Software Engineering Group 11
SE_11_TS_04
Web Test Specification

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Introduction

1.1. Purpose of Document

The purpose of this document is to give a comprehensive guide to the tests we will carry out on our Website once we reach the testing phase.

1.2. Scope

This document aims to be a brief but detailed document listing our test specifications for the Website.

1.3. Objectives

This document covers:

- FR7 – Server Receives Recording
- FR8 – Addition and Maintenance of Reserves
- FR9 – Browsing Species Records
- EIR – External Interface Requirements
- PR – Performance Requirements

1.4. Documents Included

This Test Specification has been derived from the following documents

- SE.QA.RS – Requirement Specification[1]
- SE_11_PP – Project Plan[2]

2. Web Test Specification

2.1. FR7 – Server Receives Recording

Test ref	Req being tested	Test content	Input	Output	Pass criteria
SE-F-001	FR7	Server receives transmissions of recordings and stores them in the database.	A record is transmitted to the server and stored in the database.	Server receives the input and then stores it in the database correctly.	New recording is in the database.
SE-F-002	FR7	User X is authenticated	User name and password.	User name will display in the 'You' page. The server knows the user is in session.	Correct user name is displayed. Correct user data is displayed.
SE-F-003	FR7	User is authorised to access the website.	User name and password.	User is logged into the site.	User X has access to the web app.

2.2. FR8 – Addition and Maintenance of Reserves

SE-F-004	FR8	Create/Update Reserve Name with a valid name	Aber	Name is accepted and saved into the database	Aber is displayed with no errors or warnings
SE-F-005	FR8	Create/Update Reserve Name with numbers	1476	Name is rejected and not saved	An error appears alerting the user that numbers are not allowed

SE-F-006	FR8	Create/Update Reserve Name with 50 characters (Upper Boundary)	Aberystwyth reserve of nature and plants and trees	Name is accepted and saved into the database	Aberystwyth reserve of nature and plants and trees Is displayed with no errors or warnings
SE-F-007	FR8	Create/Update Reserve Name with 50 characters	Aberystwyth reserve of nature plants biology study	Name is rejected and not saved	An error appears alerting the user that they have gone over the character limit
SE-F-008	FR8	Create/Update Reserve Name with 4 characters (Lower Boundary)	Aber	Name is accepted and saved into the database	Aber is displayed with no errors or warnings
SE-F-009	FR8	Create/Update Reserve Name with 3 characters	abe	Name is rejected and not saved	An error appears alerting the user that they have not entered enough characters
SE-F-010	FR8	Delete Reserve	Press Delete	The Reserve Is deleted	The record of the reserve is no longer on the database
SE-F-011	FR8	Check if there are duplicate names or if name is saved	User inputs a name and make sure there are no duplicates.	The name is displayed and stored in the database	Name is displayed without any duplicates

SE-F-012	FR8	Create/Update Reserve Location that is valid	20.534, 50.435	Location is accepted and saved into the database	20.534, 50.435 is displayed with no errors or warnings
SE-F-013	FR8	Create/Update Reserve Location with characters	3kfm , 34jdd	Location is rejected and not saved	An error appears alerting the user that they can't use Alphabetical characters
SE-F-014	FR8	Create/Update Reserve Location with 20 Characters (Upper Boundary)	304.22581, 250.14858	Location is accepted and saved into the database	304.22581, 250.14858 Is displayed with no errors or warnings
SE-F-015	FR8	Create/Update Reserve Location with 21 characters	254.21687, 145.257894	Location is rejected and not saved	An error appears alerting the user that they have gone over the character limit
SE-F-016	FR8	Create/Update Reserve Location with 3 characters (Lower Boundary)	3,6	Location is accepted and saved into the database	3,6 Is displayed with no errors or warnings
SE-F-017	FR8	Create/Update Reserve Location with 2 characters	3,	Location is rejected and not saved	An error appears alerting the user that they have not entered enough characters
SE-F-018	FR8	Textual description	Description can be edited and updated	Description will appear for the species.	Data is appeared correctly

2.3. FR9 – Browsing Species Records

SE-F-019	FR9	Check if species found at a particular reserve can be displayed	Name of reserve e.g. Coed Rhiedol National Nature Reserve	Species that have been found at that reserve	All species that are found at the nature reserve are displayed
SE-F-020	FR9	Check if species found at a reserve that does not exist can be displayed	Name of a reserve that does not exist e.g. abc	An error message should be shown	No records should be shown
SE-F-021	FR9	Check if data can be displayed in alphabetical order of Latin name	A list of unsorted data	List of results ordered by their Latin name	Species are ordered A-Z
SE-F-022	FR9	Check if data can be displayed in reverse alphabetical order of Latin name	A list of unsorted data	List of results ordered by their Latin name	Species are ordered Z-A
SE-F-023	FR9	Check if a record with a particular date can be displayed	A record recorded on the current date	The record is displayed	The record from the date is displayed
SE-F-024	FR9	Check if the earliest recording can be displayed	A record recorded on 1st January 1990	The record is displayed	The earliest recording is displayed
SE-F-025	FR9	Check if a recording dated before the earliest entry date can be displayed	A record recorded before 1st January 1990	The record is not displayed	The recording taken before 1st January 1990 is not shown
SE-F-026	FR9	Check if the latest recording can be displayed	A record recorded on 31st December 2050	The record is displayed	The latest recording is displayed

SE-F-027	FR9	Check if a recording dated after the latest entry date can be displayed	A record recorded after 31st December 2050	The record is not displayed	The recording taken after 31st December 2050 is not shown
SE-F-028	FR9	Check if records can be ordered by date	A list of unsorted data	Full list of sorted results	List is ordered by date (newest to oldest)
SE-F-029	FR9	Check if records can be reverse-ordered by date	A list of unsorted data	Full list of sorted results	List is ordered by date (oldest to newest)

2.4. EIR – External Interface Requirements

SE-F-030	EIR1	Check if user is able to navigate the application with minimal training	A new user using the web application for the first time	Feedback from the user about their experience	Positive feedback from the user

2.5. PR – Performance Requirements

SE-F-032	PR1	Check if user input is responded to within a second by the application	Input from the user	Changes to data displayed	Changes are shown within a certain amount of time
SE-F-032	PR2	Check if software runs as expected on supported systems	Application used on web browsers used by the university	Application displays information requested by the user	Application and its components work correctly

3. REFERENCES

[1] – SE.QA.RS – Requirement Specification – N.W.Hardy

[2] – SE_11_PP – Project Plan – Group 11

4. DOCUMENT HISTORY

Version	CCF No.	Date	Changes made to document	Changed by
1.0	N/A	13/11/14	Document Created and Structured	Add20 & Tcg2