



WEB DEVELOPMENT

- FrontEnd Development
- BackEnd Development
 - Databases
- Hosting and Cloud



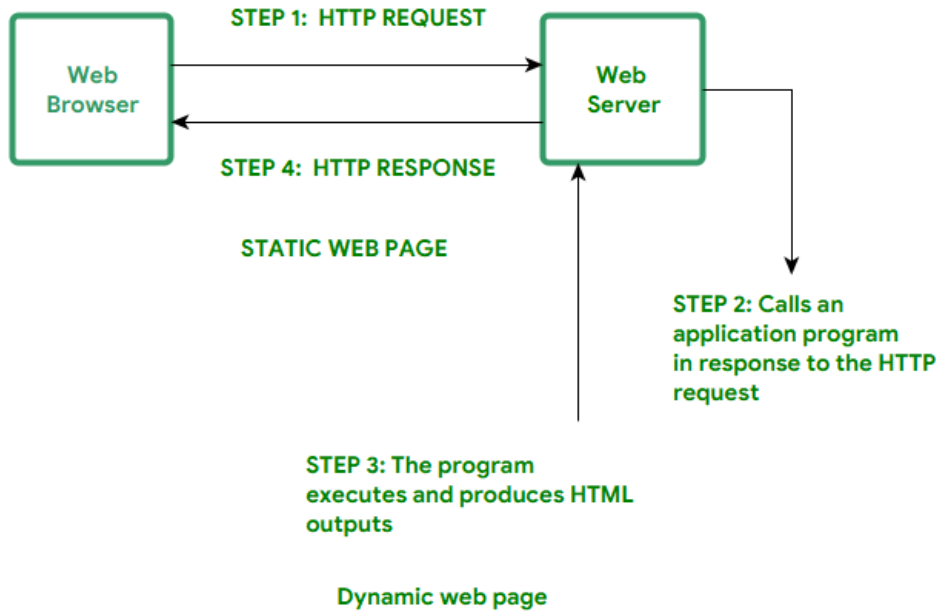
FRONTEND DEVELOPMENT

Details

- **Front-end web development** is the practice of converting data to a graphical interface, through the use of HTML, CSS, and JavaScript, so that users can view and interact with that data.
- It consist of UI/UX designing, Content Writing, Web Designing, Planning, Editing and testing.
- Roadmap to learn frontend development-
<https://roadmap.sh/frontend> <https://www.w3schools.com/whatis/>
- Important technical skills required in frontend development -
 1. HTML is a markup language, CSS is the style sheet language, and JavaScript is actually the only language among them that can be considered a real programming language.
 2. HTML is the key structural component of any website, and CSS works as the styling part. while JavaScript determines the function of its elements.
 3. **Responsive design-** CSS Media Queries, Bootstrap
 4. Creativity and Soft-skills.

