Test Plan Document

**Yoroi wallet extension**

# VERSION HISTORY

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Version #** | **Author** | **Revision Date** | **Approved By** | **Approval Date** | **Title** | | 1 | ABC | DD-MM-YY | XYZ |  | Test Plan Draft | |  |  |  |  |  |
|  |  |  |  |  |  |

1 Introduction 3

2 Business Background 3

3 Test Objectives 3

4 Test strategy 3

5 TEST Environment 3

6 Test Team Organization 6

7 Schedule 6

8 Defects Classification Mechanism 6

9 Release Criteria 6

Test Plan

# Introduction

A browser extension for the light client Cardano blockchain is available in chrome or firefox browser. It is found through link

https://yoroi-wallet.com

# Business Background.

As requirement for the users, light client Cardano blockchain is available in chrome or firefox browser. It is found through link

https://yoroi-wallet.com

# Test Objectives -Scope

The test objectives are to test the Yoroi browser extension in chrome and Firefox browser from installation , initial setup of wallet creation.

***Entry Criteria***

The tester will start the test execution when all the following criteria meets –

* Software/module/API are available for testing as per Sprint planning.
* Test Specification is available
* Test Environment is built—staging/test env
* Required team members for testing are available

***Exit Criteria***

Successful completion of a test phase - Run rate is mandatory to be 100% with Pass rate is 80%, achieving the pass rate is mandatory. All priority and critical defects to be closed.

# Test Strategy

1. **Feature in test scope**

|  |  |  |
| --- | --- | --- |
| **Module/Functionality** | **Scenarios** | **Description or validations** |
| Yoroi wallet extension availability in browsers | 1.Yoroi wallet extension availability in Chrome browser | Check the avalability of Yoroi wallet extension availability in Chrome browsers |
| 2.Yoroi wallet extension availability in Firefox browsers | Check the avalability of Yoroi wallet extension availability in Firefox browsers |
| Yoroi wallet extension addition in browsers | 1.Yoroi wallet extension addition in Chrome browser | Check the avalability of Yoroi wallet extension addition in Chrome browsers |
| 2.Yoroi wallet extension addition in Firefox browsers | Check the avalability of Yoroi wallet extension addition in Firefox browsers |
| Yoroi wallet extension in browsers- create wallet setup | 1.New Wallet creation in Chrome browser | Check the screen flow as below in Chrome  1.Language selection--->Verify the languages listed, selection of language, Continue button 2.Terms of Use page--->webpage content/text, scroll option on the Terms of Service Agreement text section, Terms of Service Agreement check box,Selection of checkbox, Continue button enability, continue button selection 3.CARDANO PAYMENT URLS--->Skip and Allow buttons, Functionality of Skip, Functionality of Allow 4.Wallet homepage->Connect to hardwarewallet,Create Wallet,Restore Wallet option display 5.Create Wallet option->hover over text, selection of option 6.Pick currency/platform option 7.Create Wallet/Paper Wallet options 8.Create Wallet option selection->Validation of Wallet name, password and password confirmation fields 9.creation of personal Wallet 10.Recovery phrase page -> display of the phrase and 'YES, I'VE WRITTEN IT DOWN' button 11.Recovery Phrase confirmation page -> validate the selection option with and without correct phrase order 12.Dashboard display |
|  | 2.New Wallet creation in Firefox browser | Check the screen flow as below in Firefox   1.Language selection--->Verify the languages listed, selection of language, Continue button 2.Terms of Use page--->webpage content/text, scroll option on the Terms of Service Agreement text section, Terms of Service Agreement check box,Selection of checkbox, Continue button enability, continue button selection 3.CARDANO PAYMENT URLS--->Skip and Allow buttons, Functionality of Skip, Functionality of Allow 4.Wallet homepage->Connect to hardwarewallet,Create Wallet,Restore Wallet option display 5.Create Wallet option->hover over text, selection of option 6.Pick currency/platform option 7.Create Wallet/Paper Wallet options 8.Create Wallet option selection->Validation of Wallet name, password and password confirmation fields 9.creation of personal Wallet 10.Recovery phrase page -> display of the phrase and 'YES, I'VE WRITTEN IT DOWN' button 11.Recovery Phrase confirmation page -> validate the selection option with and without correct phrase order 12.Dashboard display |
| Dashboard display on selection of extension after wallet creation | 1.Main dashboard launch on selection of Yoroi extension after wallet creation in Chrome browser | Verify the Dashboard page launched |
| 2.Main dashboard launch on selection of Yoroi extension after wallet creation in Firefox browser | Verify the Dashboard page launched |

