**Test Plan Identifier: Cohort**

**Introduction:**

* Overview :This test plan provides an overview of test details for Team 2
* Goals/Objectives : Where functional testing should be done for valid name and password and with all given credential
* Constraints : check for 1 pair of valid name and valid password

**References**:

* + Case study given in Whatsapp group

**Test Items:**

* https://irctc.co.in/

**Features to be Tested:**

* https://www.irctc.co.in/nget/profile/user-registration

**Features Not to Be Tested**:

* List the features of the software/product which will not be tested.
* Specify the reasons these features won’t be tested.

**Approach of Testing**:

* Test approach: SRS based testing.
* Testing types: Functional
* Testing method: Manual and Automated using Black Box

**Item Pass/Fail Criteria:**

* User sees a web page with message ‘Registration Successful’ on clicking the button labelled REGISTER - Item Passed
* User sees error message ‘Email is invalid’ on clicking the button labelled REGISTER – Item Failed
* User sees error message ‘Email is required’ with email as BLANK on clicking the button labelled REGISTER – Item Failed

40% of test cases passed

**Suspension Criteria and Resumption Requirements:**

If 80% test cases fails than stop the testing process till further notice from Test manager

**Test Deliverables**:

* + Test Plan
  + Test Scenarios
  + Test Cases
  + Test Scripts
  + Defect report
  + Test Reports
  + RTM

**Test Environment:**

IDE - Eclipse Neon

OS - Windows 10

Memory - 4 GB RAM

Web Browser – Google Chrome, Firefox, IE has been tested

JDK and JRE 8

**Test Tools:**

Webdriver

Apache POI

TestNG

Extent Report

ATExcel Report

**Estimate:**

Total resources required-

Machines:5

Testers:5

**Schedule:**

* Expected start date:9-3-2020 to 9-3-2021

Milestone 1: from 9-3-2020 to 9-5-2020

* Perform smoke testing for build 1
* Perform functional testing of 1 and 2 way
* Perform load testing for 100 users where time should be not greater than 3 secs for every page load for all 100 users

**Staffing and Training Needs:**

* Required Skills – Java, Microsoft Excel
* Training can be provided on Selenium Webdriver with Java

**Roles:**

* Test lead – Ranjan Kumar Mandal
* Team members - Tushar, Kaushik, Navya, Anamitra

**Responsibilities:**

Ranjan K. M. - Automating the Software, Creating Test Plan

Tushar - Creating Test Case Scenario and Test Case Document, RTM

Kaushik - Automating the Software

Navya - Executing the Test Cases

Anamitra - Executing the Test Cases

**Risks:**

There was some issue with duration. Time required is 5 days but only 3 days given.

**Assumptions and Dependencies:**

Assumptions-

* Opera browser in case of mobile app testing using Selenium and Appium

Dependencies-

* Microsoft edge
* Outlook

**Approvals:**

* Mir Akbar Husain -Test Manager