

# JS Challenges - Level 2

IND

## 1. Welcome User

1. Create a textbox, where user will enter his/her name.
2. Create a button.
3. On clicking the button, an alert should pop up welcoming the user displaying the following:
  - a. User's name, as entered in the text box.
  - b. Prefixed by 'Welcome, '.

So If a user types 'Peter' in the textbox and click the button, The alert should display 'Welcome, Peter'.

## 2. Basic Name validation

1. Keep the UI and Logic of previous task.
2. Now before welcoming the user, we need to check if the username is properly given.
3. Check if the first letter of the name is an alphabet.
  - a. If yes, welcome the user as in previous task.
  - b. If no, display an alert, 'user name should start with an alphabet'

## 3. Basic Name validation - 2

4. Keep the UI and Logic of previous task.
5. Now let's add another rule to get proper username.
6. Check if the length of the username entered in textbox is atleast 3.
  - a. If yes, welcome the user as in previous task.
  - b. If no, display an alert, 'user name should have atleast 3 characters.'

## 4. Form Validation

Have a form as follows. Textbox should come in the place of underlines

Username: \_\_\_\_\_

Password: \_\_\_\_\_

Email: \_\_\_\_\_

Age: \_\_\_\_\_

**Submit | Reset**

Clicking Reset would empty all the fields.

Clicking Submit would evaluate the fields as follows and shows a message in popup alert.

1. When any field is empty, it throws a message 'Please fill the [username/password/email/age] field'.
2. Username should start with a alphabet and should be atleast 5 characters in length. When this rule is not satisfied, corresponding message is shown.
3. Password field should be 6 characters in length, and should contain both number and characters. When this rule is not satisfied, corresponding message is shown.
4. Email field should in the following format: [characters]@[characters].[characters]. When this rule is not satisfied, corresponding message is shown.
5. Age should be a number between 10 and 90. When this rule is not satisfied, corresponding message is shown.
6. When all rules are satisfied, 'Form validation - success' message should be shown.

## 5. Real time Field Validation

1. Create a textbox, where user will enter his/her name.

2. As the user types in the textbox, any one of the following message should appear below the textbox:
  - c. `User name should start with an alphabet`, when the text value doesn't start with an alphabet.
  - d. `User name should have at least 3 characters`, when only one or two characters in typed.
  - e. `User name is correct`, when minimum of 3 characters are typed and the first character in an alphabet.

## 6. Dynamic Form validation

Same form and rules as previous challenge. With following additions:

1. Validation should happen in real time, as and when characters are typed in each field.
2. Instead of the showing the messages in popup, corresponding message is shown next to the textbox.
3. When a field doesn't pass the rules, it should have a red border.

Demo Link: <http://formvalidator.net/#reg-form>

- Refer the `password` field in that link.
- As and when the characters are typed, the strength of the password is shown as `weak`, `strong`.
- Similarly, when the cursor is placed in the text field, validation should happen and corresponding message be shown next to the text field.
- So initially when the cursor is placed in the text field, it would have the red border and shows the rule to be satisfied (like Username should have atleast 5 characters)
- The validation rules for all fields are as defined in Challenge No. 3. The above demo form is just for the reference of how the validation message should appear.