


Redefining the Use of Augmented Reality

Functionality Testing Log

Sprint One

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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 One.

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. | N/A — This function has not been added. |
| 11 | A new values for the modifiable node's location can be entered. | N/A — This function has not been added. |
| 11 | A new values for the modifiable node's description can be entered. | N/A — This function has not been added. |
| 11 | The values of the modifiable node have updated following a tap of the 'update' button. | N/A — This function has not been added. |
| 12 | A 'remove' button is displayed. | N/A — This function has not been added. |
| 12 | The modifiable node is removed from the list of nodes following a tap of the 'remove' button. | N/A — This function has not been added. |
| 13 | An 'insert' button is displayed. | N/A — This function has not been added. |
| 13 | A new location value can be entered. | N/A — This function has not been added. |
| 13 | A new description value can be entered. | N/A — This function has not been added. |
| 13 | A new node is added to the list of nodes following a tap of the 'insert' button. | N/A — This function has not been added. |
| 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. | N/A — This function has not been added. |
| 16 | The debug log can be dismissed. | N/A — This function has not been added. |
| 16 | The debug log shows output of any errors that have occurred. | N/A — This function has not been added. |