AUT UNIVERSITY

Redefining the Use of Augmented Reality

Functionality Testing Log

Sprint Two
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1.0 About Functionality Testing

Testing is performed at the completion of each sprint to ensure that the newly implemented user stories meet their acceptance criteria. The tests for all implemented user stories are tested to ensure that previously implemented user stories still meet their acceptance criteria to ensure that new functions do not have adversely effects.

The testing will be performed by two or more members for each function to ensure that the functionality is tested twice before being approved. Doing so ensures that any overlooked issues would likely be found by the other tester.

Three outcomes are possible for a test: Pass, Fail and N/A (when a user story is yet to be implemented). Any failed tests will be addressed in the following sprint.

The log tracks the outcomes of the functionally tests performed during Sprint Two.

2.0 Functionality Testing Log

US	Functionality Tested	Outcome
1	Permission is requested to access the device's location.	Pass — Permission to access the device's location is requested upon first launch.
2	The current location is displayed.	Pass — The current longitude and latitude is displayed on screen.
2	The displayed location updates as the device changes location.	Pass — The longitude and latitude is updated as the device location changes.
3	Permission is requested to access the device's internet connection.	N/A — This function has not been added.
3	A connection to the information server is established.	N/A — This function has not been added.
4	A remote database file is loaded and stored on the device.	N/A — This function has not been added.
5	Downloaded nodes are added to the local database.	N/A — This function has not been added.
6	The distance of nodes can be displayed in meters.	N/A — This function has not been added.
6	The distance calculation of each node is accurate (straight-line distance in meters).	N/A — This function has not been added.
7	The direction (heading) of nodes can be displayed in degrees.	N/A — This function has not been added.
7	The direction calculation of each node is accurate (straight-line heading in degrees).	N/A — This function has not been added.
8	A 'show nodes' button is displayed.	N/A — This function has not been added.
8	A list of nodes can be displayed following a tap of the 'show nodes' button.	N/A — This function has not been added.
9	A 'filter nodes' button is displayed.	N/A — This function has not been added.
9	A filter distance can be typed in following a tap of the 'filter nodes' button.	N/A — This function has not been added.
10	The list of nodes displayed is limited is restricted to nodes within the stated distance parameter.	N/A — This function has not been added.

US	Functionality Tested	Outcome
11	An ‘update’ button is displayed.	Pass — An ‘update’ button appears on the main screen.
11	A new values for the modifiable node’s location can be entered.	Pass — A text field allows for new location entry.
11	A new values for the modifiable node’s description can be entered.	Pass — A text field allows for new description entry.
11	The values of the modifiable node have updated following a tap of the ‘update’ button.	Pass — The new values are added to the modifiable node. The new values can be seen in the database file.
12	A ‘remove’ button is displayed.	Pass — A ‘remove’ button appears on the main screen.
12	The modifiable node is removed from the list of nodes following a tap of the ‘remove’ button.	Pass — The modifiable node is removed when the ‘remove’ button is tapped. The node is no longer in the database file.
13	An ‘insert’ button is displayed.	Pass — An ‘insert’ button appears on the main screen.
13	A new location value can be entered.	Pass — A text field allows for new location entry.
13	A new description value can be entered.	Pass — A text field allows for new description entry.
13	A new node is added to the list of nodes following a tap of the ‘insert’ button.	Pass — A new node is added to the database with the values given in the location and description text boxes. The new node is shown in the database file.
14	Permission is requested to access the device’s heading.	Pass — Permission to access the device’s heading is requested upon first launch.
15	The current heading is displayed.	Pass — The current heading is displayed in degrees.
15	The displayed heading updates as the device changes direction.	Pass — The heading displayed updates as the device is rotated.
16	A debug log can be opened.	Pass — Tapping a button in the top-right corner opens the debug log.
16	The debug log can be dismissed.	Pass — Tapping a button in the top-right corner closes the debug log.
16	The debug log shows output of any errors that have occurred.	Pass — A debug log opens on the left side of the screen with any error output.