Test Plan for Bugasura

1. Objective

The primary objective of this test plan is to define the strategy, approach, and resources required for testing the Bugasura io website. The goal is to ensure that all functionalities meet the specified requirements, and the website performs well under different scenarios, including usability, functionality, compatibility, and security.

2. Scope

The scope of testing includes the following areas of Bugasura io:

- Functional Testing: Verification of all core functionalities, including bug tracking, reporting, user login, project management, and integrations with external tools

- UI/UX Testing: Ensuring the website is user-friendly, accessible, and meets visual consistency standards across all pages

- Compatibility Testing: Ensuring compatibility across multiple browsers (Chrome, Firefox, Safari, Edge) and devices (desktops, tablets, mobile phones)

- Performance Testing: Evaluating page load times, responsiveness, and the ability to handle concurrent users

3. Testing Environments

Testing will be performed across multiple environments to ensure consistency and reliability:

- Operating Systems: Windows, macOS, iOS, Android
- Browsers:
    1. Chrome (latest and previous versions)
    2. Firefox (latest and previous versions)
    3. Safari (latest and previous versions)
    4. Microsoft Edge (latest and previous versions)
- Devices:
    1. Desktop (Windows/macOS)
    2. Mobile (iOS/Android smartphones)
    3. Tablets (iOS/Android)

4. Roles & Responsibilities

Test Lead : Define test strategies, oversee test execution, and report status
Test Engineers: Write test cases, execute tests, log bugs, and validate fixes
Developers: Fix identified bugs and collaborate on defect resolutions
Project Manager: Ensure timely delivery of the project and allocate resources
Stakeholders : Review test results and provide feedback

5. Test Schedule
   - Test Plan Creation : 12th SEP,24
   - Test Scenario Creation: 12th SEP,24
   - Test Case Creation: 12th SEP,24
   - Test Case Execution: 12th SEP,24
   - Bug Report: 12th SEP,24
   - Summary Report : 12th SEP,24

6. Tools

- Bug Tracking & Test Management: Bugasura, Jira
- Test Automation (if applicable): Selenium, Cypress
- Performance Testing Tools: JMeter, Lighthouse
- Browser Compatibility: BrowserStack, LambdaTest
- Collaboration & Reporting: Slack, Google Sheets, Confluence

7. Deliverables

- Test Plan Document
- Test Cases
- Test Scenarios
- Bug Reports
- Test Metrics

8. Entry & Exit Criteria

- Entry Criteria:
  - Functional requirements are finalised and signed off
  - Development is complete, and the test environment is ready
  - Test cases are reviewed and approved
  - Necessary test data is available

- Exit Criteria:
  - All critical and major bugs have been fixed or mitigated

- All planned test cases have been executed
- Acceptance criteria have been met
- Test summary report has been reviewed and approved by stakeholders

9. Mitigation

- Risk: Incomplete requirements or ambiguous functionality
- Mitigation Strategy: Collaborate closely with stakeholders to clarify requirements before testing begins

This test plan is designed to ensure that Bugasura io meets the quality expectations, delivering a seamless and bug-free experience to end-users.