1. **Features not to be tested.**

* CARDANO PAYMENT URLS--->Functionality and screenflow on selection of Allow
* Wallet homepage->Connect to hardware wallet and Restore Wallet functionalities and respective screenflows

1. **Test types**

* Sanity Testing-Ensure major functionality under test is working
* Module Testing – Each modules to be tested
* System Integration Testing: E2E testing of complete system under test scope.
* Adhoc testing
* Regression Testing
* API testing: Test all the APIs created for the test under scope

1. **Risk and Issues**

|  |  |
| --- | --- |
| **Risk** | **Mitigation/Solution** |
| Lack of the required testing skills of team member | Training for upskill |
| Hard to meet project timelines due to tight schedule or timeline miss | Set Test Priority for each of the test activity and ontime communication within scrum team |
| Poor team managing skill by Manager | Leadership Training for manager |
| Lack of cooperation within scrum team | Team grooming and sync up on regular basis |
| Wrong budget estimate and cost inefficiency | proper clarity on requirements and budgeting . Internal team motivation/encouragement |

1. **Test Logistics**

* Test team resources , ‘n’ count with skill set- Functional testers with x exp should be available.
* Team to be given grooming on ‘xyx’ skill and knowledge on webpage testing.
* System to be available with required browsers or simulators as per requirement.

1. **Test tools and Methodology**

**System req and S/W:**Chrome/FF browser is Windows and IOS platform

**Tools:** Java, Eclipse IDE for selenium, Selenium Jars, Git repo, Jenkins, Test Management Tools like Rally, Jira, SQL Developer/TOAD

**Methodology: Agile Methodology**

# Test Environment

* Staging/test env up and running with required DB/server connections.
* System to be available with required browsers or simulators as per requirement.
* Software for API testing (POSTMAN or SOAPUI) be available.

# Test Team and project resources

|  |  |  |
| --- | --- | --- |
| **Role** | **Resources** | **Responsibilities** |
| Test Manager | XYZ | Manage the whole project from testing end. Responsible for overall test deliverables |
| Testers | TM1, TM2 | 1.Analyze the requirements 2.Identifying and authorize test scenarios/cases , framework and test scripts(automation) 3.Plan and follow the Test Approach Execute the tests, Log and report defects.  Attend Sprint planning,scrum, retrospective meeting |
| Scrum Master | ABC | 1. Implement Project Management/Best Practices 2. Keep all stakeholders on Track and Informed on project status/updates 3. Introduce and follow the Agile Engineering Practices 4. Coach Team Members on scrum practices and principles. 5. Host Daily scrum standup meetings, Sprint planning meetings,requiremnets walkthrough, retrospective, Sprint demo etc. 6. Assist the Product Owner With the Product Backlog 7. Remove Roadblocks of scrum team and ensure the project is inline with timeline. |
| Product Owner |  |  |
| Dev team |  |  |
| Business Analyst |  |  |
| Hardware Support |  |  |
| Software Support |  |  |
| DBA |  |  |

# Schedule

Test Milestones identified for the Software Project Schedule

**Major Deliverables**

* Test Plan /strategy
* Traceability MAtrix
* Test Cases
* TestData
* Test automation scripts
* Test Incident Reports
* Test Summary Reports

**Estimation for each test deliverable to be documented.**

**The schedule of each Sprint with each deliverable dates also to be mentioned.**

# Defects Classification Mechanism

A Priority and Severity can be categorized in the following ways –

**Priority**

**P5**:-Cosmetic- Defect raised which can be considered as low priority which enhances the app for better UI experience.

**P4**:-Low − This defect can be fixed after the critical ones are fixed.

**P3**:-Medium − The defect should be resolved in the subsequent builds.

**P2**:-High − The defect must be resolved immediately because the defect affects the application to a considerable extent and the relevant modules cannot be used until it is fixed.

**P1**:-Urgent − The defect must be resolved immediately because the defect affects the application or the product severely and the product cannot be used until it has been fixed.

**Severity**

Critical /**Severity 1** − Defect impacts critical functionality of Application and the QA team cannot continue with the validation of application under test without fixing it.

Major / **Severity 2 −** Defect impacts a functional module; the QA team cannot test that particular module but continue with the validation of other modules.

Medium / **Severity 3** − Defect has issue with single screen or related to a single function, but the system is not blocking and still functioning.

Low / **Severity 4** − It does not impact the functionality. It may be a cosmetic defect, UI inconsistency for a field or a suggestion to improve the end user experience from the UI side