

Assignment 1A

Title :- Web Page Design

Problem Statement:

Create a responsive web page which shows the ecommerce/college/ exam admin dashboard with sidebars & statistics in cards using HTML, CSS, Bootstrap

Objective

Apply HTML, CSS, Bootstrap classes & demonstrate web page that is responsive.

Theory.

1) HTML →

HTML stands for hypertext Markup language. It is rendered on web browser. HTML has a set of elements that describes the structure of web page.

(a) HTML elements.

(b) HTML Boilerplate

(c) Block level vs Inline Elements

Block level elements occupy entire width of web page.

Inline elements takes up width on browser as much as its own width only.

(d) HTML attributes:

2) cascading style sheets (CSS)

CSS also known as cascading style sheets is used to style or achieved desired look & feel of web page.

CSS has wide range of properties that can facilitate the user from changing the color of text to applying animations.

(a) CSS syntax.

(b) Types of CSS :
Inline
Internal
External.

(c) CSS selectors.

1) element selector

2) ID selector

3) Class selector

4) Universal selector

5) Grouping selector

6) Combination selector

7) Pseudo class selector

(3) Bootstrap :

Bootstrap is a lightweight library of Bootstrap CSS.

It has a wide range of class that perfectly, well on browsers.

These classes have in built a CSS associated with them.
eg. class = "card" automatically applies.

Conclusion

Thus we have applied HTML, CSS & Bootstrap classes and demonstrated a web page that is responsive.

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Assignment 1B

Title: Javascript AJAX Implementation.

Problem statement.

Write Javascript program to get user registration data & push to array / local storage with AJAX post method, & list in new page.

Theory.

1) HTML form

An HTML is selection of

- Textbox (to fill info like Name, Roll No. etc)
- Textarea (to fill info like Address or lengthy text)
- select (to select value from dropdown list)
- Radio button (to make one selection like Yes/No, male / female)
- checkbox (to select one or more options from limited choices)
- submit button (to submit the filled form)

2) Javascript

Javascript is a frontend scripting language.

Javascript can be added to HTML file in two ways.

- external
- internal.

Internal JS code is directly added to HTML file using `<script>` & `</script>`.

External JS is a separate js file is prepared, where only JS code is written.

3) XMLHttpRequest

XMLHttpRequest obj is an API used to fetch data from server.

XMLHttpRequest is used in AJAX programming.

It can retrieve any format of data such as JSON, XML, text, etc.

It request for data in background without page refresh & loads response on page.

Properties of XMLHttpRequest object

- onreadystatechange
- readyState
- responseText
- responseXML
- status
- statusText

4) AJAX

AJAX is an abbreviation for Asynchronous JavaScript & XML.

AJAX also hits the request to server & loads the data on HTML without page refresh.

Examples of application using, AJAX :

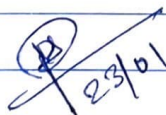
Gmail, Google Maps, Youtube & Facebook tab.

With jQuery AJAX method one can request text, HTML, XML or JSON from remote server using HTTP get and/or HTTP post.

The parameter specify one or more name / value pairs for AJAX request.

conclusion .

Thus we have implemented a javascript program to get the user registration data & using AJAX post method we have listed data on new page.


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