

Group05 - AuraSky Test Plan

Version 1.1

AuraSky - NFT Marketplace	Version: 1.1
Test Plan	Date: 05/Jan/24
Group 05	

Revision History

Date	Version	Description	Author
30/Dec/23	1.0	Form Purpose and Target Test Items Minh: 1 Hoang: 2	Pham Viet Hoang, Le Nguyen Quang Minh
05/Jan/24	1.1	Form another parts: Environmental Needs and Responsibilities, Staffing, and Training Needs Minh: 3.1, 3.3 Hoang: 3.2, 4	Pham Viet Hoang, Le Nguyen Quang Minh

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Test Plan

1. Introduction

1.1 Purpose

- A test plan is a document that outlines the testing strategy for a software project. It serves as a blueprint for testing the software's functionality and helps ensure that all aspects are thoroughly tested.
- The main objectives and purposes of a test plan document are:
 - To define the testing strategy, approach, resources, and schedule for a software project.
 - ensure that the testing process is systematic, comprehensive, and aligns with the project requirements and goals.
 - To identify the resources required for testing (e.g., people, hardware, software).
 - To outline the test cases and test scenarios that will be executed.
 - To specify the acceptance criteria for the software.
 - To document the risks and assumptions associated with the testing process
- The test plan document is intended for use by the testing team, as well as other stakeholders such as project managers, developers, and customers. It is a key document that helps ensure the testing process is well-defined and thorough.
- Some key features of a test plan document include:
 - To document the risks and assumptions associated with the testing process.
 - A list of the features and functions that will be tested.
 - A description of the testing environment (e.g., hardware, software, operating system).
 - A list of the test cases and test scenarios that will be executed.
 - A description of the acceptance criteria for the software.
 - A schedule for testing activities.
 - A list of the resources required for testing (e.g., people, hardware, software).
 - A description of the risks and assumptions associated with the testing process.

2. Target Test Items

- Main features in test plan:
 - Search NFT
 - View Trending NFT
 - Create NFT
 - Mint and sell NFT
 - Buy NFT

For details, please take a look in this [Document](#).

3. Environmental Needs

3.1 Hardware Requirements

- Devices (recommend using PC or laptop) can access the internet.
- Web browsers installed (Chrome recommended).
- Metamask extension.

3.2 Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

Software Name	Purpose	Version	Type and Other Notes
Windows 10, 64 bit	Device for testing		Operating System
Mac OS 14.1.1	Device for testing		Operating System

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Software Name	Purpose	Version	Type and Other Notes
Google Chrome	Access AuraSky website	Lastest	Web Browser
Metamask	Connect to blockchain	Lastest	Extension

3.3 Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Defect Tracking	Trello	Atlassian	Latest
Document	Google Docs	Google LLC	Latest
Document	Google Sheets	Google LLC	Latest
Deployment	Vercel	Vercel	Latest
API Test	Postman	Postman	Latest
Automation Test	Katalon Studio	Katalon Inc	Latest

4. Responsibilities, Staffing, and Training Needs

4.1 People and Roles

This table shows the staffing assumptions for the test effort.

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	Le Nguyen Quang Minh	Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> • planning and logistics • agree mission • identify motivators • acquire appropriate resources • present management reporting • advocate the interests of test • evaluate effectiveness of test effort

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Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Tester	Le Nguyen Quang Minh Pham Viet Hoang Nguyen Duc Manh Duong Tuan Dung	Implements and executes the tests. Responsibilities include: <ul style="list-style-type: none"> • implement tests and test suites • execute test suites • log results • analyze and recover from test failures • document incidents
Test System Administrator	Pham Viet Hoang	Ensures the test environment and assets are managed and maintained. Responsibilities include: <ul style="list-style-type: none"> • administer test management system • install and support access to, and recovery of, test environment configurations and test labs