**TEST PLAN**

**Project name**: **"Tutorials Ninja" Demo Website**

**Test Plan Created By: Sourabh Kumar mishra**

#### **1. Objective**

The objective of this test plan is to define the approach and strategies for testing the "Tutorials Ninja" demo website. The goal is to verify that the website functions correctly, provides a smooth user experience, and meets the expected business and technical requirements across different platforms, devices, and browsers.To perform manual testing on the assigned features and document test scenarios, test cases, bugs, test plans, and other deliverables while uploading the findings into Jira.

#### **2. Scope of Testing**

**In-Scope Testing**

* **Functional Testing:** Verifying the core functionalities of the website, including Homepage Design and Navigation and Newsletter Subscription.
* **Usability Testing**: Ensuring the website is intuitive and easy to use, with a focus on the UI/UX design.
* **Compatibility Testing:** Ensuring the website works across various browsers (Chrome, Firefox, Safari, Edge) and mobile devices (iOS, Android).

#### **3. Test Environment**

**3.1 Hardware Requirements**

* **Desktops/Laptops:** Systems with at least 4GB RAM for testing purposes.
* **Mobile Devices:** iOS and Android phones and tablets for testing mobile responsiveness.

**3.2 Software Requirements**

* **Browsers:** Google Chrome, Mozilla Firefox, Microsoft Edge, Safari (latest versions).
* **Operating Systems:** Windows, macOS, iOS, Android.

#### **4. Testing Tools & Resources**

* **JIRA:** For project management and bug tracking tools.
* **Google Sheet and Google docs:** Write a test scenario,test cases,Bug report,Test execution and Test Plan
* **CrossBrowserTesting.com or BrowserStack:** For cross-browser testing.

#### **5. Test Deliverables**

1. **Test Plan Document:** The plan outlined in this document.
2. **Test Case Documents:** A detailed list of test cases for functional, performance, usability, and security testing.
3. **Test Execution Reports:** Detailed logs showing the results of each test case executed, with pass/fail status.
4. **Defects Report:** A list of identified defects during testing, including severity, status, and assigned team members for resolution.
5. **Test Summary Report:** A final summary report containing overall results, coverage, and the quality of the website post-testing.

#### **6. Risks and Mitigation**

**6.1 Risks**

* **Compatibility Issues:** The website may not function correctly on older browser versions.
* **Delays in Development/Defect Fixing:** Development may not address defects on time, delaying the test schedule.

**6.2 Mitigation Strategies**

* **Compatibility:** Use manual test on a variety of devices.
* **Defect Management:** Establish clear communication channels with the development team and prioritize critical issues.

#### **7. Entry and Exit Criteria**

**7.1 Entry Criteria**

* The website must be deployed on a test environment, with all necessary configurations in place.
* All critical functionalities must be developed and available for testing
* Test data must be available
* Test environment setup must be complete and stable.

**7.2 Exit Criteria**

* All high-priority test cases must pass successfully.
* All critical and high-severity defects identified must be fixed and retested.
* Final test summary report delivered, showing a clear pass/fail result for the website’s readiness for launch.

**8.Roles and Responsibilities**

| **Role** | **Responsibilities** |
| --- | --- |
| QA Engineers | Create Test plan,Test cases,Execution Test cases,Bug report and Summary report. |
| Developers | Fix defects reported by QA, assist in environment setup and troubleshooting issues. |
| Product Owner | Define test criteria, approve test results, and prioritize defects for resolution. |
|  |  |