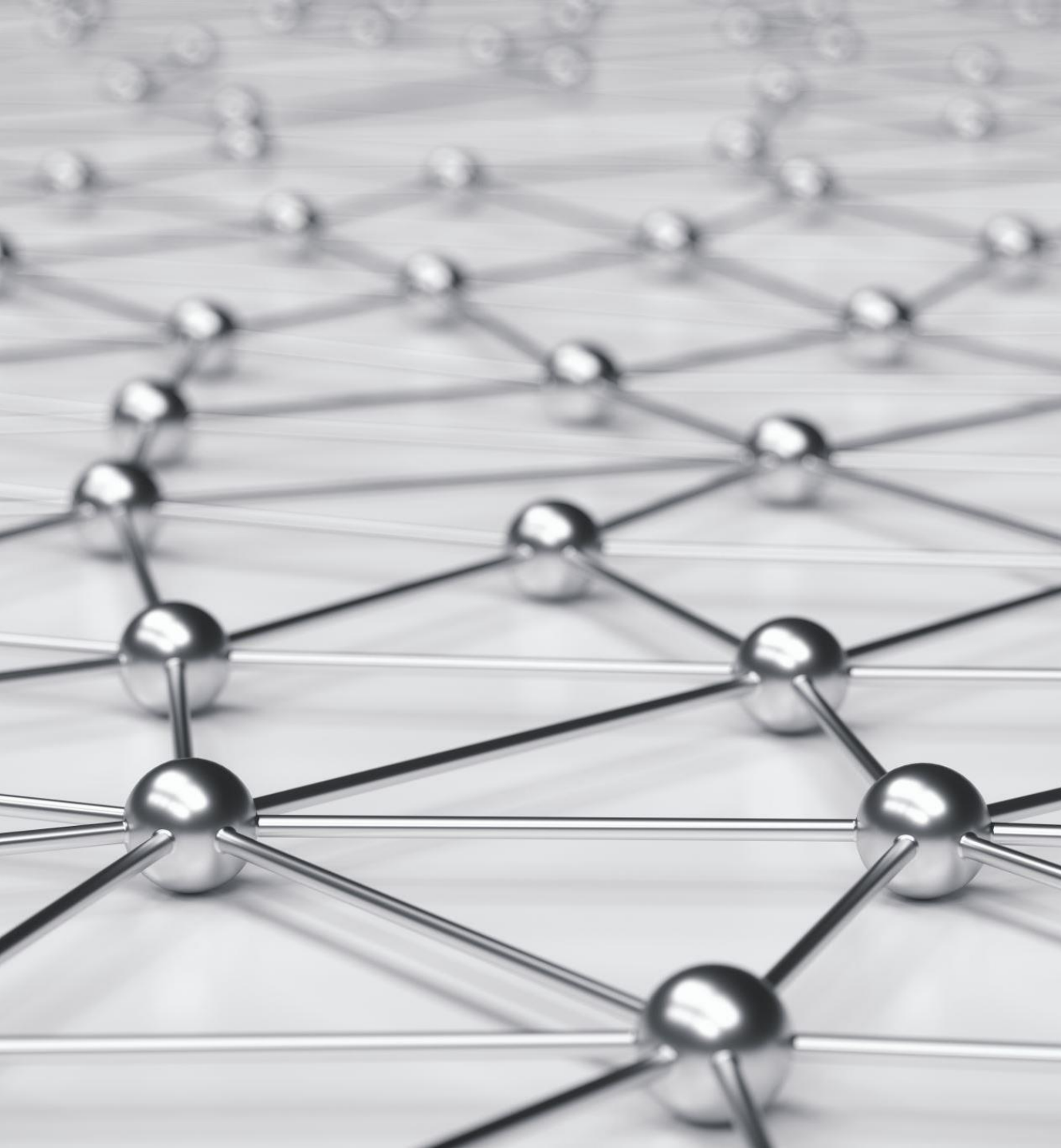
Some Key Points

- **Responsive Web** - Responsive web design (RWD) is a web development approach that creates **dynamic changes** to the appearance of a website, **depending on the screen size and orientation** of the device being used to view it. The **same HTML is served to all devices**, using CSS (which determines the layout of webpage) to change the appearance of the page. Rather than creating a separate site and corresponding codebase for wide-screen monitors, desktops, laptops, tablets and phones of all sizes, a single codebase can support users with differently sized viewports.
- **Static Web pages** - Static Web pages are very simple. It is written in languages such as HTML, JavaScript, CSS, etc. For static web pages when a server receives a request for a web page, then the server sends the response to the client without doing any additional process. And these web pages are seen through a web browser. In static web pages, Pages will remain the same until someone changes it manually.



Some Key Points

Dynamic Web Pages - Dynamic Web Pages are written in languages such as ReactJS, Angular, AJAX, ASP, ASP.NET, etc. In dynamic web pages, the Content of pages is different for different visitors. It takes more time to load than the static web page. Dynamic web pages are used where the information is changed frequently, for example, stock prices, weather information, etc.



Resources to learn

- <https://www.w3schools.com/html/default.asp> - HTML
- <https://www.w3schools.com/css/> OR https://www.udemy.com/course/css-the-complete-guide-incl-flexbox-grid-sass/?ranMID=39197&ranEAID=JVFxdTr9V80&ranSiteID=JVFxdTr9V80-zrtJ5PXftQuIzMF2QfcJSg&LSNPUBID=JVFxdTr9V80&utm_source=aff-campaign&utm_medium=udemyads - CSS
- <https://medium.com/javarevisited/10-best-online-courses-to-learn-javascript-in-2020-af5ed0801645> - Javascript
- <https://getbootstrap.com/> - Bootstrap
- <https://reactjs.org/> - Reactjs

EXPLORE, SREACH,
LEARN AND BUILD
THANKS.

