

Documentation of Xampro

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Test Plan Identifier:

Testing website Xampro (<https://www.xampro.org/>) TC_XPR_01

Introduction:

The testing strategy and processes for the Xampro website are documented in this test plan. The goal of this strategy is to guarantee that the website works as planned, is user-friendly, and satisfies the needs of its visitors. To ensure the website's dependability and stability, the testing procedure will include both functional and non-functional features.

Objective:

The following are the key goals of this test plan:

- Validate the Xampro website's functionality and features.
- Check the website's compatibility with various web browsers and devices.
- Examine the website's performance and responsiveness under varied loads.
- Ensure the website's security and protect against any vulnerabilities.
- Identify and report flaws for quick fix.

Scope:

The testing scope comprises the following items:

- All functional parts of the website, including code samples, templates, tutorials, and graphic assets, must be tested.
- Testing for cross-browser and cross-device compatibility.
- Performance testing under various traffic scenarios.
- Security testing to detect vulnerabilities such as SQL injection and others.
- Usability testing is performed to assess the user experience and interface.

Feature to be Tested:

All the functionalities that are ready to be released according to the requirement, needs to be tested. Among them some features to be tested include the following:

- Register in the website as a User (Student)
- Login in the website as a User (Student)
- As a user, navigate the website
- As a user, Add/remove courses to the cart
- As a user, Purchasing multiple courses for same User (Student)
- As a user, Contact support
- As a user, Select a exam package from IELTS packages
- As a user, Create a course package (IELTS)
- As a user, Complete Payment
- As a user, Update information in profile
- As a user, Add/Remove IELTS courses to favorites
- As a user, Change your password
- As an admin, Granting a refund
- As an admin, Fulfilling an order
- As an admin, Answering a support inquiry
- As an admin, Moderating reviews

Feature not to be Tested:

GRE exam packages no need to be tested as it's in the development phase.

Approach:

The testing approach will follow manual testing methods. Tests will be conducted per the documented test cases stored in Excel/Google sheet. The tester will execute the tests and mark each case as Pass / Fail / Skip. The tester should leave notes on actual results and any other relevant details when possible.

Testing Task:

The testing strategy involves the following steps:

- **Requirements Analysis:** To design test scenarios, understand and examine the requirements and features of the Xampro website.
- **Test Planning:** Prepare the test plan, including test objectives, scope, resources, and schedule.
- **Test Case Design:** Create detailed test cases that cover all functional and non-functional parts of the website.
- **Test Execution:** Perform test execution based on the test cases.
- **Defect Reporting:** Any defects discovered during testing should be documented and reported for resolution.
- **Regression Testing:** To ensure the website's reliability, need to do regression testing following any bug fixes or updates.

Environmental Needs:

- **Operating Systems:** Windows, macOS, Linux
- **Web Browsers:** Chrome, Firefox, Safari, Edge
- **Devices:** Desktop, Laptop, Tablet, and Mobile
- **Internet Connection:** High-speed internet for performance testing

Item Pass/Fail Criteria:

All essential system functionality should work as expected and as detailed in the individual test cases. There must be no major problems discovered, and an end user must be able to successfully complete a purchase cycle. 95% of all test cases should pass, and no failed cases should be critical to the application's usability.

Suspension Criteria:

Testing should be paused immediately if either system experiences login issues or failure in any basic CRUD (Create, Read, Update and Delete) actions. If any problems arise in purchasing a course or login issues testing should be paused until the issue is solved because these are critical functionalities for the Xampro website.

Test Deliverables:

The test run results will be kept in Microsoft Excel/Google Sheet after completed, and the test manager should then run a report for all completed tests.

Responsibilities:

The Test Manager oversees enabling the testing project, managing tester availability and timetable, and educating them as needed. Each tester should be aware of the deadlines and the expected level of quality. Any dangers should also be communicated to the team by the Test Manager.

Staffing And Training Needs:

Xampro offers various study related courses for IELTS & GRE. Tester needs to study it's Software Requirements Specification (SRS) so that testing would be flawless and no feature get left out without testing.

Test Schedule:

After the Xampro website completes its first build the website needs to do these following testing preferably within its required date.

Test Type	Start Date	End Date
Functionality		
Compatibility		
Performance		
Security		
Usability		
Regression		

Risks And Contingencies:

Potential risks during testing include:

- Delays in testing due to unforeseen technical issues.
- Issues regarding compatibility with specific browser versions.
- Security vulnerabilities that could affect user data.
- If the testers don't have a basic understanding of the Xampro website, testing could be delayed or not conducted properly.

Contingency techniques will be put in place to reduce the effect of these risks, and any difficulties that develop will be addressed as soon as possible.

Approval:

After both the test manager and product manager agree on completion of the testing project then it's okay to proceed onto the next step.