**1. Introduction**

This test plan aims to validate the functionality, security, and user experience of the **Sign-in** page on the **XaltS Portal** website. The Sign-in page allows users to access their accounts using their registered email and password. Testing will ensure the page works correctly, is secure, and provides a good user experience.

**2. Test Objectives**

* Verify that all required elements of the Sign-in page are present and functional.
* Ensure users can successfully sign in with valid email and password.
* Validate the error messages for incorrect email, password, and other edge cases.
* Ensure that the system securely handles user credentials.
* Test for responsiveness and cross-device compatibility.
* Verify that link "Sign Up" work properly.

**3. Scope**

The scope includes testing of:

* Email and password field validations
* Sign-in button functionality
* Error handling for invalid inputs
* Usability and responsiveness on different devices and browsers
* Security considerations like input encryption
* Link navigation of Sign-up button.

**4. Features to be Tested**

* **UI Elements:**
  + Email field
  + Password field
  + Sign-in button
  + Sign-up link
* **Form Validation:**
  + Email format validation
  + Password length/complexity validation (if applicable)
  + Field completion checks (required fields)
* **Sign-in Functionality:**
  + Successful login with valid credentials
  + Handling incorrect email/password combinations
  + Display of error messages (e.g., incorrect credentials, empty fields)
* **Security:**
  + Password encryption
  + Secure HTTP connection (HTTPS)
* **Links:**
  + "Sign Up" link should redirect to the sign-up page

**5. Test Cases**

Refer Sign-In sheet in “Nayana Thakur TestCases Xalts.xlsx”

**6. Test Environment**

* **Operating Systems**: macOS, iOS
* **Browsers**: Google Chrome
* **Devices**: Laptop, Mobile

**7. Resources and Roles**

* **Testers**: QA Team
* **Tools**: Chrome browser, Selenium (for automation)

**8. Risks and Mitigation**

* **Risk**: User credentials are not securely transmitted or stored.
  + **Mitigation**: Ensure the page uses HTTPS and that passwords are hashed and salted on the server.
* **Risk**: Unclear error messages could confuse users.
  + **Mitigation**: Provide detailed error messages and ensure they are user-friendly.

**9. Conclusion**

This test plan ensures that the Sign-in page for **XaltS Portal** is fully functional, secure, and compatible across different devices and browsers. It covers all critical aspects such as field validations, successful and failed sign-ins, link functionality, security, and overall user experience.