

Group Project 14

Test Specification

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Config. Ref.: GP14-TEST-SPEC
Date: 2014-02-14
Version: 1.3
Status: Release

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1 INTRODUCTION

1.1 Purpose of this Document

The purpose of this document is to provide robust and repeatable system tests. They will be run in each version of the program to ensure that adequate functionality remains as the software is updated. Provide a outline to group leaders so they can estimate resources and effort required for each test run.

1.2 Scope

This document covers the testing plan for the system. The tests cover all relevant functional requirements. QA Managers and Group leaders should be up to date with this specification as they will be required to sign off on all version changes to the system.

1.3 Objectives

The objectives of this document are to :

1. Provide Robust and repeatable system tests.
2. Provide tests for all verifiable functional requirements
3. Ensure all areas of the system work when integrated
4. Provide Leaders with estimates for resources and effort required for tests

2 TEST TABLE

Test Ref	Req be-ing tested	Test Content	Inputs	Output	Pass Criteria
SE-F-001	FR1	Pressing "Start Walk" Button on Main Screen.	Button Press Event	New Screen	Should Open a new application screen prompting the user for the walk details.
SE-F-002	FR2	Data Entry of Null Walk Name on Walk Detail Screen	""	Error Message	Walk Fails to Start with appropriate error message
SE-F-003	FR2	Data Entry of Long Walk Name on Walk Detail Screen	"this walk has a very long name wouldn't you agree? well it doesn't matter if you don't I know its true"	Error Message	Walk Fails to Start with appropriate error message
SE-F-004	FR2	Data entry of Normal Walk Name on Walk Detail Screen with other fields filled with valid input	"SampleWalkName"	New Screen	Walk can be started with this name
SE-F-005	FR2	Data Entry of 100 Character Description in Short Description Box with other fields filled with valid input	Enter letter "a" 100 times	New Screen	Walk can be started with this Description

Test Ref	Req be-ing tested	Test Content	Inputs	Output	Pass Criteria
SE-F-006	FR2	Data Entry of 101 Character Description in Short Description Box with other fields filled with valid input	Enter letter "a" 101 times	Error Message	Walk Fails to Start with appropriate error message
SE-F-007	FR2	Data Entry of 1000 Character Description in Long Description Box with other fields filled with valid input	Enter letter "a" 1000 times	New Screen	Walk can be started with this Description
SE-F-008	FR2	Data Entry of 1001 Character Description in Long Description Box with other fields filled with valid input	Enter letter "a" 1001 times	Error Message	Walk Fails to Start with appropriate error message
SE-F-009	FR2	Data entry of Multiple Words in Name box	Enter "Aberystwyth Is A University Town" in Name box	Error Message	Walk Fails to Start with appropriate error message
SE-F-010	FR3	Press Add Waypoint Button on the Walk Screen	Button Press Event	New Screen	Waypoint entry screen appears with the current timestamp

Test Ref	Req be-ing tested	Test Content	Inputs	Output	Pass Criteria
SE-F-011	FR4	Press "Add Picture" Button on Add Waypoint Details Screen	Button Press Event	System Pop-up	System camera options appear on the screen
SE-F-012	FR5	Press "Cancel Walk" Button on Walk Screen	Button Press Event	Confirm System Pop-up	Warning if the user really wants to cancel the walk
SE-F-013	FR5	Press "Confirm" Button on Cancel walk warning pop-up	Button Press Event	Main Screen	Walk Ends and returns to Main Screen
SE-F-014	FR6	Press "Upload Walk" button on Main Screen with no points of interest	Button Press Event	Pop up warning	Warning telling the user they need a point of interest to upload
SE-F-015	FR6	Press "Upload Walk" button on Main Screen without internet connection	Button Press Event	Pop up warning	Warning telling the user they can not upload at this time and return to walk screen
SE-F-016	FR6	Press "Upload Walk" button on Main Screen with internet connection	Saved Example walk	Database Entry	Database entry and uploaded walk match in all details

Test Ref	Req be-ing tested	Test Content	Inputs	Output	Pass Criteria
SE-F-017	FR7	Rotate the phone	Physical interaction with phone	Different Screen orientation	Different Screen orientation with the same data before screen rotation on every screen
SE-W-001	X	Accepts Uploaded walks	Example Walk Uploaded	Database Entry	Database Entry with the correct Details and returns appropriate message
SE-W-002	FR8	Can search through saved walks	"aberystwyth"	Populated Dropdown List	Displays a dropdown list of walks containing the word "Aberystwyth" in their title
SE-W-003	FR8	A Walk can be selected	Mouse Click	N/A	When a walk is selected its general walk details display next to the map and its waypoints are displayed on the map
SE-W-004	FR8	Waypoint Detail are correctly displayed	Mouse Click	N/A	When Selecting a waypoint Timestamp, Co-ords, Details and pictures are displayed correctly

DOCUMENT HISTORY

Version	CCF No.	Date	Changes made to Document	Changed by
1.0	N/A	2013-11-13	Initial creation	DAW46
1.1	N/A	2013-11-15	Updated Test Inputs	DAW46
1.2	N/A	2013-11-15	Changed status to release and bolded header of table	LHL
1.3	N/A	2014-02-14	Added more tests and removed deprecated ones, and spell check	LHL