**1) Test Plan ID: CBA\_001**

**2) Introduction:**

It is End to end Test Plan for which has two integration points.

* Card payment to integration layer through MQ
* Integration layer to Fraud Decisioning Layer through tcp.

The application under test has two integration points, where a card payment is made from a merchant which sends transaction information that includes mandatory fields (cust Id, Trans Id, Trans Amount and Merchant Id) to integration layer through MQ. Integration layer gets enrichment data (Cust DOB, Cust Postcode, and MerchantPostcode) from DW through multiple feeds for this transaction. Integration layer then transforms the request with enrichment data to a format accepted by Fraud Decisioning engine through tcp. Response from the decisioning engine will be sent back to payment system through integration layer.

The propose of the application is Fraud detection.

**3) Test Items:**

3.1The payment should be declined when a minor customer tried to make a payment greater than $5000.

3.2 The payment should be declined for any customer (minor or adult) if the cust post is unknown and payment amount is greater than $10000.

3.3 If the amount is greater than $20000 and merchant is outside NSW and date of birth of customer is unknown, payment should be declined.

3.4 1The payments should be successful for a minor customer when payment is less than $5000 and merchant is not outside NSW.

3.5 The payment should be successful if any customer (minor or adult) makes payment and the cust post is known and payment amount is less than $10000.

**4) References:**

High Level Design document

**5) Features to be tested:**

* Payment Successful
* Payment declined

**6) Features not to be tested:**

NA

**7) Entry Criteria:**

* Analyze business functionality to know the business modules and module specific functionalities.
* Identify all transactions in the modules.
* Identify all the user profiles.
* Gather user interface/ authentication, geographic spread requirements.
* Identify types of tests to be performed.
* Gather details about testing priorities and focus.
* Prepare Requirement[Traceability Matrix](https://www.guru99.com/traceability-matrix.html)(RTM).
* Identify test environment details where testing is supposed to be carried out.
* Automation feasibility analysis (if required).
* Analyze various testing approaches available
* Finalize on the best-suited approach
* Preparation of test plan/strategy document for various types of testing
* Test tool selection
* Test effort estimation
* Resource planning and determining roles and responsibilities.
* Create test cases, test design, automation scripts (where applicable)
* Review and baseline test cases and scripts
* Create test data

**8) Exit Criteria:**

All possible test cases executed

Maximum defects fixed, Final Regression performed successfully

Confidence on Test process

Time Limitations

Budget Limitations

**9) Suspension Criteria:**

Show-Stopper bug found

Supplier issues

Vast changes in requirements

If resolving defects are more

**10) Roles & Responsibilities**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S no | Name | Role | Responsibilities | Remarks |
| 1 | Kumari Suman | Test Lead | Test Planning, guidance, Monitoring and Test control |  |

**11) Schedule:**

**NA**

**12) Training**

Training Program on Banking Domain

Test Automation Training

**13) Risks & Mitigations**

Team member’s issues

Vendor issues

Time

Budget

**14) Test Environment / Lab**

**15) Test Deliverables**

* Test Plan
* Test strategy
* Requirements Traceability Matrix
* Test Scenario
* Test case
* Test Data
* Defect Report
* test execution report
* Test Evidences
* test closure Report
* Test summary report

**16) Approvals**

|  |  |  |  |
| --- | --- | --- | --- |
| SNO | Task/s | Author /Role | Date & Signature |
| 1) | Test Plan Documentation |  |  |
| 2) | Review |  |  |
| 3) | Approval |  |  |

**17) Glossary**

NA