[Work assignment - Poornima]

**Test Strategy**

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
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# Scope

Testing will be performed on the airtel.in website, focussing on Prepaid section which includes the following functionalities.

* Recharge (Positive Flow till payment page)
* Recharge(Negative Flow-enter invalid mobile number)
* International Roaming(Search for a specific country in the list of covered countries)

# Test Approach

The testing approach for the web application will include the following steps:

**Test planning:** The testing team will review the requirements and develop a test plan that outlines the testing scope, objectives, and timelines specific to banking functionalities.

**Test design:** The testing team will develop test cases and test scenarios based on the requirements and user stories. Test data will be identified, and test environments will be set up.

**Test execution:** The test cases will be executed using manual and automated testing techniques. The testing team will report and track defects, and retest fixed defects.

**Test reporting:** The testing team will prepare and share test reports that summarize the testing progress, the number of defects, and the overall quality of the application.

# Testing types

The following testing types will be performed during the testing of the web application:

* Functional testing (automation) – To ensure functionalities are working as per the website requirements.
* UI testing (automation) – Focuses on user experience and ease of use.

# Test cases

Following are the test cases chosen for this exercise.

|  |  |  |
| --- | --- | --- |
| S No | Test case | Rationale |
| 1 | Recharge (Positive Flow till payment page) | As a user, once I open the website, I will try to recharge my mobile. Hence this proves as the most important functional test flow and plays a major role when it comes to sanity testing as well |
| 2 | Recharge(Negative Flow-enter invalid mobile number) | When a user enters mobile number belonging to a different service provider, it should be made known to the user that the number is not valid and should not be able to proceed with the flow. |
| 3 | International Roaming(Search for a specific country in the list of covered countries) | Users traveling to a different country might look for the different plans available as part of International Roaming and the covered countries in each benefit plan. Here we test an example of such a case, where Switzerland is included in the benefit’s cover as part of a change requirement. |

# Testing Tools

There are several important tools used in almost every testing project:

* Chrome browser
* Selenium Webdriver
* TestNG
* Eclipse IDE

# Test Framework and methodology

* Testing is performed in a Test-driven approach using a TestNG framework. Employed Selenium Webdriver with Java as the programming language and used Eclipse as IDE.

# Report

* Here we are making use of TestNG reporting service which is included as part of the TestNG framework in eclipse.