

Topic: Full Stack Web Development Course Roadmap

There are two parts of Full Stack Web development:

- ① Front-End Development or Web Design.
- ② Back-End Development or Web Development

① Front-End Development:

Front-end 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.

① HTML (ver-5):

- HTML stands for Hyper Text Markup language.

- It is the standard markup language for web pages .
- It is the building blocks of HTML pages.
- HTML elements are represented by < > tags .

② CSS (ver-3) :

- CSS stands for Cascading Style Sheets .
- It describes how HTML elements are to be displayed on screen, paper etc in other media .
- It saves a lot of work. It can control the layout of multiple web pages all at once .

③ Bootstrap : (ver-4)

- It is a free and open-source CSS framework directed at responsive, mobile-first front end web development. It contains CSS and JavaScript based design templates for typography, forms, buttons, navigations and other interface components.

④ JavaScript / JQuery (ver-3.4) :

- JavaScript is the programming language of HTML and the web.

- It allows a developer to implement complex features on web pages.

- In short, it reflects the behaviour of the website.

⑤ WordPress:

- It is a content management system that originated as a blogging tool .
- It runs on PHP and MySQL database .
- Design elements are packaged as 'themes' , since content and design are separate .
- One need only to install a new theme to get a whole new design without affecting the content .
- 'Theme Customization'
- Plugins .

③ Back-End

③ Back-End Development or Web Development:

Back-end development languages handle the 'behind the scenes' functionality of web applications. It's code that connects the web to a database, manages user-connections and powers the web applications itself.

① PHP:

- It is a server side scripting language that is used to develop static or dynamic websites or web applications.
- It stands for Hypertext Pre-processor.
- PHP scripts can only be interpreted on a server that has PHP installed.

② MySQL :

- It is a relational database management system based on SQL - Structured Query Language.
- The application is used for a wide range of purposes, including data warehousing, e-commerce and logging applications.

③ WordPress Theme Development

Extra knowledge for Web Development :-

① Static Website :

- Static website contains web pages with fixed content.
- It is the basic type of website and are easiest to create.

- Static Website contains HTML, CSS, Bootstrap, and JQuery.

② Dynamic Website:

- It contains web pages that are generated in real-time.
- This pages includes Web scripting code, such as PHP or ASP.
- When a dynamic page is accessed, the code within the page is parsed on the web server and the resulting HTML is sent to the client's Web browser.
- 'Admin Panel' is where the content is created and the website is managed. This is the key to how a content management system work (CMS).

Subjects :

Date :

① Freelancing Session :

- ① How to create account in Fiverr.
- ② Working principle of Freelancing.

