**Test plan**

Date: August 26, 2021

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**Introduction**

**Objectives:** There are specifically two testing goals. One is testing the Sign Up functionality and the other one is the Login functionality. During testing these two few need to interact with all fields including with these functionalities and verify the data.

**Team Members:**

| **Resource Name** | **Role** | **Type** |
| --- | --- | --- |
| Hridoy Das | Sr. Automation Engineer | Full-time |

**Test Scope**

As a few fields and data need to validate, we need a Backlog document. We will write test cases and review the Backlog and UI design documents. After preparing the testing environment we can access the project on the server. In system testing, we will do Black Box testing and then we will move to Automation testing to build up the regression model.

**Test Approach**

**System Testing:** In system testing, we will use black-box testing. Prerequisite of system testing:

* Backlog
* UI design
* Architecture

**Performance Testing:** We need Apache Jmeter for Load testing.

**Test Automation:** We will use automation testing using Selenium framework for run the regression model.

**Test Environment**

**Operation system:** Windows

**Browser:** Chrome

**Load testing tool:** Jmeter

**Automation Testing tool:** Selenium (Java)

**Software Required**

Software required in this system is minimal. Java Environment Setup is mandatory in these test. Java Development kit (JDK) version 1.8u 64bit needed. To run set environment we need to use maven framework and for unit testing we will use TestNG. For Load, Stress testing “Apache Jmeter” is needed. Browser requirement is “Google Chrome” version 92 and chromedriver with same version as well.

**Milestones**

**Test Schedule:** The initial test schedule follows

| **Test Name** | **Start** | **Finish** | **Effort (Day)** | **Comments** |
| --- | --- | --- | --- | --- |
| Test planning | 28.10.2021 | 5.11.2021 | 5 | Initial planning |
| Review documents |  |  |  |  |
| Create initial test estimates |  |  |  |  |
| First deploy QA test environment |  |  |  |  |
| System Testing |  |  |  |  |
| Automation testing |  |  |  |  |
| Performance testing |  |  |  |  |
| Resolution of final defects and final build testing |  |  |  |  |
| Release to production |  |  |  |  |

**Deliverables:**

| **Deliverable** | **For** | **Date/ Milestone** |
| --- | --- | --- |
| Test Plan | SQA Manager | 26.10.2021 |
| Test Result |  |  |
| Test status report |  |  |
| Test case |  |  |
| Performance testing report |  |  |
| Automation testing report |  |  |
| Resolution of final defects and fina build testing |  |  |
| System testing |  |  |