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3 PROGRAMING FUNDAMENTALS

Topics: WEBSITE DEVELOPMENT

ADDITIONAL FEATURES OF HTML/CSS

KNOWLEDGE IS POWER

PROGRAMING FUNDAMENTALS

SLOs:

At The End of The Lesson Students Will Be Able to:

- Define website development
- Explain Additional Features of HTML/CSS

WEBSITE DEVELOPMENT

Introduction:

- ✓ The World Wide Web (WWW) development has made easier to share information and data using websites
- ✓ Documents, Pictures, Audio, Video are the main types of information
- ✓ Hyper-Text Markup Language (HTML) is the primary language that is used for the basic website development
- ✓ The basic knowledge of HTML is necessary to customize it according to your desire

WEBSITE DEVELOPMENT

Web and Website:

"A document which exists and is accessible through internet is a webpage, while a set of webpages is term as website"

For Example:

Webpage:- https://kambohkidsfashion.com/product/pampers-size-4-l-large-56-pcs/

Website:- https://kambohkidsfashion.com/

"Every website has '**Homepage**'. As soon as a webpage opens up, its homepage is displayed."

PROGRAMING FUNDAMENTALS

3.1.6 Front-End Development

A front-end of a website provides the interface which is graphical nowadays and termed as Graphical User Interface (GUI). The person visiting your website views and interacts with GUI. The front-end of a website is developed using Html, CSS and Javascript, etc. A person, who develops such front-end websites and GUIs, is termed as 'Front-end Developer'.

WEBSITE DEVELOPMENT

3.1.7 Back-End Development

Front-end developed websites and GUIs need to communicate with the server for every event which the user generates and corresponding result is to be displayed on the front-end. This bridging between the front-end and the server is taken care by back-end development. A person who writes code about such services that are provided by the website is called a 'Back-end Developer'. Back-end development requires more knowledge and skill level in hand than front-end development, like knowledge of JavaScript, Python, PHP, ASP, Net, etc.

ADDITIONAL FEATURES OF HTML/CSS

The Additional Features are:

1. Forms in HTML
2. Tables in HTML
3. Animations in CSS

ADDITIONAL FEATURES OF HTML/CSS

HTML Tags	Purpose
<html>	Root element
<head>	Contains metadata
<title>	Title of the page
<body>	Main content of the page
<h1>-<h6>	Headings (largest to smallest)
<p>	Paragraph
<a>	Link (anchor)
<img>	Image
, ,	Lists
 	Line break

ADDITIONAL FEATURES OF HTML/CSS

Forms in HTML:

1. Forms in HTML
2. Tables in HTML
3. Animations in CSS

ADDITIONAL FEATURES OF HTML/CSS

HTML Tags	Purpose
<form>	Form Tag
<label>	Label Tag
<input>	Input Tag

3.2.1 Forms in HTML

HTML controls how web pages appear and navigate based on user input. HTML may display forms containing text boxes and buttons that users can write or click on like the paperwork is filled out. HTML creates spaces where text may be written, items can be selected from lists and check boxes, etc. To take input on an online form, one very useful element for establishing several types of input fields is the <input> element. It makes it easier to take user input in multiple ways in forms such as buttons, checkboxes, text fields, etc.

ADDITIONAL FEATURES OF HTML/CSS

3.2.2 Tables in HTML

An easy approach to organize information on webpages is with tables. They work well for presenting information in an easy-to-read and ordered manner. HTML provides option of tables for viewing of data. A table's basic building block, a cell is a rectangular section that can include text, graphics, etc.

ADDITIONAL FEATURES OF HTML/CSS

Tables in HTML

HTML Tags	Purpose
<table>	Table Tag
<tr>, <th>, <td>	Table Row, Table Heading, Table Data

Student Information Table

Roll No	Name	Class
1	Ali	10th
2	Sara	10th
3	Ahmed	10th

ADDITIONAL FEATURES OF HTML/CSS

3.2.3 Animations in CSS

We can easily change the appearance and movement of elements on a webpage via CSS animation like rotate objects or change color. The animation involves creating a number of key-frames that specify the item's styles at different intermediate moments and sequence in the animation. An element's style during animation is specified by the '@keyframes'.

- To represent each keyframe's location in the animation time-line, a percentage value (ranging from 0% to 100%) is provided (line 15-17).
- The tag on line 22 acts as a container that groups and styles other components as a single unit. It is a useful method for structuring components on websites in a logical manner. It is used for layout purposes.
- Formatting the elements of HTML is defined using the <style> tag. The <head> portion of a web page can contain the <style> tag and the matching page elements receive the styles specified in it.

FLOWCHART

ACTIVITY

Verbal Questions:

1. What are the purposes of <form>, <lebel>, <input> tags?
2. What HTML is stand for?
3. What is CSS and Why we use CSS?

AFL STRATEGIES

Class Discussion,

Brainstorming,

Feedback and Reflection

HOME WORK

Reading Text Book Page Number 75-92

THANK
YOU