Test Report

The test's are outlined in the test spec documentation version 1.3 for both java and web. This is the java side of the testing and is an overall summary of how the testing went.

The tests were done on a samsung galaxy note 3 running android 4.4.2.

The tests are listed as J(ava) T(est) then no. and there requirement which is kept to the design specification FR no. .

The tests are in order as follows:  
JT1

FR1

Test: Does the Android app start without a crash?

Info: Does the application install correctly and start up when it is tapped by the user if the user cannot start the app the test fails.

Result: Test Successful. The Android app installs correctly and then starts up without a crash on start-up.

JT2

FR1

Test: Does the Android app start if exited and starts again without a crash

Info: Can you click the home button and exit out of the app and then restart the app again by tapping on the icon without it crashing.

Result: Test Successful. The app can be exited and re-entered without a crash.

JT3

FR1

Test: Does the app allow the user to record at another site

Info: The user sends one recording and then can create another at another site.

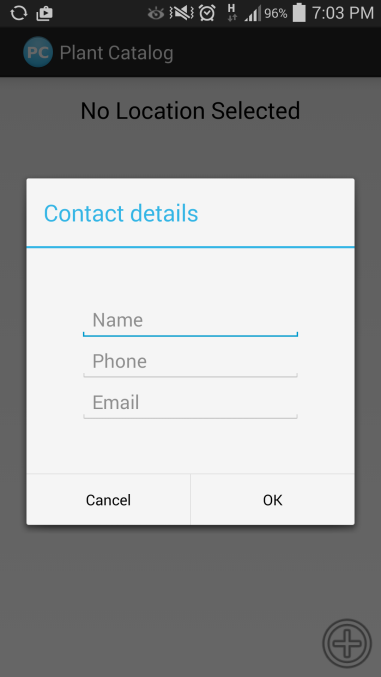
Result: Test Success. The user can enter another site into the data if they should choose.

JT4

FR1/2

Test: Does a prompt for contact information input come up

Info: A window pops up asking the user to give their contact details over to the app so it can store the data with the recording on the server. The screen shot shows what it looks like on our app.

Screen Shot: 

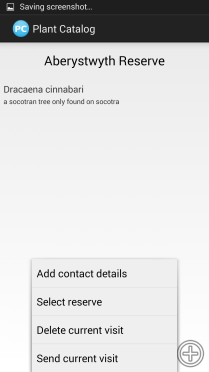
Result: Test Success. Yes, the prompt comes up for the contact information.

JT5

FR1/2

Test: Does the updated reserve give a message when reserve is updated

Info: Is the reserve updating the data the user has edited and making sure they have a connection to the internet is also important.

Screen Shot: 

Result: Test failure. Reserve update function not visible to user.

JT6

FR1/2

Test: Check the reserves are not being downloaded when updates are not available

Info: No new reserves are added but rsprec should run anyway

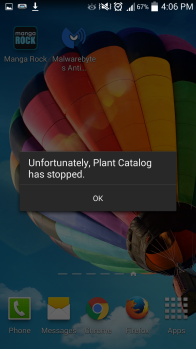
Result: Test Failure: Updates cannot be performed as there is no reserve update feature visible

JT7

FR1/2

Test: Does the rsprec try to download when there is not connection

Info: The rsprec may try to download the reserve even when there is no internet connection

Screen Shot: 

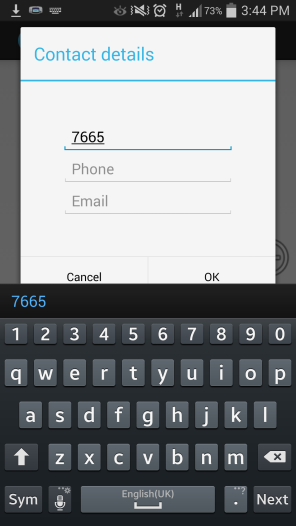
Result: Test Success. The rsprec does not download the reserve because the app crashes if there is no connection.

