

Assignment - II

Title :- Design with CSS & HTML, XML.

Problem Statement :-

Design the web application using HTML, CSS, XML.

Objective :-

- i) To develop web pages using HTML
- ii) To optimize page styles & layout with CSS.
- iii) To distinguish between HTML & XML.

H/W & SW requirement :-

Eclipse IDE, Fedora OS System.

Outcome :-

- i) Define the key term relevant to coding HTML & CSS, including tag, attribute, element, entity, selection header, table, ordered list, etc.
- ii) Define & compare the concept of multimedia, hypermedia & hypertext.

Theory :-

Files that travel across the largest network in the world, the Internet & carry information from servers to client that requested them are called web pages/HTML documents. Individual who develops these web pages is called, web developers.

As studied in previous assignment, the server computer runs special software called web server software that allows

- (i) Web site management.
- (ii) Accept a client request for the information.
- (iii) Respond to client request by providing the page with required information.
- (iv) Connect to appropriate server.
- (v) Query the server for the information to be read.

HTML :-

The language used to develop web pages is called Hypertext Markup Language which is interpreted by browser.

CSS :- Style sheets are powerful mechanism for adding styles to web documents that enforces standards & uniformity throughout a website & provide numerous attributes to create dynamic effects

Advantages :-

i) Ability to make global changes to all documents from single location.

ii) Greater author control over appearance for text & its placement on the page

iii) Reduced clutter of multiple opening & closing tags on individual text elements.

iv) Simplified modification of page design through style editing.

XML - nuts & Bolts :-

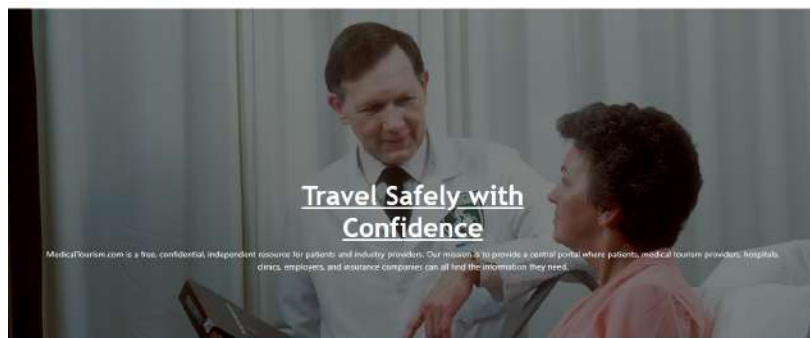
- (i) DTD
- (ii) XSD - extensible Schema definition
- (iii) XSL - extensible Style language
- (iv) XML - linking language
- (v) XML - namespaces

Advantages of schemas :-

- (i) Easier to validate the correctness of data
- (ii) Easier to work with data from database
- (iii) Easier to define data facts & data patterns
- (iv) Easier to convert data between different data types

Conclusion :-

We successfully designed the web using HTML, CSS, XML



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