

POSSIBLE TEST CRITERIA

Test Ref.	Req being tested	Test Content	Input	Output	Pass criteria
	FR1	Check that Android application loads without complication and the start screen is displayed correctly.	Using an Android based device (e.g. mobile phone or tablet) run the application.	The application should load successfully and the start screen should be displayed as designed.	The application loads correctly and the start screen is displayed to the user.
	FR1	Check that the GPS recording begins recording at the right time.	The GPS recording begins after the user has entered the walks information (FR2 Test).	The users GPS should be tracked and the route should be displayed on screen to the user.	GPS recording starts after the user has entered the walks details, the GPS location is displayed and correctly updated to the screen and user.
	FR1	Check that the user is shown a summary of the walk before confirming the upload to the destination sever.	When the submit button is pressed all the current information associated with the walk should be retrieved and displayed neatly to user (including points of interest), before the upload is initiated.	The walks information will be retrieved and displayed in a neat, readable manner to the user. The information displayed should match the information added to the walk during the recording session.	The information displayed is correctly in a neat readable manner and containing the correct data.
	FR2	Check that The user can specify the name, short description and the long description for the walk.	Enter "group02" for the walks name, "short description " for the short description and "This is a long description for the walk"	The walk should have the following attributes: Name; - walk name Short description; - short description Long description; - This is a long description for the walk"	The walks attributes are correctly set.
	FR3	Check that the ability to add points of interest to the walk functions correctly and uses the correct GPS coordinates.	The point of interest button will be pressed during the recording phase of the walk, then the users	The point of interest should be displayed on the map in the correct position (users position at the time of creating the point of interest) it should also contain the	The point of interest is added to the walk with the correction information, it is also displayed in the correct map

			current GPS coordinates will be retrieved and assigned to this point of interest. The user will also be prompted to name this point of interest, relating to its name; a description and its time stamp (see FR4 tests for adding a photograph).	correct information based on the users input. The time stamp should also be correct in relation to the duration of the current walk.	location.
	FR4	Check that the ability to add photographs from the camera functions correctly.	The user can create a point of interest with an attached photograph; this photograph can be taken with the devices camera then added to the point of interest.	The camera application will open and the taken photo will be added to the point of interest. This photo will be displayed when viewing a point of interest.	The camera application opens successfully and the taken photograph is returned to the walking tours application and assigned to the correct point of interest.
	FR4	Check that the ability to add photographs from the device's image library functions correctly.	The user can create a point of interest with an attached photograph; this photograph can be selected from the stored images on the device, and then added to the point of interest.	The device's media library will open and the taken photo will be added to the point of interest. This image will be displayed when viewing a point of interest.	The device's media library application opens successfully and the selected image is returned to the walking tours application and assigned to the correct point of interest.
	FR5	Check that a user to abandon the uploading of the current walk.	Before uploading the walk's review is displayed to the user. The user can then decide if they want to upload it to the sever or cancel the upload. This	The current walk should not be uploaded and the user should be promoted for confirmation that they want to cancel this upload and stop recording.	The upload should not take place so the current walk should not be stored in the database, or be parsed by the server.

			test will be carried out under the presumption that the user clicks the cancel upload button.		
	FR5	Check that the prompt informing the user that they can edit the walk instead of deleting it completely displays correctly and the response executes the correct action.	When the cancel upload button is pressed the option of editing the existing walk should be displayed to the user, this will then continue the walks recoding (as if upload wasn't pressed) or deleted the current walk. In this case the user will select to not edit a walk.	The walk will continue recording, maintaining the current route and points of interest.	The walk is displayed correctly on the map maintaining all its information.
	FR5	Check that the prompt informing the user that they can edit the walk instead of deleting it completely displays correctly and the response executes the correct action.	When the cancel upload button is pressed the option of editing the existing walk should be displayed to the user, this will then continue the walks recoding (as if upload wasn't pressed) or deleted the current walk. In this case the user will select to edit a walk.	The user will be told that the walk will now be deleted, the walk will then be deleted locally and should not be present in the database and not be parsed by the server.	The walk is correctly deleted from all aspects of the application.
	FR5	Check that deleting a route will also delete all the locations associated to the walk.	When deleting a route any saved points of interests will also be removed locally and also be removed from the	The user is told that deleting this walk will also remove all locations and information associated with the walk.	The user is correctly prompted about the applications actions and the correct deletion operations take place.

			database (if they exist there). The user will be informed of this action.		
	FR6	Check that a walks can be correctly uploaded to the sever. Check the target URL is correct and present.	The upload confirmation button will be pressed, sending the current walks information to the sever in the correct format.	The users recently upload walk will be correctly sent to the sever in the correct MIME format.	The walk is uploaded and correctly matches the format expected by the sever.
	FR7	Check that the application can correctly communicate with other installed applications on the device and still function correctly when reopened.	The application in focus will be switched to another installed application, then the walking tours application will be reopened. The switch should not affect the state of application all present information before the switch should still be present after.	The application can correctly drop in and out of focus whilst maintaining integrity and functionality. All information about a walk that was present before the user switched application will still be available when the user comes back to the walking tours application.	The switching between applications goes smoothly. There is a clean transition and no data/information is lost during this transition phase.
	FR8	Check that the web application can display a list of all walks and also specific walks information.	The web application can retrieve all walks currently saved in the database and display these as a neat list, each element in the list being a link to a walk. The user will then click the walk they want to view.	When a link is clicked, the correct walk will be displayed on a map in a new webpage. This map will display the walks information about the walking including its name, duration and its descriptions. The Map will also contain every point of interest and its correct GPS coordinated. These points of interest, when clicked will display all their information (name, description, time stamp and image).	The website correctly displays all saved walks. Each link displays the correct walks information on the map in the correct format. Points of interest also have the correct functionality and display their information correctly.

	FR9	Check that the server can understand the POST message and parse the information to the database.	The information about the current walk is sent to the server under the circumstances of FR test 7. The sever will understand the POST request and correctly store the data in the specified SQL database ready for retrieval. All information about the walk should be present in the database. A message should be displayed to the using stating if the upload was successful. This walk should then be viewable in the web application (see FR test 8)	The server is contacted by the application and the POST message is sent in the correct format (FR7). The walks information is then stored correctly in the database and is viewable in the database's tables. A upload confirmation message will be displayed to the user if this is case. If the upload isn't successful an error message will be displayed (e.g. upload failed, check internet connection). If the upload is successfully a walk and all its information should be viewable in the web application.	The user is correctly informed about the uploaded completion. If successful then the walks data will be viewable as expected in the web application and database.