Group Project 14
Test Specification

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CONTENTS

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 intergrated

4. Provide Leaders with estimates for resources and effort required for tests

2 TEST TABLE

Test Ref	Req being tested	Test Content	Inputs	Output	Pass Criteria
SE-F-001	FR1	Pressing "Start Walk" Button on Main Screen.	N/A	New Screen	Should Open a new application screen prompting the user for the walk details.

Test Ref	Req being tested	Test Content	Inputs	Output	Pass Criteria
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 wouldnt you agree? well it doesnt matter if you dont 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	”Sample Walk Name”	New Screen	Walk can be started with this name
SE-F-005	FR2	Data Entry of 100 Character Description in Short Description Box	Enter letter ”a” 100 times	New Screen	Walk can be started with this Description
SE-F-006	FR2	Data Entry of 101 Character Description in Short Description Box	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	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	Enter letter ”a” 1001 times	Error Message	Walk Fails to Start with appropriate error message

Test Ref	Req being tested	Test Content	Inputs	Output	Pass Criteria
SE-F-009	FR2	Data entry of Single Word in Keyword box	Enter "Aberystwyth" in keyword box	New Screen	Walk can be started successfully with this keyword
SE-F-010	FR2	Data entry of Multiple Words in Keyword box	Enter "Aberystwyth Is A University Town" in keyword box	Error Message	Walk Fails to Start with appropriate error message
SE-F-011	FR3	Press Add Waypoint Button on the Walk Screen	N/A	N/A	Waypoint entry screen appears with the current GPS Co-ords displayed
SE-F-012	FR4	Press "Add Picture" Button on Add Waypoint Details Screen	N/A	System Pop-up	System camera options appear on the screen
SE-F-013	FR5	Press "Cancel Walk" Button on Walk Screen	N/A	Main Screen	Walk Ends and returns to Main Screen
SE-F-014	FR6	Press "Upload Walk" button on Main Screen	Saved Example walk	Database Entry	Database entry and uploaded walk match in all details
SE-F-014	FR7	Rotate the phone	N/A	Different Screen orientation	Different Screen orientation with the same data before screen rotation

Test Ref	Req being tested	Test Content	Inputs	Output	Pass Criteria
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	N/A	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	N/A	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