

Software Test Description For Noctua sky Website

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noctua sky (stellarium) Website - Server Automation Testing

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1. Introduction

This document provides a comprehensive outline of the test scenarios and cases derived from the Noctua sky website's test plan. It serves as a guide for validating the functional and non-functional aspects of the website to ensure a high-quality user experience.

1.1. Document Overview

- **Reference:** Software Test Plan (STP#13)
- **Objective:** To conduct a structured series of functional and non-functional tests that validate features, and ensure robustness.
- **Scope:** This document covers functional and non-functional testing, including login, job post management, search functionality, Localization and Globalization, Performance, End to End.

1.2. Glossary

- **Test Strategy:** The overall approach or methodology for testing the upwork website, including the types of testing to be performed and the prioritization of test activities.
- **Test Scope:** The boundaries and limitations of testing, defining what aspects and functionalities of the noctua sky website will be tested and what will not be tested.
- **Test Environment:** The configuration of hardware, software, and network settings used for testing the noctua sky website, including development, staging, and production environments.
- **Test Cases:** Detailed instructions specifying the steps to be taken, the inputs to be used, and the expected results for testing specific functionalities or scenarios of the noctua sky website.

- **Test Data:** The inputs, parameters, and datasets used for executing test cases and scenarios on the noctua sky website to simulate various user interactions and scenarios.
- **Test Execution:** The process of running test cases and scenarios on the noctua sky website, recording test results, and verifying expected outcomes against actual outcomes.
- **Defect:** An error, flaw, or deviation in the functionality or performance of the upwork website that deviates from expected behavior and negatively impacts user experience.
- **Severity:** The degree of impact or seriousness of a defect on the noctua sky website, ranging from critical (severe impact) to minor (minimal impact) based on its effect on functionality or usability.
- **Priority:** The level of importance or urgency assigned to a defect in the noctua sky website, determining the order in which it should be addressed and fixed, typically categorized as high, medium, or low.
- **Test Reporting:** The generation and dissemination of reports summarizing the results, findings, and status of testing activities performed on the noctua sky website, including test execution metrics and defect metrics.
- **Enter Criteria:** The conditions or criteria that must be met to determine when testing of the noctua sky website can start.
- **Exit Criteria:** The conditions or criteria that must be met to determine when testing of the noctua sky website is complete and ready for release, such as achieving a certain level of test coverage and resolving critical defects.
- **Risk Assessment:** The evaluation of potential risks and uncertainties associated with testing the noctua sky website, including technical, schedule, and resource-related risks, and the development of mitigation strategies.
- **User Acceptance Testing (UAT):** The testing performed by end-users or stakeholders of the noctua sky website to validate its functionality, usability, and adherence to business requirements before final deployment.

2. Test Preparations

This section outlines the necessary preparations, setting the stage for a successful testing phase.

2.1. Hardware and Environment Setup

- **Client Device:** A PC with mac OS Build 22631.3085 installed.

2.2. Software and Data Preparation

- **Test Accounts:** Set up various user accounts on noctua sky Website.
- **Data Requirements:** Collect test data for various scenarios, including product information, user details and experience reviews.
- **Software Requirements:**
- Install and setup the following browser on the PC:
 - Firefox Version V 122.0
 - Google Chrome Version 121.0.6167.140
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3. Test scenarios

Test scenarios are stored on the TestRail website, where we input all tests that need to be conducted using Selenium in Python. Additionally, we include the steps for each test.