|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Test Plan for Register Functionality of TutorialNinja Application** | | | | | | | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **1. Objective** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | To ensure that the registration functionality in the TutorialNinja application works as expected, allowing new users to create accounts without issues. | | | | | | | | | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **2. Scope** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | The test plan covers various aspects of the registration process, including input validation, user interface, functionality, usability, and security. | | | | | | | | | | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **3. Features to be Tested** | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Registration Form UI: Verify that the registration form is displayed correctly with all necessary fields. | | | | | | | | | |  |  |  |  |  |
|  | Input Field Validation: Ensure that each input field validates the entered data appropriately. | | | | | | | | |  |  |  |  |  |  |
|  | Error Messages: Check that appropriate error messages are shown for invalid inputs. | | | | | | | |  |  |  |  |  |  |  |
|  | Successful Registration: Confirm that a user can successfully register with valid data. | | | | | | | |  |  |  |  |  |  |  |
|  | Database Updates: Verify that the user details are correctly stored in the database upon successful registration. | | | | | | | | | | |  |  |  |  |
|  | Email Verification: Check if an email verification link is sent after registration. | | | | | | | |  |  |  |  |  |  |  |
|  | Security: Ensure that passwords are stored securely and registration is protected against common vulnerabilities (e.g., SQL injection, XSS). | | | | | | | | | | | | |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **4. Test Environment** | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Browser: Chrome, Edge | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Devices: Desktop, Mobile (Android) | | | |  |  |  |  |  |  |  |  |  |  |  |
|  | Operating Systems: Windows 11, (Android) | | | |  |  |  |  |  |  |  |  |  |  |  |
|  | Test Data: | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | - Valid Data (e.g., standard email format, strong password) | | | | | |  |  |  |  |  |  |  |  |  |
|  | - Invalid Data (e.g., incorrect email format, weak password) | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **5. Entry and Exit Criteria** | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Entry Criteria: | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | - Registration page is accessible. | | | |  |  |  |  |  |  |  |  |  |  |  |
|  | - Test environment is set up. | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | - Test data is prepared. | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Exit Criteria:** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | - some test cases are executed. | | | |  |  |  |  |  |  |  |  |  |  |  |
|  | There are some major defect which is mentioned in bug report | | | | | |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Assumptions:** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | - All dependencies are available before the start of testing. | | | | | |  |  |  |  |  |  |  |  |  |
|  | - Test data is valid and accessible. | | | |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **6. Approval** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Prepared by: [Samsher singh] | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Approved by: [ ] | |  |  |  |  |  |  |  |  |  |  |  |  |  |