Forms and validation-

Form validatation - Ensures the data is valid and conforms to defined rules
Two methods of form validation
    1) Client-side validation
    2) Server side validation

1) Client-side validation - Starts by checking if a form has been filled out correctly.
    If there are no errors, the form will be submitted to the server for processing.
- However if there are errors, an error message will alert the user of the invalid data and how to change if for successfull submission.

2) Server side validation - Checks for errors after the data has been submitted to the web server.
- Server side validation is more secure because if prevents malicious users from tampering with our website's code and submitting invalid data to our server.
- When the form data is received by the web server the backend will validate the data before processing it

Input type :- ① Button
② Checkbox
③ Radio
④ Submit
⑤ Text
⑥ Password
⑦ Date
⑧ Datetime - local
⑨ Email
⑩ File
⑪ Hidden
⑫ Image
⑬ Number
⑭ Range
⑮ Reset
⑯ Search
⑰ Time
⑱ Tel
⑲ Url
⑳ Week
㉑ Month

Inteactive form elements -
① Required
② Maxlength
③ Minlength
④ Min and max attribute
⑤ Multiple
⑥ Pattern.

Submit -

Action and method - Form submission are essential part of the www. Nearly every website uses forms from buying item online to ordering food for delivery. When we click the login button on a website, it sends our username and password to a web server to log you into an account.

```
<form >              </form>
```

The method attribute specifies which HTTP method is used to submit the form

GET   or   POST

```
<form method = "get" >        </form>
<form method = " post >        </form>
```