Introduction to web development

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Introduction

What is a website?

A connected group of pages on the World Wide Web regarded as a single entity, usually maintained by one person or organization and devoted to a single topic or several closely related topics.

Why do we need website?
1) It is always accessible
2) It targets more audiences.
3) It provides medium to showcase the services and works
4) It improves customer service and finally,
5) It saves time.

Introduction

How websites work in real-time?

Websites work on client-server architecture,

Steps:
1) From Browsers users type/search the url they need and click enter.
2) url is mapped to a DNS for specific IP address.
3) Handshake between the client browser and the server in the IP.
4) Client request for the data.
5) Server responds with data.

Ways of website development

Different languages:

➔ PHP

➔ Python

➔ Java

➔ JavaScript and many more

Architectures:

➔ MVC: Modal-View-Control(PHP)

➔ MVI: Modal-View-Intent(Android)

➔ MVT: Modal-View-Template (Python)

Frameworks:

➔ Codeigniter(PHP)

➔ Django(Python)

➔ AngularJS(JS)

Basic tags in HTML

<!DOCTYPE>: Defines the document type

<html>: Defines an HTML document

<head>: Defines information about the document

<title>: Defines a title for the document

<body>: Defines the document's body

<h1> to <h6>: Defines HTML headings

<p>: Defines a paragraph

: Inserts a single line break

<hr>: Defines a thematic change in the content

<!-- ... -->: Defines a comment<!-- ... -->: Defines a comment

Basic tags in HTML Conti..

<div>: Defines a section in a document
<span>: Defines a section in a document
: Defines an unordered list
: Defines an ordered list
: Defines a list item
<table>: Defines a table
<th>: Defines a header cell in a table
<tr>: Defines a row in a table
<td>: Defines a cell in a table