**What/Who is Front-End Developer:**

1. Who designed/write the user Interface (UI).
2. Front end development is programming which focuses on the visual elements of a website or app that a user will interact with (the client side).
3. A front end developer is someone who implements web designs through programming languages like **HTML, CSS, and JavaScript**. The front end developers work with the design and outlook of the website.
   1. Technologies Use:
      1. HTML:
      2. CSS => Framework => **Bootstrap**, Skeleton
      3. Java Script => JS Framework => Angular JS, React JS, Value JS, Next JS, **Node JS**, Express JS
      4. JQuery:

**What/Who is back-End Developer:**

1. Who right the code for store & Manage users Data.
2. A backend developer is responsible for **writing the web services and APIs used by front-end developers and mobile app developers**. They oversee the server-side web application logic as well as the integration of the front-end part.
   1. **PHP:** Core PHP, **Laravel**, CakePHP, Code Igniter, WordPress
   2. **Java:** Spring, Hibernate
   3. **Python:** Framework => **DJango**, Flask
   4. **Node JS:** **Express JS, Happy JS**

**What/Who is Full Stack Developer:**

1. Who can design the UI as wall as write the logic for store & mage users data.
2. A full stack web developer is **a person who can develop both client and server software**. In addition to mastering HTML and CSS, he/she also knows how to: Program a browser (like using JavaScript, jQuery, Angular, or Vue) Program a server (like using PHP, ASP, Python, or Node)

**What is HTML:**

1. The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.
2. HTML (HyperText Markup Language) is **the code that is used to structure a web page and its content**. For example, content could be structured within a set of paragraphs, a list of bulleted points, or using images and data tables
3. By using HTML, you can define headers, paragraphs, links, images, and more, so your website & browser knows how to structure the web page you're looking at

**CSS**:

1. CSS (Cascading Style Sheets) is used to style and layout web pages — for example, to alter the font, color, size, and spacing of your content, split it into multiple columns, or add animations and other decorative features.

**Java Script(**it is used for both frontend and backend development**):**

1. JavaScript is **a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive**. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.
2. JS is **a lightweight, interpreted, object-oriented language** with first-class functions, and is best known as the scripting language for Web pages, but it's used in many non-browser environments as well

**Node(**Node. js can be used on the frontend as well as the backend.**):**

1. Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on a JavaScript Engine and executes JavaScript code outside a web browser, which was designed to build scalable network applications.
2. Node **allows developers to write JavaScript code that runs directly in a computer process itself instead of in a browser**. Node can, therefore, be used to write server-side applications with access to the operating system, file system, and everything else required to build fully-functional applications.

**Express(**Node.js Framework for Backed web appliction/API**)**:

1. Express is **a node js web application framework that provides broad features for building web and mobile applications**. It is used to build a single page, multipage, and hybrid web application. It's a layer built on the top of the Node js that helps manage servers and routes.
2. Express is **a back end web application framework for Node.** **js**, released as free and open-source software under the MIT License. It is designed for building web applications and APIs

**AngularJS(**JS Library for Front-End Library/Framework**)**

1. AngularJS is a discontinued free and open-source JavaScript-based web framework for developing single-page applications. It was maintained mainly by Google and a community of individuals and corporations.
2. AngularJS is **a JavaScript framework**. It can be added to an HTML page with a <script> tag. AngularJS extends HTML attributes with Directives, and binds data to HTML with Expressions.
3. AngularJS is a structural framework for dynamic web apps.
4. Use Angular **when you need to design web apps for all kinds of environments**, especially: Dynamic web apps: Where the content and some components are displayed according to the user who is accessing and the client (web or mobile) that is consuming.

**React JS(**JS Library for Front-End Library/Framework **):**

1. React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta and a community of individual developers and companies.
2. React is a declarative, efficient, and flexible JavaScript library for **building user interfaces**. It lets you compose complex UIs from small and isolated pieces of code called “components”. We'll get to the funny XML-like tags soon. We use components to tell React what we want to see on the screen.
3. ReactJS is an open-source, component-based **front-end** library responsible only for the view layer of the application.

‘

**Vue.js(**frontend JavaScript framework**):**

1. Vue.js is an open-source model–view–viewmodel front end JavaScript framework for building user interfaces and single-page applications.
2. Vue. js is a progressive framework for JavaScript used to build web interfaces and one-page applications. Not just for web interfaces, Vue. js is also used both for desktop and mobile app development with Electron framework.

**Next JS(**frontend JavaSript framework**):**

1. Next.js is an open-source web development framework built on top of Node.js enabling React-based web applications functionalities such as server-side rendering and generating static websites.