**1. Introduction**

This test plan is designed to ensure the functionality, security, and user experience of the **Sign-up** page on the **XaltS Portal** website. The Sign-up page will allow users to create new accounts and gain access to the services provided on the platform.

**2. Test Objectives**

* Verify that all sign-up page elements are present and functional.
* Ensure the user can successfully create a new account by entering valid data.
* Verify that the system handles invalid data and error messages appropriately.
* Ensure the security and privacy of the data entered by users.
* Ensure that the Sign-up page is responsive and functional across multiple devices and browsers.

**3. Scope**

The scope of testing includes the following:

* Functionality testing of the Sign-up page.
* Usability testing of the Sign-up page.
* Validation of error handling.
* Security testing for input fields.
* Verification of visual UI elements.

**4. Features to be Tested**

* **Field Validations:**
  + Email (valid email format)
  + Password (length, complexity, and match confirmation)
* **UI Elements:**
  + Form fields (Email, Password)
  + Submit Button
  + Error/Success messages
  + Visual layout (text alignment, colour scheme)
* **Form Submission:**
  + Successful submission with valid data
  + Validation and error messages for incorrect or missing input
  + Check for missing required fields
* **Password Validation:**
  + Verify minimum length of password
  + Ensure complexity (e.g., mix of upper, lower, numbers, special characters)
* **Email Verification:**
  + Validate ema
  + il format and prevent invalid emails
* **Mobile Responsiveness:**
  + Verify that the Sign-up page is responsive across various devices (mobile, desktop)

**5. Test Cases**

Please refer Sign-Up 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 testing)

**8. Risks and Mitigation**

* **Risk**: Invalid form input may not be properly handled
  + **Mitigation**: Review backend validation and ensure front-end validation is working properly.
* **Risk**: Inconsistent behaviour across devices/browsers
  + **Mitigation**: Test on multiple browsers and devices to ensure compatibility.

**9. Conclusion**

This test plan covers the functional, usability, and security testing of the Sign-up page on the XaltS portal. It aims to ensure that users have a seamless experience while creating accounts and that all validation and error-handling processes are in place to prevent incorrect data submission.