|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Ref | Req being tested | Test Content | Input | Output | Pass Criteria | Person |
| SE-F-001 | FR1 | Opens a prompt giving the user the choice of starting a new walk or exiting the application. | User opens the app. | Upon opening the app a prompt appears giving the user the choice of starting a new walk or exiting the application. | The prompt appears. | Didi |
| SE-F-002 | FR1 | The prompt appears displaying a question and *Yes* or *No* options. Upon clicking the “*Yes”* button it allows the user to create a new walk. | User clicks “*Yes”* button on the prompt. | The “create a new walk” function is initialized. | The “create a new walk” UI appears and the user can then insert the name of the walk, short and long description and then can start a new walk. | Didi |
| SE-F-003 | FR1 | The prompt appears displaying a question and *Yes* or *No* options. Upon clicking the “*No”* button it allows the user to exit the application. | User clicks “*No”* button on the prompt. | The user exits the application. | The user can exit the application. | Didi |
| SE-F-004 | FR1 | GPS recording starts. | User clicks on “*Start walk”* button after the name of the walk, short and long description have been added. | The GPS recording starts after *“Start walk”* button has been pressed. | The GPS recording starts. | Didi |
| SE-F-005 | FR1 | Displays options for cancelling the recording, saving the tour to the server, adding locations (including text and photos) after the recording has been started. | User clicks on “*Start walk”* button after the name of the walk, short and long description have been added. | The options are displayed after the user presses the *“Start walk”* button and the walk is being recorded. | The options are displayed correctly to the user after the recording starts. | Didi |
| SE-F-006 | FR2 | Test title entered contains only alphanumeric characters | User enters title into field. | I assume we leave this part blank? | Test makes sure the title contains no spaces or other symbols, returns true. | Rob |
| SE-F-007 | FR2 | Test character limit on descriptions to make sure it is below 100 characters | Input of random and specific character amounts to test limiter. |  | The limiter catches character strings over 100 and passes strings under 100. | Rob |
| SE-F-008  The longitude and latitude are fetched when the “Add POI” Button is pressed and then a validation method is run and if that returns true data the POI is added to the walk. | FR3  & FR4 | Incorrect description with illegal characters POI should not be added to the walk and user is prompted about illegal characters when “Add POI” Button pressed | N52.42< longitude  W-4.6< latitude  0.11hrs < time  “Aber Town Comp Room” < name  Null < Image “\ /:\*?<>|24 hour Aber computer room in town”< description  “Add POI” Button pressed | The description is set to null and description area is highlighted in red and an error message is displayed to warn against illegal characters in the description. | The expected POI object is not in the walk | Katie |
| SE-F-009 | FR3 & FR4 | Test to see that with a set of correct data the POI is added to the walk when the “Add POI” Button pressed | N52.42< longitude  W-4.6< latitude  0.11hrs < time  “Aber Town Comp Room” < name  089.jpg <Image  “24 hour Aber computer room in town” < description  “Add POI” Button pressed | A POI object with the information in the input is added to the walk | The expected POI object is in the walk | Katie |
| SE-F-010 | FR3 & FR4 | Out of range/Invalid longitude and latitude double. POI should not be added to the walk and user is prompted about the problem with the GPS and the longitude and latitude fields are left blank. when “Add POI” Button pressed | 181< longitude  -181< latitude  0.11hrs < time  “Aber Town Comp Room” < name  089.jpg < Image “The Pier, inside is a restaurant a arcade, a pub that serves free curry and lots of pool and snooker tables and a second pub”< description  “Add POI” Button pressed | The longitude and latitude are null and the longitude and latitude box are highlighted in red and an error message is displayed. Saying that there is a GPS problem.  The majority of these pass criteria can be verified by assert True JUnit tests on the pass criteria conditions | The expected POI object is not in the walk | Katie |
| SE-F-011 | FR3 & FR4 | Null longitude and latitude. POI should not be added to the walk and user is prompted about the incorrect field and the longitude and latitude fields are blank. | null< longitude  null< latitude  0.11hrs < time  “Aber Town Comp Room” < name  089.jpg< Image “24 hour spar sells curly fries and wedges and various meats highly useful even open on Sundays till 12 and reopens at 2am ”< description  “Add POI” Button pressed | The longitude and latitude are null and the longitude and latitude box are highlighted in red and an error message is displayed. Saying that there is a GPS problem. | The expected POI object is not in the walk | Katie |
| SE-F-012 | FR3 & FR4 | Empty description & empty Image POI should not be added to the walk and the user should be prompted to upload a photo or add a description | N52.42< longitude  W-4.6< latitude  0.11hrs < time  “Aber Town Comp Room” < name  089.jpg < Image Null< description  “Add POI” Button pressed | The description and photo textbox is set to Empty and description area is highlighted in red and an error message is displayed. | The expected POI object is not in the walk | Katie |
| SE-F-013 | FR3 & FR4 | Edit previous POI with previously blank description | “Promenade on a fairly pleasant day”< description | Description added | The expected POI object is on the walk and it contains the new description in it | Katie |
