## 

## **Test Plan**

## **for**

## **Cryptpay**

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**Introduction**

This Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities for Cryptpay.

It includes strategies, criteria, and deliverables to ensure comprehensive testing.

**Test Objective**

To ensure the quality and functionality of Tampay's cryptocurrency exchange platform, covering key areas such as user registration, KYC verification, trading, wallet management, and security.

**Scope:**

* User registration and login.
* KYC verification process.
* Cryptocurrency trading (buy/sell).
* Wallet management (deposit/withdrawal).
* Order history and tracking.
* Security features (e.g., 2FA, encryption).
* User interface and user experience.

**Test Environment:**

* A wireless network connection and a desktop or laptop with all major tools installed, including Google Spreadsheet, Google Docs, browsers like Chrome, Safari, Firefox and various automation tools.

**Test Data:**

* User accounts, cryptocurrency addresses, and transaction amounts.

**Test Strategy:**

* Black-box testing: Focus on testing the system's functionality without knowledge of its internal structure.
* White-box testing: Test the internal structure and logic of the system.
* Integration testing: Test the interaction between different components of the platform.
* System testing: Test the entire system as a whole, simulating real-world usage scenarios.

**Test Tools:**

* + Mobile: Appium
  + Web: Cypress
  + Performance: JMeter
  + Api Testing: Postman

**Test Schedule**

The estimated test schedule starts on 30/9/2024 and ends on 31/10/2024.

| Task | Done by | Duration | Start Date | End Date | Comment |
| --- | --- | --- | --- | --- | --- |
| Requirement Analysis. | QA | 4 hours | 30/9/2024 | 30/9/2024 | The QA will understand the requirements in terms of what will be tested. |
| Test Planning. | QA | 4 hours | 30/9/2024 | 30/9/2024 | Outline the testing strategy. |
| Test Case Development. | QA | 4 days | 1/10/2024 | 4/10/2024 | Creation and verification of test cases and test scripts. |
| First Phase Execution. | QA | 8 days | 5/10/2024 | 14/10/2024 | Execution of first test cases begins. |
| Bug Report. | QA | 4 hours | 15/10/2024 | 15/10/2024 | Logging of bugs on Jira board. |
| Test Status Report | QA | 4 hours | 15/10/2024 | 15/10/2024 | Creation of test report. |
| Second Phase Test Case Development. | QA | 3 days | 16/10/2024 | 18/10/2024 | Creation and verification of test cases and test scripts. |
| Test Execution. | QA | 5 days | 16/10/2024 | 24/10/2024 | Execution of test cases begins. |
| Bug Report. | QA | 4 hours | 25/10/2024 | 25/10/2024 | Logging of bugs on Jira board. |
| Test Status Report. | QA | 4 hours | 25/10/2024 | 25/10/2024 | Creation of test report. |
| Resolution of Final Defects / Regression Testing. | QA | 5 days | 26/10/2024 | 30/10/2024 | The final stage of testing where the application is reviewed once again. |
| Test summary report. | QA | 4 hours | 31/10/2022 | 31/10/2024 | Create a document detailing the total number of cases along with the pass/fail status |
| Test cycle closure. | QA | 2 hours | 31/10/2024 | 31/10/2024 | Final meeting to discuss strategies to be implemented in future tests and lessons from current test cycles |

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## **Item Pass/Fail Criteria**

* Pass Criteria: All critical functionalities must work as intended with no high-severity defects.
* Fail Criteria: Any critical defect that impacts core functionality or user experience is considered a failure.

## **Entry and Exit Criteria**

* Entry Criteria:
  + Test environment is set up.
  + Test cases are prepared.
* Exit Criteria:
  + All test cases are executed.
  + Critical defects are resolved or documented.

**Deliverables**

Test deliverables are provided below as they pertain to the STLC:

* Test Plan.
* Test Case.
* Bug Report.
* Test Report.