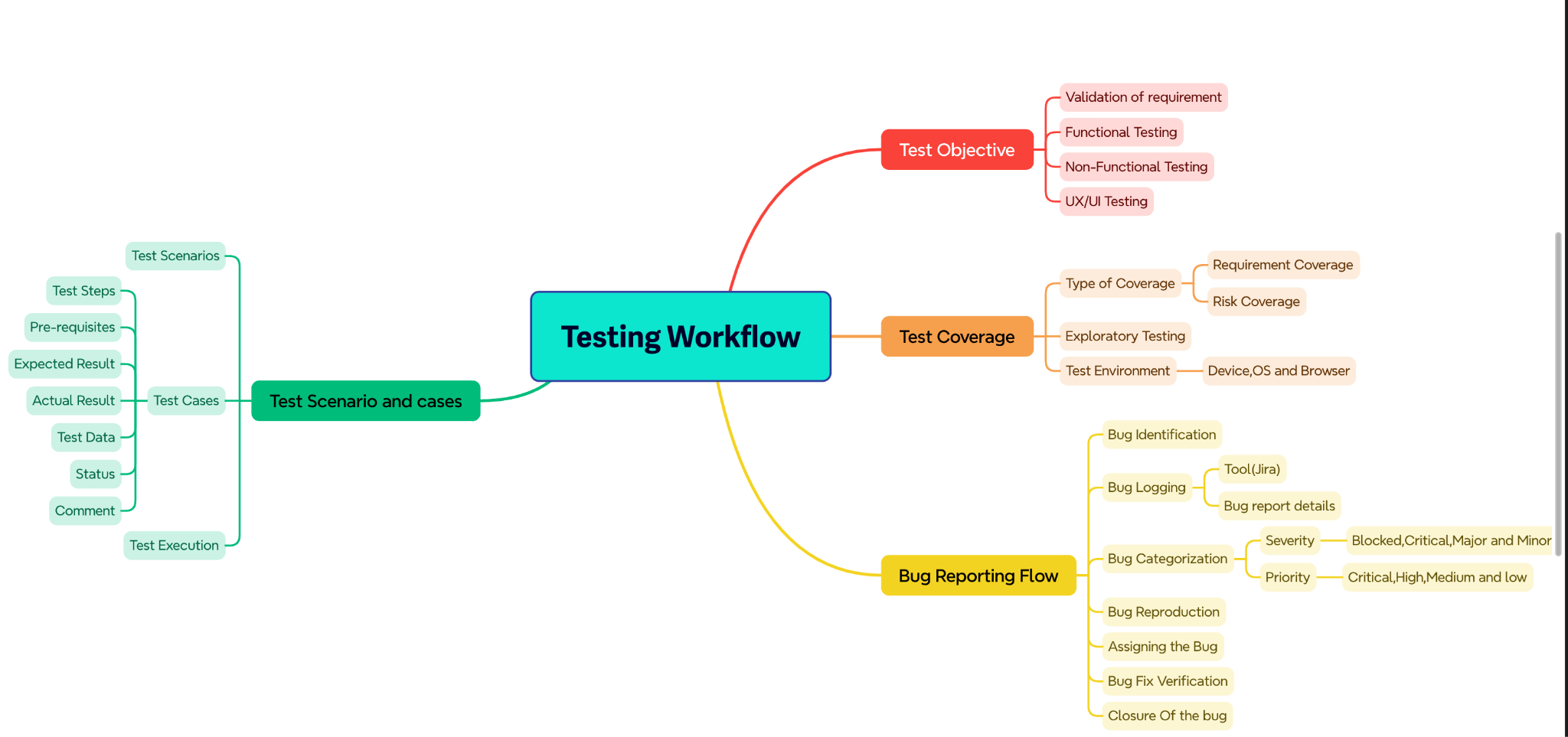
**9. Test Schedule**

| **Tasks** | **Start Date** | **End Date** | **Responsible** |
| --- | --- | --- | --- |
| TEST PLAN | 28-01-2025 | 28-01-2025 | QA team |
| TEST CASE AND DESIGN | 29-01-2025 | 30-01-2025 | QA team |
| TEST EXECUTION | 30-01-2025 | 31-01-2025 | QA team |
| BUG REPORT | 1-02-2015 | 1-02-2025 | QA team |
| SUMMARY REPORT | 2-02-2025 | 2-02-2025 | QA team |
| Final Report & Sign-off | 3-02-2025 | 4-02-2025 | TEST MANAGER |

#### **10. Acceptance Criteria**

* **Functionality:** All key functionalities such as Homepage Design and Navigation
* **Usability**: Navigation should be intuitive, and users should be able to easily find information and complete actions like purchases or account creation.
* **Cross-Browser Compatibility:** The website must work seamlessly on all supported browsers (Chrome, Firefox, Safari, Edge) and mobile devices (Android, iOS).

**11.Create a Mind Map using a (Xmind)**

****