
Tracking Eyes & Kölsch Partnership

WeCare Community Tool Test Plan

Version 1.0

WeCare Community Tool	Version: 1.0
Test Plan	Date: 11/11/2014

Revision History

Date	Version	Description	Author
11/11/2014	1.0	Initial Release	Tracking Eyes & Kölsch Partnership

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Test Plan

1. Introduction

This document tries to give a high level understanding of tests –which will be performed during the development of software– to reader.

2. Evaluation Mission and Test Motivation

The mission of evaluation is to guarantee that the pieces of WeCare Community Tool are working correctly. These small pieces are developed one-by-one and before adding to the main build, we need to be sure that they working 100% correctly. Testing provides that.

3. Target Test Items

There will be a testing of:

- Classes (with their functions)
- System integrity (with connectivity of two parts: the mobile application and the server application)

4. Outline of Planned Tests

Unit testing will be made.

5. Test Approach

1.1 Testing Techniques and Types

5.1.1 Unit testing of classes

Technique Objective:	Find out if all classes are working correctly
Technique:	Writing JUnit test with required input and output, then running it while developing
Required Tools:	JUnit, Eclipse and Development PCs are mandatory. Depending on the class, Android Mobile Phone and Server might be needed.
Success Criteria:	Classes and their functions must pass JUnit tests with 100% score.

1.1.1 System integrity testing

Technique Objective:	Find out if all parts are able communicate with each other
Technique:	Writing a JUnit test that will try to transfer a constant data between parts and check if it's the same, then running it
Required Tools:	JUnit, Development PCs, Server, Android Mobile Phone, Eclipse
Success Criteria:	The sent data must reach the target part with 0% corruption.

6. Environmental Needs

6.1 Base System Hardware

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System Resources		
Resource	Quantity	Name and Type
Server	1	TBD (probably Amazon EC2)
Android Mobile Phone	TBD	TBD
Development PCs	TBD	TBD

6.2 Base Software Elements in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

Software Element Name	Version	Type and Other Notes
Android (on mobile phones)	TBD	Operating System
Windows and Linux (on Development PCs)	TBD	Operating System
Linux (on Server)	TBD	Operating System
Java Virtual Machine	TBD	Virtual Machine
Eclipse	Luna	IDE
JUnit	TBD	Testing software