Test Plan

Version 0.1

**Table of Contents**

[**1. Introduction 2**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.jo35ugfzj7iz)

[Description of this document 2](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.35klzcvjomi)

[Objectives 3](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.2kie7hki37t4)

[References 3](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.ulowqk3qff1f)

[**2. Scope of Testing 3**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.ipmi7n8e506z)

[What’s included? 4](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.db85mcerx8s1)

[**3. Testing Strategy 4**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.2ngjwvjs0s2u)

[Functional Testing 4](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.i8tad1h4bi2)

[Regression Testing 4](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.65jcoj8o9kwj)

[Build Verification Test (BVT) 4](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.oo3oymdu6dck)

[Full Pass 5](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.lcz7nknis9sn)

[**4. Resources 5**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.xjg6lez0htt0)

[Environment and Servers 5](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.4mvu879vm4gq)

[Test Machines / Devices 5](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.3q21dte6mwo0)

[Supported Devices / OS Versions 6](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.uav01jvr4rho)

[Supported Browsers 6](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.37van78rywtx)

[Accounts 6](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.kltu417056t9)

[Tools 7](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.3fmo9koeovre)

[**5. Risks 7**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.xaoys5jehe8z)

[**6. Team Roles 7**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.vrrdejkw6uux)

[**7. Document Revisions 8**](https://docs.google.com/document/d/1bnfx6HTBfWbRLY-DcsueE0NhhvwtxTYnz_9mbiMYqSM/edit#heading=h.hk85614kenb6)  
  
  
**1. Introduction**

**A. Description of this document**

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope. There are currently some important features in the Web Application / Mobile Application as following:

* Swap.
* P2P Trading.
* Launchpad.
* Swing.
* Earn RENEC.
* Forum.
* Etc.

And “Swap” is one of our key products and it is included as follows:

* How to use the “Swap” feature on both Web & Mobile.
* With the “Market price” option, users can instantly exchange assets at the current market price.
* With the “Your price” option, users can exchange assets at their expected price when the market price of the asset changes.

In this sprint, we will only develop the “Swap” feature and then will deliver to customer as scheduled.

**B. Objectives**

This Test Plan supports the following objectives:

* The system is tested against the functional requirements/specifications.
* Define the activities required to prepare for and conduct software testing in Software Development Life Cycle.
* Communicate to all responsible parties the test strategy.
* Define deliverables and responsible parties (Testing Process, Bug Life Cycle Process, Templates,…).
* Communicate to all responsible parties the dependencies and risks.

**C. References**

Related documents for this project can be found in the following locations:

* Remitano Document.
* The product  at https://remitano.com/swap/vn-en

**2. Scope of Testing**

This project will be developed using agile methodology and executed in two/three-weeks sprints. Sprint planning meetings will be held prior to each sprint to identify the features to be implemented in each sprint. This sprint, the “Swap” feature will be implemented on our Web/Mobile Application and development team will try to complete this one on time for customer/client.

**A. What’s included? Features to be tested**

For this project, QA Remitano will focus testing on each development task belong to a sprint which is completed by developer team. QA Remitano will execute testing for each development task is assigned.

Existing criteria testing is based on the wireframe, design and requirement which are supplied and confirmed by the client/customer.

And “Swap” feature will be release in the next Quarter that’s reason why it needs to be tested at the current sprint and the upcoming sprints.

**B. What’s not included? Features not to be tested**

Testing is not included for features that are not mentioned in the requirements, architecture or design comps as follows:

* P2P Trading.
* Launchpad.
* Swing.
* Earn RENEC.
* Forum.

**3. Testing Strategy**

**A. Functional Testing**

The system is tested against the functional requirements/specifications.

Test cases will be identified based on stories in Jira/Trello/Pivotal Tracker and approved design comps. We will update these test cases during the development phase. Test cases are posted in Google Drive or import TCs to Jira through XRAY extension.

1. **Regression Testing**

The purpose of this strategy is to ensure that changes (enhancements or defect fixes) to the software have not adversely affected it, is the process of testing to make sure that older modules still works with the new one. How we perform regression testing will depend on the kind of work that we implement. It can be a smoke test around a new feature that we implement to make sure nothing is broken. Spending one to two hours to explore a new build will ensure we capture as many broken pieces throughout the app as possible.

1. **Integration Testing**

The Integration Testing is a phase in software testing in which individual modules are combined as a group. The purpose of this level of testing is to expose faults in the interaction between integrated units. Test drivers and test stubs are used to assist in Integration Testing.

1. **Build Verification Test (BVT)**

The BVT will include the core functionality of the app. It is a set of tests run on each new build to verify that the "happy path" functionality of the app works as expected; in certain cases a BVT may also extend to cover selected error scenarios.

1. **Full Pass**

Full Pass is a test suite or collection of test suites that strive to cover all possible features within the app. Ideally, a Full Pass should cover all possible test scenarios for this web application. Resourceful QA will run the Full Pass prior to production release.

**4. Resources**

1. **Environment and Servers**

|  |  |
| --- | --- |
| **Environment** | **URL/Install Path** |
| **Development** | TBD |
| **Test** | TBD |
| **Staging** | TBD |
| **Production** | TBD |

1. **Test Machines / Devices / Browsers**

The following computers/devices will be used by the Resourceful QA team to test this project. It depends on requires from customer/client. We will be applied on Chrome browser and Android/iOS as well.

1. **Supported Devices / OS Versions**

A list of supported devices and versions relate to iOS & android go here.

|  |  |
| --- | --- |
| **Devices** | **Operating System** |
| Chrome Browser | Version 100 (Official Build) (64-bit) and up |
| iPhone X and up | iOS 14.1 and up |
| Android mobile | Android 10.0 and up |

Current Chrome market share: <https://gs.statcounter.com/browser-version-market-share>

Current iOS market share: <https://david-smith.org/iosversionstats/>

Current Android market share: <https://developer.android.com/about/dashboards/>

1. **Accounts**

QA Remitano will list out any special account information (e.g.: login) for each environment needed to test the application. If the application uses roles to limit user activity or display content, include accounts for each role.

1. **Tools**

* Jira: Issues tracking.
* Github: Check for new commit and do daily build after every commit.
* Pivotal Tracker or Zoom or Google Meet: Using for daily Stand-up, sprint planning, demo and retrospective.

**5. Risks**

Having a variety of browsers/devices and version available for testing is a challenge. Some of the versions are out of date and they only work with certain type of hardware. Also, Resourceful QA will need to make sure we have all the browsers/devices we need to perform testing.

**6. Team Roles**

|  |  |  |  |
| --- | --- | --- | --- |
| **Role** | **Name** | **Email** | **Phone** |
| **QA Lead** | ABC | abc@remitano.com |  |
| **QA** | XYZ | xyz@remitano.com |  |
| **QA** | LMN | lmn@remitano.com |  |

**7. Document Revisions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Revised by** | **Comment** |
| New | 10-07-2022 | abc | First draft --- internal review |
| New | 10-11-2022 | xyz | Update Test Plan |
|  |  |  |  |
|  |  |  |  |