Acceptance Test

Connecting to Wi-Fi

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press "Inställningar" on prompt	Phones own Wi-fi connection page opens	**Pass**

Refresh map

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press refresh button in map view	Map is refreshed	**Pass**

Favorite an item in the list

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press the star on desired list item	Star is filled in gold	**Pass**

Notes: Works on all categories

Open favorites menu

Step	Action Perfromed	Expected Result	Passed/Failed
1	Open side menu		
2	Press "Favoriter"	Favorites menu is opened	**Pass**

Open item from favorites menu

Step	Action Perfromed	Expected Result	Passed/Failed
1	Open side menu		
2	Press "Favoriter"		
3	Press an item in the favorites menu	Detailed view of the item is opened	**Pass**

Open an item in the list

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press desired item in the list	Detail view is opened	**Pass**

Notes: Works on all categories

Open side menu METHOD 1

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press the settings icon in the top left corner	Side menu opens	**Pass**

Open side menu METHOD 2

Step	Action Perfromed	Expected Result	Passed/Failed
1	Swipe from far left side of screen to the right	Side menu opens	**Pass**

Filter categories in the side menu

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press the desired category in the side menu	Icon is faded and category no longer shows up on the map or in the list	**Pass**

Notes: Works on all categories

Get back to map from side menu

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press "Tillbaka till kartan" in the side menu	Side menu closes and map is refreshed	**Pass**

Open About page

Step	Action Perfromed	Expected Result	Passed/Failed
1	Open side menu		
2	Press "Om BusExplorer"	About page is opened	**Pass**

Open directions to location

Step	Action Perfromed	Expected Result	Passed/Failed
1	Press any item in the list		

Step	Action Perfromed	Expected Result	Passed/Failed
2	Press the Google Maps icon	Directions to the selected location is opened in google maps	**Pass**

Easter Egg - Change bus icon and play music

Step	Action Perfromed	Expected Result	Passed/Failed
1	Open side menu		
2	Press and hold the BusExplorer icon	Toast confirming successful action appears and bus icon has changed color on the map. Music starts playing	**Pass**

Disable Easter Egg

Step	Action Perfromed	Expected Result	Passed/Failed
1	Open side menu		
2	Press and hold the BusExplorer icon	Toast confirming successful action appears and bus icon has changed back to original icon and music stops playing.	**Pass**

Testing (User and Source Code)

Most of the testing are documented in the test files in src/androidTest folder.

Database

The database (internal and external server database) was tested using an Android Device, and an Android emulator (by Genymotion) in Android Studio when running the test codes. Main functionalities that were used in the application (CRUD), were both user-tested and unit tested in separate test code (more in the source code).

API Requests

Ericsson API requests were tested in an almost similar way as the database.
Mostly what type of received response were checked and tested.
Note that the test is very dependent on if Ericsson still have their API up and running.

Map Utils

All of the public map utilities were tested on an Android Phone. The tested utilities include filtering the bottom list as well as sorting it by distance from a single point.

Preferences

The shared preferences were tested. This was done to make sure that preferences (such as favorites and category filters) were properly saved in the android phone.

Units

The only unit that we had and could test was the InfoNode class which represented a marker. Testing the unit was very simple, since the unit didn't have much logic.