Software Engineering Group Project

Test Specification

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# Introduction

## Purpose of this Document

The purpose of this document is to provide the functional requirements for the Agile group project, along with the test cases used to test the application against. These tests can be referenced in the project backlog as acceptance criteria for the application to pass.

## Scope

This document will allow Team Calder to have a clear idea of the requirements for the project, also having clear testing criteria to pass in-order for the application to meet the definition of done.

## Objectives

This document aims to provide the tests for the functional requirements for all working versions of the application. It will also provide evidence that the application was tested with regards to the user requirements.

# Functional requirements

## Description

These functional requirements have been drawn from the project brief and the product owner’s requirements. These requirements are subject to change, as the product owner may add additional requirements as the project progresses. If this occurs, the functional requirements list bellow will reflect the change.

## Functional requirements

**FR1** **–** The software should provide links to useful resources, with regards to introspection and self-discovery.

**FR2** **–** The user should be able to record their conclusion to their strengths and weaknesses, with evidence supporting the conclusion.

**FR3** **–** The software allows the user to keep track of potential employers, sectors and positions they aim to secure.

**FR4** **–** The software will link the key requirements of a job to the user’s skillset.

**FR5** **–** The software allows the user to track applications made and their outcome.

**FR6** **–** The software can filter applications by location.

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# Test Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Reference** | **Test Content** | **Input** | **Expected Outcome** | **Actual Outcome** | **Pass Criteria** | **Pass / Fail** |
| **TFR1.1** | **A link is provided.** | **Open application, Navigate to Learn More Page.** | **One or more links are present.** |  | **A link is provided.** |  |
| **TFR1.2** | **The link re-directs the user to the page.** | **One of the links is “Clicked”.** | **The user is re-directed to a webpage.** |  | **The user is re-directed to the correct webpage.** |  |
| **TFR2.1** | **The user can record Notes in careers page** | **Open careers interests page** | **User can type and add notes to page.** |  | **The notes are added to the page.** |  |
| **TFR2.2** | **The users notes are saved** | **Open career interests page** | **Previous notes are saved on re-opening the application** |  | **Previous notes are viewable** |  |
| **TFR35.1** | **The user can add a job application, to Applications** | **On the Addjob page, fill in details and “Click” submit.** | **The details are filled in and submitted.** |  | **The details can be filled in and submitted.** |  |
| **TFR35.2** | **The Applications are saved.** | **On the Addjob page, fill in details and “Click” submit.** | **The details are filled in and submitted and saved to the database.** |  | **The database updates it’s records containing the latest application.** |  |
| **TFR35.3** | **The applications can be displayed.** | **Open application, navigate to the Applications page.** | **Applications are displayed here.** |  | **Applications are visible to the user.** |  |
| **TFR35.4** | **Saved applications can be displayed.** | **Open application, navigate to the Applications page.** | **Previously saved applications are displayed.** |  | **Only saved applications are displayed.** |  |
| **TFR35.5** | **Only valid data is stored in each field.** | **At the Addjob page enter “-100” in every field and “click submit”.** | **A pop-up will ask the user to re-enter the information.** |  | **The user must re-enter the in-valid information.** |  |
| **TFR35.6** | **Only valid data is stored in each field.** | **At the Addjob page enter “&” in every field and “click submit”.** | **A pop-up will ask the user to re-enter the information.** |  | **The user must re-enter the in-valid information.** |  |
| **TFR35.7** | **User can change the status of an application.** | **At the application page, select an application’s status, drop-down bar, change the status from “Haven’t applied” to “Applied”** | **The status of the application will be updated and shown.** |  | **The status reflects the user’s decision.** |  |
| **TFR.35.8** | **User can change the status of an application and save it to the database.** | **At the application page, select an application’s status, drop-down bar, change the status from “Haven’t applied” to “Applied”, then “Click” update.** | **The status of the application will be saved to the database and displayed.** |  | **The status is saved to the database.** |  |
| **TFR4.1** | **The user can select their skills.** | **Open application, navigate to profile page. Skills are selected using tick boxes.** | **Boxes can be checked.** |  | **Selected skills checkboxes are ticked.** |  |
| **TFR4.2** | **The user can un-select their skills** | **Open application, navigate to profile page. Skills are selected using tick boxes, and can be un-selected.** | **Boxes are checked and unchecked.** |  | **The user can Uncheck previously checked boxes.** |  |
| **TFR4.3** | **Users skills are saved.** | **Open application, navigate to profile page. Enter details and “Click” save button.** | **Profile is saved.** |  | **The data is saved.** |  |
| **TFR4.4** | **Users skills can be loaded.** | **Open application, navigate to profile page.** | **The previously selected skills are shown.** |  | **The previous skills and details are loaded to the user.** |  |
| **TFR4.5** | **Loaded profile can be changed.** | **Open application, navigate to profile page. Change a detail or skill, and “Click” save.** | **The previous details are shown, and can be manipulated.** |  | **The changed details are then saved appropriately.** |  |
| **TFR4.6** | **Only valid data is stored in each field of personal details.** | **At the profile page enter “-100” in every field and “click submit”.** | **A pop-up will ask the user to re-enter the information.** |  | **The user must re-enter the in-valid information.** |  |
| **TFR4.7** | **Only valid data is stored in each field.** | **At the profile page enter “&” in every field and “click submit”.** | **A pop-up will ask the user to re-enter the information.** |  | **The user must re-enter the in-valid information.** |  |
| **TFR6.1** | **Applications can be filtered by location.** | **Open application, navigate to Application page. Select location drop down, “select” Aberystwyth.** | **Applications located in Aberystwyth are displayed.** |  | **Only applications located in Aberystwyth are displayed, nothing else.** |  |

# REFERENCES

­­DOCUMENT HISTORY

| *Version* | *CCF No.* | *Date* | *Changes made to document* | *Changed by* |
| --- | --- | --- | --- | --- |
| 1.0 | N/A | 3/03/21 | Added Functional requirements and test plan version 1 to the document. Also, added the introduction with its respective fields. | Sab80 |