**Test Plan**

**Version History**

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| --- | --- | --- | --- |
| **Ver** | **Author** | **Date** | **Version Details** |
| 1.0 | Indumathi Sannasi | 10/06/20 | Test Plan for review |

**Distribution List**

|  |  |
| --- | --- |
| **Name** | **Role** |
| Indumathi Sannasi | Author of the Document |
| Rudra P Singh  Suryamanasa Gutti | Tech Team validating new applicants |

**Introduction**

Purpose of this document is to showcase my prowess in creating a test plan document as a technical task, in the recruitment process for the role of QA Test Automation Engineer at Cepheid AB. This document will encompass test cases, Test Approach and Test Report.

**Reference Test url**

<http://cafetownsend-angular-rails.herokuapp.com/login>

**Test Deliverables**

1. Test Plan Document
2. Cucumber-Java-Selenium Automation Script (shared via git repo- <https://github.com/InduSannasi/CepheidTechnicalTask> )
3. Test run Manual (.txt file)
4. Test Description Document

**Test Scope / Requirements**

**Note: Since a detailed list of requirements were not provided, only high level requirements are listed below.**

Application requirements:

1. The application allows user to login with a username and a password (Luke / Skywalker)
2. The application displays a list of employees in a café. Details about each employee can be viewed by double clicking on the employee name
3. Employees can be added to the list of employees by adding their first and last names, start date (format YYYY-MM-DD) and email
4. Employee data can be changed by clicking on Edit
5. Employee data can be deleted by clicking on Delete
6. Users can log out from the application

**Test Expectation**

1. Write Automation test cases for valid functional scenarios
2. Test Plan, Testcases and Test report in a good readable format.

**Test Strategy**

The Test strategy will follow the below steps:

1. **Test Approach**

***Functional Testing with a Behaviour Driven Development Approach***

Reason: Since the main goal of the test task expects me to be tested in Selenium Cucumber Java, BDD Approach has been chosen.

1. **Test Scope**

Refer the Test Scope / Requirements section

1. **Testing levels**

The testing process is expected to cover valid and major Regression scenarios, with automation scripting. The test cases automated are selected based on priority and tie constraints.

1. **Roles and Responsibilities**

|  |  |  |
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1. **Automation Approach**

Unit test cases for Functional Regression Automation tests have been built.

After detailed study of the requirement, the Automation Scripts have been written using **Selenium – Java** open source tools in Cucumber Framework.

Given the shorter timeframe, test cases with high priority have been identified and automated. Identified test cases directly correspond to the requirements provided.

1. **Test Schedule**

09-Jun-2020 to 11-Jun-2020

**Exit Criteria**

Maximum possible expectations covered. All items must be delivered.

**Test Coverage**

**High Level automated Test case list:**

|  |  |  |
| --- | --- | --- |
| **Test Case** | **Requirement** | **Result** |
| Verify login with valid credentials | 1 | PASS |
| Verify login with Invalid credentials | 1 | PASS |
| Verify logout from account | 6 | PASS |
| Create a new employee profile with valid details | 3 | PASS |
| Update employee profile and validate change | 4 | PASS |
| Delete employee profile and validate change | 5 | PASS |

**Test Risk**

001 - Minimal time availability

002 - Clear picture of the requirements are not known. Hence UAT is suggested

**Defect List**

<List defects here> - Out of scope for current task

**Approval**

|  |  |
| --- | --- |
| **Name** | **Status** |
| Indumathi Sannasi | Submitted for Approval |
| CepheidIT Team | Pending |