

Concepts and Issues, Latest Trends in Web Technologies

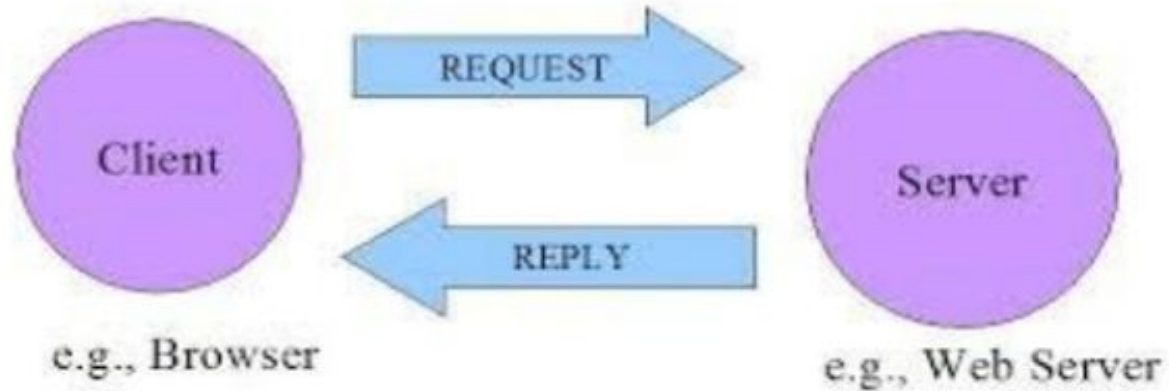
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→ Concept:

- *"Web technology can be defined as technology that requires browser to use different applications on the web."*
- *We technology is basically based on two things **SERVER** and **CLIENT**.*
- *Web technology is an establishment that is responsible for communication and sharing of resources of computers.*
- *They provide the infrastructure for an effective computer network like LAN, MAN & WAN.*

Communication on web



A very simplified view of web technology

Steps involved in Web technology

1. Creating a page - HTML.
2. Styling page - CSS/ CSS library e.g. Bootstrap by twitter or foundation
3. Animation or validation or get data or post data - JavaScript or JavaScript framework e.g. JQuery etc.
4. Server side - to perform action on server. - Node js, c# (if you are using [asp.net](#)) etc.
5. Unit testing framework- mocha or jasmine.
6. Database - mongo DB, PostgreSQL etc.
7. Authentication - Facebook, google, twitter or email.
8. Deployment server - Heroku, Azure by Microsoft ,AWS by amazon etc

All the above technologies constitute to form WEB TECHNOLOGIES.

→ Issues

- ★ **USER INTERFACE AND USER EXPERIENCE**
- ★ **SCALABILITY**
- ★ **PERFORMANCE**
- ★ **KNOWLEDGE OF FRAMEWORK AND PLATFORMS**
- ★ **SECURITY**

→ Trends

- ❖ Modular design and lower development costs
- ❖ Responsive design and the rise of mobile users
- ❖ Chatbots and customer support
- ❖ Accelerated mobile pages and load speed
- ❖ Voice search optimization
- ❖ API-first design and streamlined workloads
- ❖ Motion UI and suffering attention spans
- ❖ Artificial intelligence and cybersecurity

Thank You

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