| SE-F-014 | FR3 & FR4 | POI invalid name (Character limit) | 101 character name | Error Message to user please shorten the name of this point of interest | The expected POI object is not in the walk | Katie |
| SE-F-015 | FR3 & FR4 | POI invalid name (No numbers) | 4763984 walk | Error Message Invalid name “No numbers” | The expected POI object is not in the walk | Katie |
| SE-F-016 | FR3 & FR4 | Character limit on POI description | 1001 character description | Error Message to user please shorten the description of this point of interest | The expected POI object is not in the walk | Katie |
| SE-F-017 | FR3 & FR4 | Negative longitude | -52.00 | S 52.00 | Variable returned is a float and it contains character ‘S’ at index 0 | Katie |
| SE-F-018 | FR3 & FR4 | Negative latitude | -4.28 | W 4.28 | Variable returned is a float and it contains character ‘W’ at index 0 | Katie |
| SE-F-019 | FR3 & FR4 | Positive longitude | 52.00 | N 52.00 | Variable returned is a float and it contains character ‘N’ at index 0 | Katie |
| SE-F-020 | FR3 & FR4 | Positive latitude | 4.28 | E 4.28 | Variable returned is a float and it contains character ‘E’ at index 0 | Katie |
| SE-F-021 | FR4  Invalid images would be bitmap images and gif’s. Valid jpg (needs to be jpg in the database) and png | Invalid file extension on the Image | Image22.bmp < image selects photo | Error message saying invalid photo. | Image set to null and the “Browse” Button is highlighted red | Katie |
| SE-F-022 | FR4 | Browses and selects a single valid photo from library | “Browse Button” pressed 089.jpg <image | Opens the library adds photo to Point of interest | POI contains 089.jpg | Katie |
| SE-F-023 | FR4 | Browses and Adds multiple valid photos from library | “Browse Button” pressed x 3 089.jpg <image1  090.jpg <image2  091.jpg <image3 | Opens the library. adds photo to Point of interest | POI contains 089.jpg,090.jpg and 091.jpg | Katie |
| SE-F-024 | FR4 | Browses and selects a single invalid photo from library | “Browse Button” pressed 089.bmp < image | Error message saying invalid photo. | POI does not contain 089.bmp | Katie |
| SE-F-025 | FR4 | Adds multiple valid photos from library and one invalid photo | “Browse Button” pressed x 3 089.jpg <image1  090.jpg <image2  091.bmp <image3 | Opens the library doesn’t add the invalid photo to Point of interest adds the rest warns the user that image 091.bmp is invalid format | POI does not contain 091.bmp but contains 089.jpg &  090.jpg | Katie |
| SE-F-026 | FR4 | Take photo and add it to point of location | “Take photo” Button pressed  Browse button pressed 092.jpg | Opens the phones default camera | Poi contains 092.jpg the new image taken with the phone | Katie |
| SE-F- | FR5 |  |  |  |  | Mariusz |
| SE-F- | FR6 | Test to ensure the server can receive and save the data of a valid walk sent from the walking tour creator | Upload a walk from the walking tour creator | The walk is saved to the database used by the displayer | The walk can be seen in the database | Matt |
| SE-F- | FR7 | Test to see if the user decides to switch android application from using the WTC, the system should  store any current data about the walk and reload it when the user returns to the app. | Navigate/switch to another android application | When the WTC is reopened the walk will continue from users’ current location. | The WTC will continue to record GPS co-ordinates and on re-opening will proceed from the user’s current location. | Jack |
| SE-F- | FR8 | Test to see if the Walking Tour Displayer (WTD) retrieves and displays walks from the database unto the home screen of the webpage | Navigate to the homepage of the Walking Tour Displayer (WTD) | The Walking Tour Displayer’s homepage should display a list of walks that’s been retrieved from the database. | Walking Tour Displayer (WTD) displays the list of walks on its homepage | Olu |
| SE-F- | FR8 | Test to see if a user sees each of the places included in a walk at the correct coordinates on a map once a walk is selected on the Walking Tour Displayer (WTD)’s homepage | Click on one of the walks displayed on the Walking Tour Displayer (WTD) | Walking Tour Displayer (WTD) should come up with a page that shows the places that has been included in the selected walk at the correct coordinates on a map. | Walking Tour Displayer (WTD) displays a page that show the locations visited during the course of the selected walk on their correct coordinate on a map. | Olu |
| SE-F- | FR8 | Test to see if a user is able to see the correct details which includes textural description and image (where applicable) for a certain location within a selected walk on the Walking Tour Displayer (WTD). | Click on a particular location within a selected walk on the Walking Tour Displayer (WTD) | The Walking Tour Displayer (WTD) should display the correct details of the selected location. Details displayed should include textural description and images (where applicable). | Walking Tour Displayer (WTD) displays the correct details for a place that has been selected within a walk. | Olu |
| SE-F- | FR9 |  |  |  |  | James |

*System testing will be done by writing a system Testing Specification during the design phase. This*

*will cover all major functionality. When the system has been completed, a Test Report will document*

any features of the implementation that work incorrectly.

JUNIT

*Module testing will be left to the coder - it should take the form of a set of JUnit tests that* ***try all of the***

***significant behaviour of the class****. They should be written before the coding is done.*

Public class ALLTEST{

@Test

Public void testSystemAcceptsCorrectDate(){

}

@Test

Public void testSystemAcceptsCorrectDate(){

Location myLocation = new Location()

myLocation.setLocation(“Aber”);

assertyEquals(“Aber”, myLocation.getLocation();

}

}