

NEOTECH INSTITUTE OF TECHNOLOGY

Neotech campus

**BACHELOR OF DIPLOMA
ENGINEERING IN**

**1 SEMESTER COMPUTER
ENGINEERING
SUBMITTED BY**

- 1. VEER PATEL**
- 2. MANAN PATEL**

**SUBJECT: FUNDAMENTAL OF
COMPUTER APPLICATION**

TOPIC : WEB DEVELOPMENT

**AFFILATED TO GUJARAT
TECHNOLOGICAL UNIVERSITY**



WEB DEVELOPMENT



- **Web development** is the work involved in developing a website for the Internet (World Wide Web) .
- Web development can range from developing a simple single static page of plain text to complex web applications, electronic businesses, and social network services.
- A more comprehensive list of tasks to which Web development commonly refers, may include Web engineering, Web design, Web content development, client liaison, client-side/server-side scripting, Web server and network security configuration
- There are three kinds of Web developer specialization: front-end developer, back-end developer, and full-stack developer.

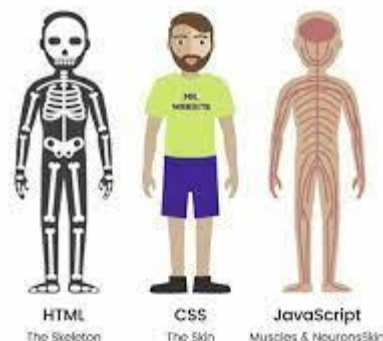
Front-end development



- An overview: HTML provides the basic structure of sites, which is enhanced and modified by other technologies like CSS and JavaScript. CSS is **used to control presentation, formatting, and layout**. JavaScript is used to control the behavior of different elements.
- In simple words HTML is like a skeleton , CSS is like skin and JAVASCRIPT is like the brain of human.



WEBSITE STRUCTURE



Source: FreeCodeCamp.org

HTML



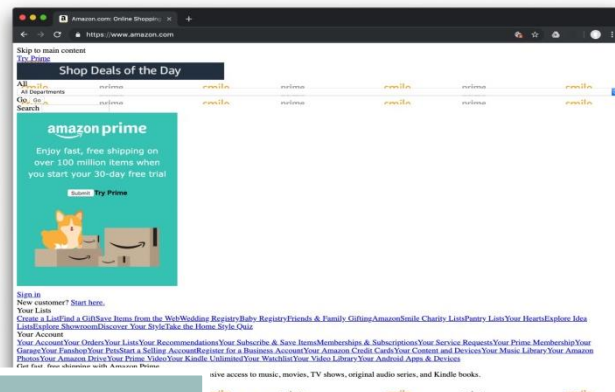
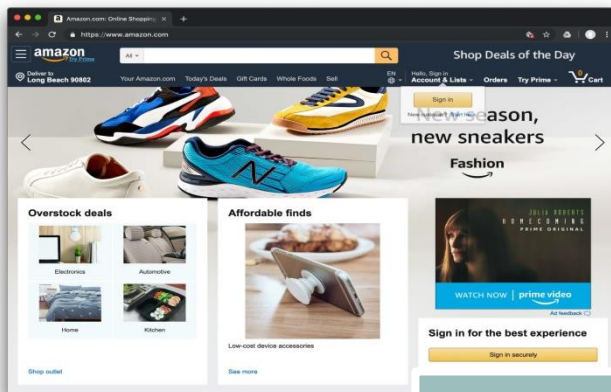
- The **HyperText Markup Language**, or **HTML** is the standard markup language for documents designed to be displayed in a web browser.
- Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages
- HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.



```
<html>
<header><title>This is title</title></header>
<body>
Hello world
</body>
</html>
```



- **Cascading Style Sheets (CSS)** is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. Basically use to design website
- CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts.
- CSS also has rules for alternate formatting if the content is accessed on a mobile device.

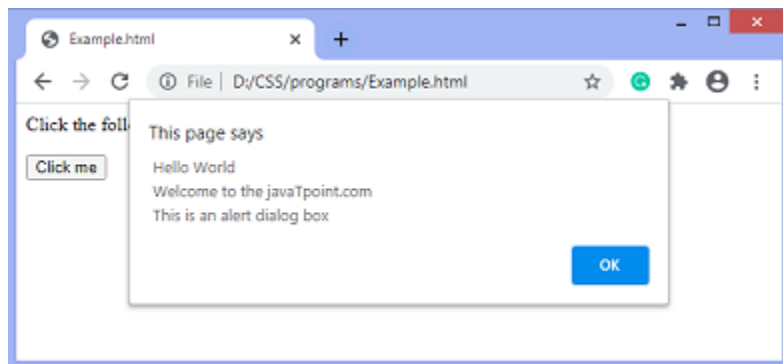


Webpage without CSS

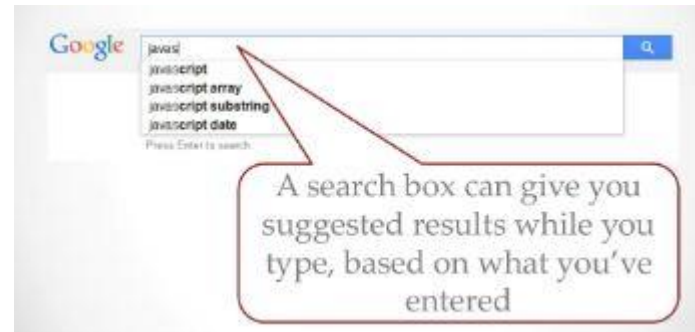
Javascript



- **JavaScript** is high-level, often just-in-time compiled and multi-paradigm. It has dynamic typing, prototype-based object-orientation and first-class functions.
- It allows us to add dynamic behavior to the webpage and add special effects to the webpage.
- Using JavaScript, it is also possible to load the content in a document without reloading the webpage.



Javascript Alert function Example



Example of JS