JT8

FR2

Test: Make sure you can't enter numbers in the name field of the user details

Info: The field should only allow text characters a-z and A-Z in its field

Screen Shot: 

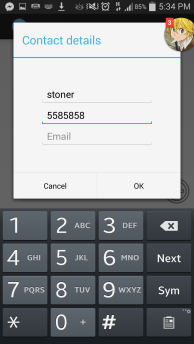
Result: Test Failure. You can enter numbers into the name field.

JT9

FR2

Test: Numbers and no characters in the phone no. field

Info: Only numerical digits should be implemented into the phone no. field.

Screen Shot: 

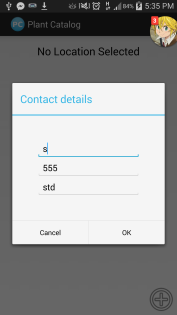
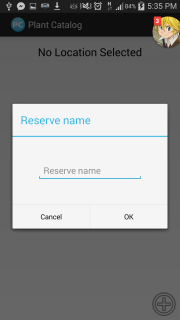
Result: Test Success. You can only enter numbers into the phone field.

JT10

FR2

Test: Check someone cannot write bad formatting in the email field

Info: The user should only be able to put in an email address corrosponding to a .com/.co.uk type of ending

Screen Shot:  

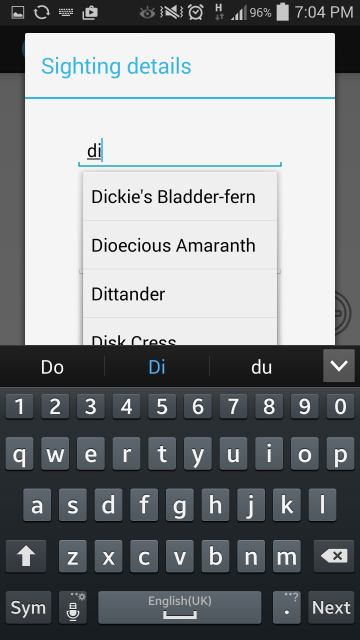
Result: Test Failure. You can enter anything you want into this field and it will submit.

JT11

FR3

Test: Choose a pre-existing species from list

Info: There should be a drop down menu for pre-existing species.

Screen Shot: 

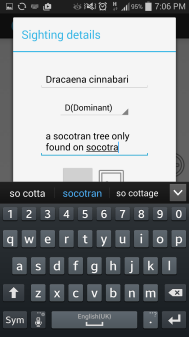
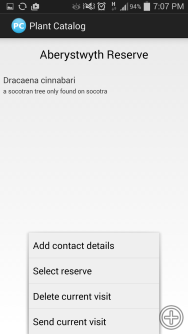
Result: Test Success. You can choose a pre-existing species from the list.

JT12

FR3

Test: Can the user add brand new species to the list

Info: The user should also be able to add new species to the species record and send them.

Screen Shot:  

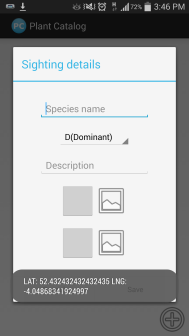
Result: Test Success. The user can add a brand new species to the list.

JT13

FR4

Test: Are the gps co-ordinates obtained from the android os

Info: The gps co-ordinates should be displayed if the location services are on.

Screen Shot: 

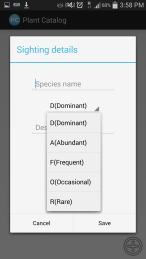
Result: Test Success. The android os can display co-ordinates.

JT14

FR4

Test: Can you select the abundance level of the plant species

Info: There should be a drop down which has abundances for the plants.

Screen Shot: 

Result: Test Success. You can select the abundance level of plants and update them accordingly.

JT15

FR4

Test: Can the user comment using text

Info: The user can write a text comment about the plant species.

Screen Shot: 

Result: Test Successful. The text box can be used by the user to comment about the species.

