**Test Plan**

**Version No.:V0.1**

**Date: 19:03:2020**

**Project Name: HackathonTeamB**

*<Ensure the document version number on the cover page matches the table below.>*

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| **Ver #** | **Date** | **Prepared** | **Modified / Reviewed by** |
| 1.0 | 19-03-2020 | Naveen, Aishwarya |  |
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**1. Introduction**

**1.1: Purpose**

ING Bank Australia

There’s the done thing and then there’s the ING way. And the fact that we’re Australia’s Most Recommended Bank makes us smile a thousand smiles.

ING Bank Engineering

Our engineering team is a diverse group of people who share the same aim. We want to build a secure, scalable system which delivers for our customers. We want to achieve this with respect for each other taking into account different perspectives. We try to have open minds in relation to implementations and will look at the best technology for a given problem.

ING has a strong presence in the business of Lending. As such, the bank requires robust and flexible systems to achieve this.

The primary focus of our testing is to ensure competence and completely support the client requirements

**1.2:** **Objectives**

The purpose of this test plan is to document the system test strategy for Home Loan Borrowing Power Calculator:

The test plan includes :

* Define what will be tested and what will be out of scope for system testing.
* Define how testing will be conducted.
* Identify how defects will be tracked and communicated.
* Communicate the testing schedule.
* Define the necessary test resources and describe the key roles and responsibilities.
* Define the entrance and exit criteria for entering and exiting system tests.
* Communicate the intent of the continuing testing activities and act as a testing guideline for the project team.

**1.3: Scope**

The implementation of the Price display from Cart after Promocode selection Solution is planned & API automation task using get method links are below:

<https://www.firstcry.com/m/login?URL=https://checkout.firstcry.com/cart>

<https://api-pub.bitfinex.com/v2/book/tBTCUSD/P0>

**1.4: Impact assessment**

The field Living expenses is a single field and we are replacing with 4 fields

The field on the whole will be mandatory and we need to check if the aggregation happens when the user enters values in the fields

The addition of fields should not have any impact on the normal functioning of the calculator

The dependencies of the field have to be checked thoroughly and tested for regression.

**2. Test Strategy**

**2.1: Summary**

This Test Plan explains the testing approach for testing the CART PRICE AFTER APPLYING PROMOCODE Solution.

Testing will be performed using the Test Data and Stories as specified in the Features to Be Tested section

Testing will be performed in the QA environment.

QC team will perform system testing including Positive functional testing, Negative functional testing, Regression and DB testing.

Performance Testing will be performed using Jmeter.

**2.2** **Out of Scope**

1. User permissions not required.

2. User authentication and login is required.

3.The menu bar and other items on the home page are out of scope

4. Performance Testing is out of scope due to lack of time.

**2.3 Assumptions**

* We assume that all the four fields that are introduced are mandatory
* The four fields aggregate and the aggregated value is used in the application
* The API testing is required and will be done once the APIs are ready

**3 Test Execution Strategies**

Specify the strategy for executing the suite of test cases. If there is a need for stubs/drivers etc., then it should be brought out. Any special requirements, like testing in a specific sequence, should be mentioned. Repeatability of tests should also be addressed.

It should also specify the procedure to be carried out for set-up, test log maintenance, Test Incident Report etc.

The test execution strategy is as below:

* The execution has below flows:

**UI\_Automation:**

* + Finding item price from Health and Safety link
    - Selecting All categories link after navigating to Page URL.
    - Navigate to Offers link and selecting Health and Safety link
    - Select an item from it and checking the price of it under the cart.
  + Applying promocode and checking the price of after applying promocode if not applied.
    - Search from Promocode
    - To check whether the promo code is applied or not
      * If not apply it and check the price after applying the promo code.

**API Automation:**

**4. Test Environment**

*<Provide an overview of the test environment. It should be as similar as possible to the production environment. If the software, hardware and network configurations are listed in the Infrastructure Architecture document, provide the link to the document.>*

**4.1 Software**

|  |  |
| --- | --- |
| **Environment** | **Server/URL** |
| Selenium | <https://www.>firstcry.com/ |
| Rest API | <https://api-pub.bitfinex.com/v2/book/tBTCUSD/P0> |
| Postman | NA |

**4.2 Defect Tracking**

All defects found during testing will be entered and tracked using TFS tool

**4.3 Reporting**

Cucumber-report in Selenium

**4.4 Resources**

*<Identify the person(s) that will participate in the aspects of system testing, both during preparation and execution. Some possible roles are listed below – delete or add as needed.>*

| **Names** |
| --- |
| Naveen |
| Aishwarya |
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