Web Architecture

Client

```
- Machine which is having the browser.
- The user who is using the browser for browsing the website
e.g
    desktop
    mobile
```

Browser

```
It is a special application which is used to browse websites
uses URL to browse a website

- URL
    - Uniform Resource Locator
    - Resource: any file that is hosted (copied) on the server machine
    - e.g
        - https://www.google.com
        - http://192.168.0.1
        - http://locahost:8080
        - http://mysite.com/myfile.php?username=user&address=ngp
    - every url follows a pattern
```

Component

```
- Scheme
    - The protocol  that will be used while communication
    - e.g http, ftp, file, https
    - Default it is http ot https

- Domain name  or IP address
    - The way to find the machine uniqely ove the network
    - e.g
        - google.com , apple.com
        - 142.250.67.68

- Port number
    - Port number of the web server running on the server machine
    - If you missed to write port number
        - 80 for http
        - 443 for https
```

- Query string
    - Used to pass your user data
    - It always starts with ?
    - e.g
        ?username=user&address=ngp