

Requirement and Demands

Functional

1.1 Start Application

Scenario: When starting application

Precondition: Device is powered on

Basic path:

The user wants to start the application and presses the application icon in the menu of the Android device. The user starts the application by pressing the icon.

Exceptional path:

Is there really a way to fail? Maybe if the program is already running.

Status on completion: The MyBar view is shown and everything is fully loaded

1.2 Simplicity

Scenario: The application should be easy to use

Precondition: Has to follow Android standards

Basic Path: The programming style and documentation in general should make it simple to use the application.

Non-Functional

1.3 Sufficient performance

Scenario: Performance

Precondition: Device is powered on

Basic path:

There is enough performance power in the device so that it is capable of running both the device and the application during the same time without any noticeable performance problems.

Exceptional path:

The device cannot run the device and the application at the same time. This is noticed by the user if there is any lag when moving around in the program as well as abrupt crashes.

1.4 Catch exceptions

Scenario: Application should catch exceptions

Precondition: Application is running

Basic path: If the user puts in information or anything that makes the application throw an error it should be caught by our written java-code. There should not be a case where the exception isn't caught. This is to make sure that the application won't close unexpectedly.

1.5 Supported Android versions

Scenario: The android application should be able to start on Android version 4.0+

Precondition: The device has to be on version 4.0+

Basic path: N/A

1.6 Programming Style

Scenario: Follow the MVC model

Precondition: N/A

Basic Path: When programming the application the developers have to follow standards and follow the MVC model from the beginning

1.7 Documentation

Scenario: Sufficient documentation so that developers and users can understand the application

Precondition: Enough documentation

Basic Path: The developers has to keep up with the documentation and update it continuously to make sure that the documentation keeps in pace of the application. There should also be enough code comments so that developers can understand methods and java classes

1.8 Licensing

Scenario: The application should follow the BSD license

Precondition: Read through the licenses and decide which of them to use

Basic Path: All java files should have a header with the BSD license text

1.9 Expandability

Scenario: The android application should easily be able to be expanded.

Precondition: The application has to be programmed in a fashion that makes it easy to expand it.

Preferably by following the MVC model and recommended android best practices.

Basic Path: N/A

1.10 Follow standards

Scenario: The application has to follow android standards regarding the programming style

Precondition: The programmers should know the standards of android development.

Basic Path: N/A