Test Coverage Strategy

Objective 🔗

The objective of this testing is to ensure that the functionality, usability, and performance of the Basirat website meet user expectations. Validate that all features and functionalities work correctly across different browsers and devices.

Scope 🔗

The test will cover all critical functionalities and features of the website, including but not

limited to:

- Homepage layout and content
- Navigate across different sections like home, Trainings, about us and contact us.
- Forms (Registration foam, contact form)
- Content display accuracy
- Responsiveness on various devices and screen sizes
- Browser Compatibility (Chrome,Firefox,Safari,Edge)

Approach 🔗

Manual testing will be primarily used due to the need of subjective evaluation of user experience and content accuracy.

Testing Types 🔗

Functional Testing: Ensure all website functionalities work as expected, including navigation, form submission, and contact features.

Usability Testing: Assess user experience and interface design to ensure ease of navigation and clarity of information.

Cross-Browser and Cross-Device Testing: Ensure the website works consistently and correctly across different browsers (Chrome, Firefox, Safari) and devices (desktop, tablet, mobile).

Performance Testing: Evaluate website responsiveness and load times to ensure optimal performance under various conditions.

Accessibility Testing: Ensures that a website or web application is usable by people with disabilities — including those with visual, auditory, motor, or cognitive impairments.

Resources 🔗

Human Resources 🔗

- Testing team consists of QA engineers.
- QA team lead to oversee testing activities.

Tools and Technology 🔗

- Utilize browser developers' tools for manual testing across different browser.
- Use mobile device emulators or real devices for testing on mobile platforms.

Test Environments 🔗

Test the website across various operating systems and browsers commonly used by the target

audience.

- Operating Systems: Windows, macOS, Linux
- Browsers: Chrome, Firefox, Edge, Safari

Timeline 🔗

Initial UI testing will be completed within one week to validate the design and user interface elements. Final testing and validation will be carried out closer to the website's launch to ensure it is fully ready for production deployment.

Reporting 🔗

Test Cases Execution Report 🔗

Provides information on the execution of test cases, including

- Pass/fail status
- Test case IDs
- Associated defects or issues encountered during testing

Defects Report 🔗

Contain details about the defect or issue discovered during testing, including:

- Description
- Severity
- Priority
- Steps to reproduce
- Status(open,resolved,closed)

Test Summary Report 🔗

Offers an overview of the testing activities conducted, including:

- Number of test cases executed
- Pass/fail rates
- Test Coverage achieved
- Overall assessment of the application's quality

Test Progress Report 🔗

Tracks the progress of testing activities throughout the project, including:

- Planned vs actual test execution
- Remaining working
- Milestones achieved
- Issues encountered

Test Coverage Report 🔗

Provides insights into the extent of testing coverage achieved, including:

- Areas of the website tested
- Types of testing performed
- Gaps or areas requiring additional testing

Defect Managment 🔗

Defects will be logged in a defect tracking system (e.g., Jira) with detailed descriptions, steps to reproduce, and severity classifications.

Entry/Exit Criteria 🔗

Entry Criteria 🔗

All development tasks related to the website must be completed and reviewed by the development team.

All features and functionalities should be implemented according to the requirements and design specifications.

Exit Criteria 🔗

Test completion criteria will be clearly defined, encompassing test coverage targets, acceptable defect resolution thresholds, and stakeholder approval. Before releasing the website to production, formal stakeholder sign-off will be secured to ensure that all quality benchmarks have been successfully met.