Document Versioning

| **Responsible** | **Action** | **Version** |
| --- | --- | --- |
| Mariela Sanchez | **Document Creation** | **v01** |
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|  |  |  |

Introduction

### **Objective**

This document outlines the testing strategy to ensure the quality of the Seso site. The testing process will be structured to verify and validate the functionality and appearance of the site through various stages of testing.

Testing Strategy:

1. **Modular Testing:**
   * **Scope:** Testing will be organized by individual modules, where each module corresponds to a specific page (each URL represents a different page).
   * **Types of Test Cases:**
     + **Look and Feel:** Ensures that the design and layout of the page meet the specified requirements and provide a satisfactory user experience.
     + **Functional Testing:** Verifies that the page functions as expected, with all features and interactions working correctly.
2. **Integration Testing:**
   * **Scope:** After each module has been tested and approved individually, integration testing will be conducted.
   * **Objective:** To ensure that newly completed modules work seamlessly with other related modules and that there are no integration issues.
3. **Regression Testing:**
   * **Scope:** Performed after integration testing.
   * **Objective:** To confirm that previously tested modules, which were not impacted by new integrations, continue to function as expected and that no new issues have been introduced.
4. **User Acceptance Testing (UAT):**
   * **Scope:** Once all testing phases are complete, the deliverable will be sent for User Acceptance Testing.
   * **Objective:** To validate the final product against user requirements and expectations.
   * **Process:** The Quality Assurance team will assist the responsible parties during UAT to ensure a successful evaluation and resolution of any issues.

**Conclusion:** Following the completion of all testing phases, the deliverable will be finalized based on feedback and successful UAT. The goal is to ensure that the Seso site meets quality standards and delivers a seamless user experience.

Testing Assumptions:

1. **Modular Testing:**
   * The Quality Assurance (QA) team will configure the environment for modular testing.
   * The final code for modular testing will be sourced from a pull request on GitHub, as coordinated with the development team.
2. **Integration and Regression Testing:**
   * **Integration Testing:** This phase will take place in the Development (Dev) environment. The QA team will perform testing to ensure that newly integrated modules work correctly with other related modules. During this phase, QA will not have access to the source code.
   * **Regression Testing:** This phase will be conducted in the Pre-Production (Preprod) environment. The QA team will verify that existing functionalities remain stable and unaffected by recent integrations. Access to the source code will also be restricted during this phase.
3. **User Acceptance Testing (UAT):**
   * UAT will be executed in the Pre-Production environment, which has already been tested through QA and regression testing phases.
   * The QA team will not have direct access to the source code during UAT to focus on validating the system against user requirements.

**Additional Notes:**

* The QA team will collaborate closely with the development team to ensure timely access to the necessary code and environments.
* All issues identified during testing phases will be documented and communicated to the development team for resolution.
* The Dev Team will provide data for Integration and Regression Testing such as login users.

QA Artifacts:

| QA Artifact | Document Name | Objective |
| --- | --- | --- |
| Test Plan | Seso Test Plan-v01 | Contains Testing Strategy |
| Test Cases | Test Cases Seso-v01 | Contains all the test cases divided by module |
| Defect Tracker | Defect Tracker -v01 | Compilation of defects found during the project life cycle |

Exit Criteria

The following exit criteria will need to be met in order to proceed from one testing phase to another

| Exit Criteria | Status |
| --- | --- |
| 100% Test Cases Executed |  |
| 90% of Test Passed |  |
| No High Priority Defects Open |  |
| All remaining defects are either canceled or documented as Change Requests for a future release |  |

Defect Definition

Defect Severity will be defined based on the following table:

| Severity | Definition |
| --- | --- |
| High | Functionality issues blocking workflows |
| Medium | Functionality issues but there is workaround for achieving the desired functionality |
| Low | Unclear error message or cosmetic error which has minimum impact on product use |