

Technical Exam: Datacom

Endpoint: <https://qa-practice.netlify.app/bugs-form>

CHALLENGE - Spot the BUGS!

Feature: Netlify Registration Form Page

Defects or Bugs from Exploratory Testing and Test Automation Results

1. Name fields accepts numeric and special characters
2. **First Name field should be mandatory**
 - Assumption: First Name should be mandatory, but since there is no explicit requirement. ⇒ "for confirmation with the business"
3. Phone number Field Label text is wrong
4. Phone Number field accepts alphanumeric/special characters
5. Country dropdown occupies/overflow outside of the browser viewport
6. Country value in the Results Section displays incorrect spelling for options with double succeeding letters. e.g.
 - Philippines ⇒ Phillipines
7. Email address field does not validate correct email format
8. **Email Address field length does not have a max limit**
 - Assumption: Based on prior experience, data like email address should have max limit of characters, since when saved in the db, this column will have a max accepted value.
9. Password field does not allow 20 characters
 - Assumption: As specified in the description below, password length can be from 6 to 20 characters i.e. [6,20]. ⇒ "for confirmation with the business"

10. Password field description below is confusing, lower inclusive upper limit is exclusive.
11. Terms and Conditions check box does not become enabled even after populating all the (*) mandatory fields
12. Register field is always enabled despite no field is populated.
13. User can successfully register with only Phone Number and Password fields populated.
14. Leaving Mandatory Fields empty does not inform user visually.
 - Assumption: Can be improved, but can also be as designed by the overall application UI/UX. ⇒ "for confirmation with the business"
15. Phone number is allowed to have combination of alphabet and numeric characters.
 - Only the + symbol alongside numeric characters should be allowed per my prior experience.
 - Can be improved by informing end user on the expected phone number format.
16. Last name value' last character in the Results section is getting trimmed
17. Phone Number value in the Results section increments by 1.
18. Success Message is in red color - which usually indicates an error.
 - Based on my prior experience, success messages should rarely, if ever, be displayed in red, as red is typically associated with errors.
19. Some label elements in the HTML document returns unexpected label id attributes.
 - `<label for="lastName">Country</label>`
 - `<label for="lastName">Phone number*</label>`

Test Scenarios

First Name

1. First Name field - should accept alphabet characters
2. First Name field - should not be blank
3. First Name field - should not accept numeric characters
4. First Name field - should not accept special characters
5. First Name field - should not accept only white spaces
6. First Name field - should not be more than 100 alphabet characters
7. First Name field - should not be less than 2 alphabet characters
8. First Name field - should accept alphabet strings separated by white space
9. First Name field - should not accept combination of alphabet/numeric/special characters

Last Name

1. Last Name field - should accept alphabet characters
2. Last Name field - should not be blank
3. Last Name field - should not accept numeric characters
4. Last Name field - should not accept special characters
5. Last Name field - should not accept only white spaces
6. Last Name field - should not be more than 100 alphabet characters
7. Last Name field - should accept alphabet strings separated by white space
8. Last Name field - should not accept combination of alphabet/numeric/special characters

Phone Number field

1. Phone Number field - should only accept numeric characters and a + special character in the front

2. Phone Number field - should not be blank
3. Phone Number field - should not accept alphabet characters
4. Phone Number field - should not accept special characters
5. Phone Number field - should not accept combination of alphabet/numeric/special characters
6. Phone Number field - should not be less than 10 numeric characters
7. Phone Number field - should allow 10 numeric characters
8. Phone Number field - should allow more 10 numeric characters

Country

1. Country Field - should display the Name of selected country

Email

1. Email field - should only accept email format
2. Email field - should not allow only alphabet characters
3. Email field - should not allow only numeric characters
4. Email field - should not allow only special characters
5. Email field - should not allow white spaces only
6. Email field - should not allow more than 1 email format
7. Email field - should not be blank

Password field

1. Password field - should allow a combination alphanumeric and special characters with 20 max characters
2. Password field - should allow a combination alphanumeric and special characters with 6 min characters

3. Password field - should allow a combination alphanumeric and special characters with 10 characters
4. Password field - should allow a combination alphanumeric and special characters with more than 6 and less than 20 characters
5. Password field - should not allow a combination alphanumeric and special characters with more 20 characters
6. Password field - should not be blank

Terms and Condition:

1. Terms and Condition checkbox - should be enabled and clickable once all mandatory fields are populated (i.e. LastName, Phone Number, Email Address, Password is populated)
2. Terms and Condition checkbox - should be enabled and clickable when all fields are populated
3. Terms and Condition checkbox - should be disabled when not all mandatory fields are populated.

Register button

1. Register button - should be disabled when not all mandatory fields are populated.
2. Register button - should be disabled when all mandatory fields are populated and the terms and condition checkbox is still unchecked
3. Register button - should be enabled when all mandatory fields are populated, and the terms and condition checkbox is also checked.

Success/Error Banner

1. Success Message "Successfully registered the following information" should be returned when successful form submission is made.
2. Relevant Field Error should be returned for incorrect mandatory fields.

Successful Registration Details

1. Entered First Name, Last Name, Phone Number, Country and Email details should be displayed at the bottom area of the page upon successful submission with correct values.