**Overview**

This document outlines the manual testing process for the sign-up form, focusing on various test scenarios including boundary testing, password requirements, and form resubmission.

**Objectives**

* Ensure all fields and functionalities in the sign-up form work as expected.
* Validate both positive and negative scenarios.
* Confirm compliance with specified password requirements.
* Check for proper handling of form resubmission attempts.

**Scope**

The scope includes testing the following aspects:

* Form field validations
* Password requirements
* Error messaging
* Form resubmission prevention
* Boundary testing for input fields

**Test scenarios:**

1. Valid Sign-Up considering all fields completed:

Enter valid data in all required fields (First name, Last name, Email and Password)

**Scenario**: Successful sign-up with all required fields completed

Given on the sign-up page

When user fills the "First Name" field with "Name"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "name.surname@gmail.com"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs " checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see a confirmation message

And user should receive a confirmation email

1. Valid Sign-Up with Various Email Providers:

Use different valid email addresses from common providers (e.g., Gmail, Yahoo, Outlook).

**Scenario**: Successful sign-up with different email providers

Given on the sign-up page

When user fills the "First Name" field with "<Name>"

And user fills the “Last Name" field with “<Surname>”

And user fills the "Email" field with "<Email>"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see a confirmation message

And user should receive a confirmation email

1. Valid Password Meeting All Requirements:

Enter a password which meets all specified criteria (1 number, 8 character long, 1 Special character, 1 uppercase, 1 lowercase)

**Scenario**: Successful sign-up with valid password

Given on the sign-up page

When user fills the "First Name" field with "Name"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "name.surname@example.com"

And user fills the "Password" field with "Complex@123"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the " TRIAL SIGN UP" button

Then user should see a confirmation message

And user should receive a confirmation email

1. Missing Required Fields

Attempt to submit the form with one or more required fields left blank

**Scenario:** Sign-up with missing required fields

Given on the sign-up page

When user fills the "Email" field with "no.name@example.com"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "First Name and Last Name is required"

And the form TRIAL SIGN UP button is disabled

1. Invalid Email Format

Enter an email address with an invalid format (e.g. missing ’@’, no domain)

**Scenario:** Sign-up with invalid email format

Given on the sign-up page

When user fills the "First Name" field with "Invalid Email"

And user fills the “Last Name" field with “Invalid Email”

And user fills the "Email" field with "invalid-email"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "Invalid email address format"

And the form TRIAL SIGN UP button is disabled

1. Weak Password

Enter a password that does not meet the required criteria (too short, lacks special characters, etc.)

**Scenario:** Sign-up with weak password

Given on the sign-up page

When user fills the "First Name" field with "Name"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "weak.password@example.com"

And user fills the "Password" field with "12345"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "Password does not meet requirements"

And the form TRIAL SIGN UP button is disabled

1. Already registered email address

Attempt to sign up with an email address that is already registered

**Scenario:** Sign-up with already registered email

Given on the sign-up page

When user fills the "First Name" field with "Name"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "duplicate.email@example.com"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "Email is already registered"

And the form TRIAL SIGN UP button is disabled

1. Exceeding Character limit

Enter data in fields that exceed the maximum character limit(if any)

**Scenario**: Sign-up with exceeding character limits

Given on the sign-up page

When user fills the "First Name" field with "A very long name that exceeds the maximum allowed character limit"

And user fills the "Last Name" field with "A very long name that exceeds the maximum allowed character limit"

And user fills the "Email" field with "long.name@example.com"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "First Name and Last Name exceeds maximum character limit"

And the form TRIAL SIGN UP button is disabled

1. Invalid Characters in First name field

**Scenario**: Sign-up with invalid characters in name fields

Given on the sign-up page

When user fills the "First Name" field with "Name123"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "name123@example.com"

And user fills the "Password" field with "Password123!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "Invalid characters in First Name"

And the form TRIAL SIGN UP button is disabled

1. No Acceptance of Terms and Conditions

Attempt to submit the form without accepting the Terms and Conditions

**Scenario:** Attempt to submit the form without accepting the terms and conditions

Given on the sign-up page

When user fills the "First Name" field with "Name"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "john.doe@example.com"

And user fills the "Password" field with "Password1!"

And user do not check the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see an error message "You must accept the terms and conditions to proceed"

And the form TRIAL SIGN UP button is disabled

1. Minimum and maximum Boundary testing

Enter minimum and maximum allowed values for each field (e.g., shortest and longest valid passwords).

Minimum Boundary for Password

**Scenario**: Sign-up with minimum length password

Given on the sign-up page

When user fills the "First Name" field with "Min Test"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "min.test@example.com"

And user fills the "Password" field with "Aaa!5678"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see a confirmation message

And user should receive a confirmation email

Maximum boundary for Password

**Scenario:** Sign-up with maximum length password

Given on the sign-up page

When user fills the "First Name" field with "Max Test"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "max.test@example.com"

And user fills the "Password" field with "A1a!56789012345678901234567890"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see a confirmation message

And user should receive a confirmation email

1. Form resubmission

Attempt to resubmit the form after a successful submission (e.g., via browser back button).

**Scenario:** Attempt to resubmit the form after a successful submission

Given on the sign-up page

When user fills the "First Name" field with "Name"

And user fills the “Last Name" field with “Surname”

And user fills the "Email" field with "name.surname@example.com"

And user fills the "Password" field with "Password1!"

And user click on the "Agree to T&Cs" checkbox

And user click on the "I’m not a robot” checkbox

And user click on the "TRIAL SIGN UP" button

Then user should see a confirmation message "Sign-up successful"

And user should receive a confirmation email

When user navigate back to the sign-up page using the browser back button

And user click the "Submit" button again

Then user should see an error message "Form resubmission is not allowed"

And the form should not be submitted again

**Documentation**

* Record observed behavior for each scenario.
* Note any discrepancies or errors.
* Take screenshots where necessary.

**Analysis**

* Compare observed results with expected outcomes.
* Identify and document any bugs or issues.

**Expected Outcomes**

* All positive test scenarios should result in successful form submission and confirmation message.
* All negative test scenarios should display appropriate error messages without form submission.
* Boundary tests should validate proper handling of minimum and maximum input lengths.
* Form resubmission attempts should be blocked with a relevant error message.

**Identified Issues**

1. ‘Confirm Password’ field is missing.
2. Character limit is not set on First name and Last name fields.
3. Validation Errors are missing for first name, Last name and Password.
4. Validations missing for Invalid characters for first name and last name.
5. User is not able to differentiate between mandatory and optional field.

Mandatory fields should have ‘\*’ as all fields are mandatory.

1. Error not displayed if ‘T&Cs’ checkbox is not checked.