JT16

FR4

Test: can user add a photo of the species from the gallery

Info: The user is meant to be able to select a photo from the gallery and add it to the species recording.

Screen Shot: 

Result: Test Failure. There is no option to select from gallery.

JT17

FR4

Test: can the user shoot a new photo of the species

Info: The user is meant to have the option to shoot a new photo, display it and send it.

Screen Shot: 

Result: Test Failure. The indicated images do not display and are not sent.

JT18

FR4

Test: can user add a photo of the species from the gallery

Info: The user is meant to be able to select a photo from the gallery and add it to the species recording.

Screen Shot: 

Result: Test Failure. There is no option to pick from gallery.

JT19

FR4

Test: can the user shoot a new photo of the species

Info: The user is meant to have the option to shoot a new photo, display it and send it.

Screen Shot: 

Result: Test Failure. The image is not sent or displayed.

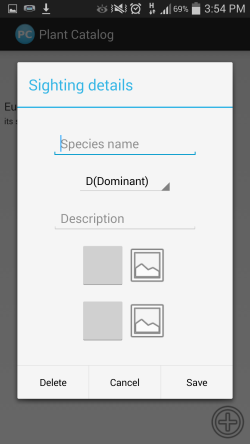
JT20

FR5

Test: Can the user delete a species if unsent

Info: The user may just want to delete species so the option is there.

This is achieved via the edit function.

Screen Shot:  

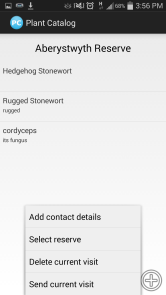
Result: Test Success. The User can delete species if unsent.

JT21

FR5

Test: Can the user delete a recording

Info: The user should be able to bring up a menu and delete their unsent recording, if they so desire.

Screen Shot:  

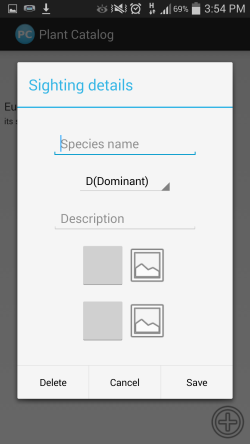
Result: Test Success. The user can delete a recording.

JT22

FR5

Test: Can the user update an un-submitted recording

Info: The record can be edited by the user if un-submitted. There is meant to be a button to edit.

Screen Shot: 

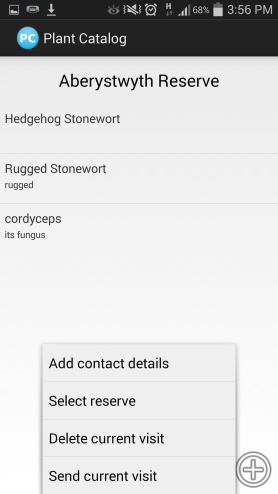
Result: Test Partial-Success. The user can edit a recording before it is sent. However there is no visible button and the user must know to hold down the recording.

JT23

FR6

Test: Is the recording sent via an internet connection

Info: A display saying data sent should be displayed after successful data sending.

Screen Shot:  

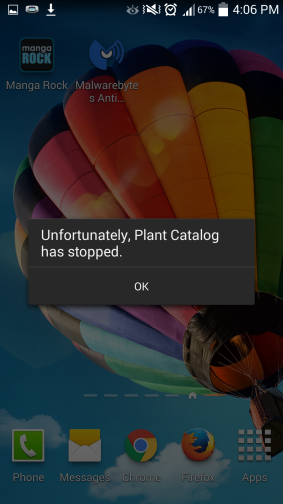
Result: Test Failure. The Recording is sent via an internet connection but no message pops up telling the user the data has been sent successfully.

JT24

FR6

Test: Check the recording is not sent without a network connection

Info: There should be a message displayed by the app say "sorry the data was not sent due to connection error"

Screen Shot: 

Result: Test failure. The app crashes so the recording is not sent because the app has crashed.