|  |
| --- |
| Test Plan  Project Name - WriteWave |

|  |
| --- |
| Table of Content |

● Introduction

● Objectives

● Scope

● Testable Features

● Testing Approach

● Roles/Responsibilities

● Test Schedule

● Test Deliverables

● Entry & Exit Criteria

● Tools

● Risks and Mitigation Plans

● Approval

|  |
| --- |
| Introduction |

The purpose of this test plan is to define the testing approach, scope, and deliverables for manually testing the platform. The objective is to ensure that the application functions correctly, meets business requirements, and provides a seamless user experience.

|  |
| --- |
| Testing Objective |

To verify the core functionalities of the facultyplatform, including user authentication, freelancer-client interactions, and project management.

To identify and report defects to enhance product stability and performance.

To ensure compatibility across different browsers and devices for a seamless user experience.

To validate security measures, data privacy, and compliance with industry standards.

|  |
| --- |
| Testing Scope |

**Functional Testing:** Verify core functionalities such as user authentication, freelancer-client interactions, project assignments, and payment processing.

**UI/UX Testing:** Assess dashboard layout, responsiveness, and overall user experience across different screen sizes.

**Compatibility Testing:** Ensure seamless functionality across various browsers (Chrome, Firefox, Edge, Safari) and devices (desktop, tablet, mobile).

.

**Security Testing:** Validate user authentication, data privacy, and secure transmission of sensitive information.

**Performance Testing (Manual Checks):** Observe dashboard responsiveness, loading times, and overall stability under different user scenarios.

|  |
| --- |
| Testable Features |

#### 

* User Registration & Login
* Profile Setup
* Data Analytics & Insights
* Dashboard Navigation
* Settings & Preferences
* Notifications & Alerts
* Privacy & Security Features
* Mobile App Synchronization
* Logout & Session Management
* Error Handling

|  |
| --- |
| Testing Approach |

#### Testing Types

* Functional Testing
* Compatibility Testing
* Security Testing
* Usability Testing
* Performance Testing
* Regression Testing
* User Acceptance Testing (UAT)

#### Testing Methodologies

* Black-box Testing
* White-box Testing
* Automated & Manual Testing

#### 

#### Testing Environment

* Web Browsers: Chrome, Firefox, Edge, Safari
* Mobile Devices: Android, iOS
* Testing Tools: Selenium, Postman, Jira, JMeter, Appium

|  |
| --- |
| Roles & Responsibilities |

### 

|  |  |  |
| --- | --- | --- |
| Name | **Role** | Responsibilities |
| XYZ | Test Manager | Oversee the entire testing process, allocate resources, and manage risks. |
| XYZ | Test Lead | Develop test plans, assign tasks, and review results. |
| QA | Test Engineer | Execute test cases, report defects, and validate fixes. |

|  |
| --- |
| TestSchedule |

|  |  |
| --- | --- |
| **Task** | Duration |
| Test Plan Creation & Mind Map | 02 March 2025 |
| Test Scenario | 02 March 2025 |
| Test Cases & Execution | 02 March 2025 |
| Bug Reporting | 02 March 2025 |
| Test Summary / Presentation Report Submission | 02 March 2025 |

|  |
| --- |
| . Test Deliverables |

### 

|  |  |  |  |
| --- | --- | --- | --- |
| Deliverable | Description | Responsible Owner | Completion Date |
| Test Plan | Detailed testing strategy & scope | Test Manager | 02/04/2025 |
| Test Cases | Test scenarios for different functionalities | Test Engineer | 02/0/42025 |
| Defect Reports | Documenting identified defects | Test Engineer | 02/04/2025 |
| Test Summary Report | Overall test findings & recommendations | Test Lead | 02/04/2025 |

|  |
| --- |
| Entry & Exit Criteria |

#### Entry Criteria:

* Testable requirements received.
* The development team has released a stable build.
* Test environments are set up.

#### Exit Criteria:

* All high-priority defects are resolved.
* Test cases are executed with a 100% pass rate or acceptable defect level.
* Final test report is reviewed and approved

|  |
| --- |
| Tools |

#### 

* Test Management: Jira, TestRail
* Automation: Selenium, Appium
* Performance Testing: JMeter
* Defect Tracking: Bugzilla, Jira
* Security Testing: OWASP ZAP, Burp Suite

|  |
| --- |
| Risks & Mitigation Plans |

|  |  |
| --- | --- |
| Risk | Mitigation Plan |
| Lack of automation testers | Assign backup resources for test automation. |
| No detailed requirements are available | Engage with SMEs and stakeholders for clarification. |
| High number of defects | Conduct frequent reviews & bug triaging. |
| Inconsistent builds from developers | Implement CI/CD pipeline & nightly builds. |

|  |
| --- |
| Approvals |

The following documents require approval before proceeding to the next phase:

* Test Plan
* Test Cases
* Defect Reports
* Summary Reports

Testing will only proceed to the next stage after obtaining the necessary approvals.