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| TEST PLAN  Project Name : Tutorial Ninja |
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***TUTORIAL***

***Ninja***

| **Prepared By : T. Swathi**  **Date : 05-02-2025** |
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**Test Plan**

| **Introduction** |
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This document briefly gives overall details about testing approach, strategies, planning and scope of **Tutorials Ninja** application. This document includes details of the scope of the project, objective, test schedule,resources allocation, risk & mitigation, test deliverables and report.

| **Objective** |
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* The objective of this test plan is to ensure the key features User Login,Logout and Language Selector functionalities on the Tutorials Ninja website.
* The testing will ensure that these features work as expected, meet user requirements, and function across different devices and browsers.

| **Scope** |
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### **This test plan covers differents testing those are**

* Functional testing of User Login,Logout and Language Selector.
* UI/UX testing to check proper alignment and responsiveness.
* Compatibility testing across different browsers and devices.
* Performance testing for login/logout response time and language switching speed.
* Usability testing to verify ease of use and user experience.

| **Testable Features** |
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1. Login-Logout
2. Language Selector

| **Test Environment Set-Up** |
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The test environment includes various operating systems, browsers, and network conditions to ensure comprehensive testing of login/logout and language selector functionalities.

* **Operating Systems:** Windows, Android
* **Browsers:** Chrome, Firefox, Edge
* **Devices:** Desktops, smartphones
* **Network Conditions:** 4G, Wi-Fi
* **Test Data:** Various user credentials and language preferences

| **Testing Tools and Resources** |
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### **Documents**

* Google Docs
* Google Sheets

### **Bug Tracking**

* Jira
* Ex:- Bugzilla

### **Test Management**

* Jira
* Zephyr

| **Entry and Exit Criteria** |
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**Entry Criteria**

* Requirements are finalized and approved.
* Test environment is set up and accessible.
* Test cases are reviewed and approved.
* Required test data is available.
* Development is completed, and the build is stable for testing.
* Necessary testing tools and resources are available.

**Exit Criteria**

* All planned test cases have been executed.
* All critical and high-severity defects are to be fixed and retested.
* Test execution results are documented and reviewed.
* Acceptance criteria for login/logout and language selector features are met.
* Test summary report is prepared and approved.

| **Risk and Mitigations** |
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| **Risks** | **Mitigation** |
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| Login security vulnerabilities may allow unauthorized access. | Implement security testing using OWASP standards and enforce strong password policies. |
| Slow login response time under high traffic conditions. | Conduct performance testing and optimize backend processes to handle increased loads. |
| Data loss or session issues when switching languages. | Validate persistence of selected language preferences and session data across different scenarios. |
| Browser-specific issues may prevent the language selector from working correctly. | Perform cross-browser testing to ensure compatibility across all supported browsers |

| **Test Deliverables** |
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1. Test Plan Document[ Doc’s]
2. Test Scenarios & Test Cases [Excel]
3. Bug Report [Excel]
4. Test Summary Report [Doc’s]

| **Roles and Responsibilities** |
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| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| Shiva Kumar | Test Lead | * **Allocating additional support resources.** * **Monitoring project progress.** * **Resolve communication issues and conflicts.** |
| Thoorpati Swathi | Test Engineer | * **Develop test plans, write test scenarios and cases then execute it.** * **And defect tracking.** |

| **Test Schedule** |
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| **Tasks** | **Time Duration** |
| --- | --- |
| Mind map creation | 05-02-2025 |
| Test Plan creation | 05-02-2025 |
| Test Scenario creation | 05-02-2025 |
| Test Cases creation | 06-02-2025 to 08-02-2025 |
| Test Case Execution/ Defect Tracking | 08-02-2025 |
| Test Summary Report submission | 09-02-2025 |

| **Acceptance Criteria** |
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| **Features** | **Acceptance Criteria** |
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| **User Login, Logout**  **Language Selector** | * Users should be able to log in with valid credentials. * Incorrect credentials should display an appropriate error message. * Users should remain logged in until they log out or the session expires. * Login functionality should work across different devices and browsers. * Logout should terminate the session and redirect to the login page. * Users should be able to select a language from the dropdown. * The selected language should persist across different pages and sessions. * UI should align correctly for different languages, including RTL languages. * Language changes should not affect user-generated content. * Switching languages should not cause page crashes or errors. |

| **Approvals** |
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**Approved By :** Shiva kumar sir **[masai]**