plant.io

Test Case

Test Case ID: test_007

Test Priority (Low/Medium/High): high

Module Name: Plant.io fertilizing schedule screen

Test Title: fertilizing schedule screen test
Description: verify activities in the fertilizing schedule screen of the application

Test Designed by: Group 9

Test Designed date: November 13th 2017

Test Executed by: _____

Test Execution date: _____

Pre-conditions: software installed in user's device
Dependencies:

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to schedule screen		Software can navigate to schedule screen on button press			
2	Display current month calendar		Software can display current calendar			
3	Input schedule		User can input fertilizing schedule in calendar			
4	Save schedule		Software can save schedule the user have input			

Post-conditions: