Requirements

Android Based Situational Awareness: Moving Map

Tom Atnip, Susi Cisneros, Sam Kim, and Seth Troisi

October 15, 2012

Contents

Changes

Date	Description
September 13, 2012	Document started
September 13, 2012	Wrote Requirements
September 20, 2012	Created outline
September 24, 2012	Updated Requirements as per Gate 5 visit with Raytheon
October 4, 2012	Separate document created
October 15, 2012	Added Introduction

1   Introduction

This document will list the formal requirements we have gathered for the project.

2   Requirements

2.1   Functional

ID	Requirement	Priority
FR0	The system shall let the user pan the map by a dragging gesture	Objective
FR1	The system shall let the user zoom using an on-screen button	Threshold
FR2	The system shall let the user zoom using pinch gestures	Objective
FR3	The system shall let the user zoom using double tap	Objective
FR4	The system shall display map tiles that are either stored on the device or provided by a local server	Threshold
FR5	The system shall display other relevant information stored in a layer	Objective
FR6	The system shall georeference the location of the device	Threshold
FR7	The system shall let the user center on current location by pressing a button	Objective
FR8	The system shall let the user choose the map type by selecting from a list	Objective
FR9	The system shall let the user choose the layers shown by selecting from a list	Objective
FR10	The system shall let the user change default settings via a settings menu found in the menu bar	Threshold
FR11	The system shall display a compass	Threshold
FR12	The system shall let the user toggle heading/north up by clicking the compass	Threshold
FR13	The system shall let the user access a help menu via the menu bar	Objective
FR14	The system shall let the user add custom points of interest	Objective

2.2   Non-functional

ID	Requirement
NR0	The system shall run on Android platforms running at least version 3.0 (Honeycomb)
NR1	The system shall receive GPS data from a local server or the device
NR2	The system shall display properly on either mobile phones or tablets
NR3	The system shall use modular code