# CS221 Group Project Test Specification

Project Team

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### 1 Introduction

#### 1.1 Purpose of this Document

This document describes the test specification and procedure for the Reserve Plant Species Recording project (RPSR).

The document will give a guide on the main stages of testing.

Team members are to read this document and confirm that the test specification is understood, and sets out sufficient testing requirements.

#### 1.2 Scope

This test specification aims to provide information about what in the project needs to be tested for the RPSR.

#### 1.3 Objectives

The objectives of this document are:

- To provide all the developers a document that can be looked up to make sure they understand what is needed
- To make sure that the project is kept to the requirments stated in the breif
- To make sure we know what we will need to check when we finish the project

## 2 TestPlan

#### 2.1 Android User

Individual Module Testing will be left to the coder, and tests should be written before the coding is done.

Test Ref Req Being Tested Test Content Input Output Pass Criteria

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FR6 that it is able to send records to Athenhatta base used to the internet.  Application should know whether it is connected to the internet. States that the app is not connected to the internet. States that the app is not connected to the internet is stored to the internet in local storage.  FR6 that it is able to send records to Athenhatta bases Etppotytilist duata is stored records were stored in local storage.				ther it is connected to the intern	et, and	)
Application should know whether it is connected to the internet, and that it is able to send records to Athenhatabasesefipowlflike database.  FR6 that it is able to send records to Athenhatabasesefipowlflike database. It is connected to the internet is stored records were stored in local storage.	SE-F-012	FR6	that it is able to send records t	to Atmendata brase ustenajo primor idista	records	Successfully sends rec
Application should know whether it is connected to the internet, and  States that the app is not connected to the internet stored that it is able to send records to Athenhatabas Edipow, the internet is stored records were stored in local storage.			ni	locamneotage the internet.	fully sent to the database.	the database.
FR6 that it is able to send records to Athenhata bases Efipoty Hillest death is stored records were stored in local storage.  in local internet.			Application should know whe	ther it is connected to the intern	let, and that the ann is not conn	ported to the internet ar
in locandusteorade to the internet.	SE-F-013	FR6	that it is able to send records t	to Attrementations reseleting tylling tylling	is stored records were store	Stores the records of
			di	locansectage the internet.		storage.

Website User 2.2

mai ma	ide resung win be id	individual module resting will be left to the codel; and tests should be withten before the count is done.	
Test Ref	Red Being Tested	Test Content	Input
SE-F-014	FR2	Valid Username/Password allows user to login.	Login with valid Username/Passv
SE-F-015	FR2	Invalid Username/Password does not allow user to login.	Login with invalid Username/Pass
SE-F-016	FR3	User allowed to add a plant name to the database.	Enter valid plant name using the w
SE-F-017	FR3	User not allowed to add an invalid plant name to the database.	Enter invalid plant name using the
SE-F-018	FR4	User allowed to add Species Details.	Enter valid Species Details using the
SE-F-019	FR4	User not allowed to add invalid Species Details.	Enter invalid Species Details using the
SE-F-020	FR4	User allowed to add a picture of a plant to the database.	Enter a valid image file to the database usi
SE-F-021	FR4	User not allowed to add a non-image file when prompted for picture of a plant.	Attempt to enter a non-image f
SE-F-022	FR4	User allowed to record the level of abundance of the plant within the area.	Enter level of abundance of the plant usin
SE-F-023	FR5	User able to make changes to any record that they have added to the database.	Attempt to change Plant Name of a user in
SE-F-024	FR5	User able to make changes to any record that they have added to the database.	Attempt to change Species Details of a user
SE-F-025	FR5	User able to make changes to any record that they have added to the database.	Attempt to change plant picture of a user i
SE-F-026	FR5	User able to make changes to any record that they have added to the database.	Attempt to change abundance details of a use
SE-F-027	FR5	User able to remove any record that they have added to the database.	Attempt to remove a user-added record fror

2.3 Admin

Individual Module Testing will be left to the coder, and tests should be written before the coding is done.

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Test Ref	Red Being Tested	Test Content	Input
SE-F-028	FR7	Server allows a user to login to the application through the android app providing they use a valid username/password.	See SE-F-002
SE-F-029	FR7	Server allows a user to login to the application through the website providing they use a valid username/password.	See SE-F-014
SE-F-030	FR7	Server does not allow a user who attempts to login using the android app without a valid username/password.	See SE-F-003
SE-F-031	FR7	Server does not allow a user who attempts to login using the website without a valid username/password.	See SE-F-015
SE-F-032	FR9	When user wants to view, edit, or delete records they have entered, the server calls them from the database.	See SE-F-026, See SE-F-027
SE-F-034	FR9	Server must be able to send and receive data from the phone of records being entered	See SE-F-004 See SE-F-005 See SE-F-007 See SE-F-010
SE-F-036	${ m FR5}$	The website admin should be able to remove any record entered into the database by any user	Admin attempts to remove a record entered by
SE-F-037	${ m FR8}$	The database administrator will be able to log into the database and manage/maintain it, if they provide correct login details.	Attempt to login with valid details.
SE-F-038	FR8	The database will not allow someone to login without providing valid login details.	Attempt to login with invalid details.

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## 3 Test Result Reporting

subsection Report Details of test results are to be maintained in the group github, under TestReports. Module tests are to be maintained in the Module Tests folder, and System tests in the System Tests folder.

## 4 Refrences

## 4.1 Refrence

- Document standards SE.QA.03
- $\bullet$  Test Procedure Standards done in accordance with SE.QA.06

## 5 Document History

Version	Edit	Date	Persons
0.1	Initial Version	January 1 1970	anon00