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Web Design - 1

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Q1 What is a website? Explain the basic element of the good web design?

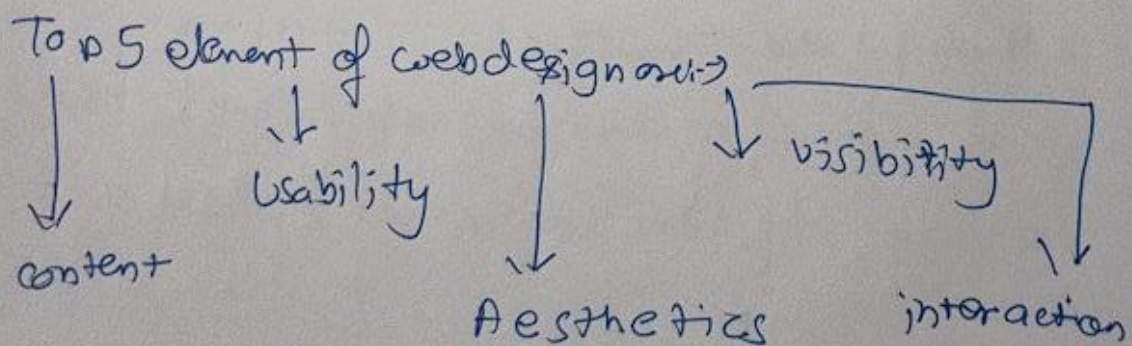
Ans A website is a collection of web pages and related content that is ^{linked} identified by a common domain name. and published on at least one web server

eg → google.com, amazon.com

→ All publicly accessible websites collectively constitute the world wide web.

(or)

a group of world wide web usually containing hyperlinks to each other and made available online by an individual, company, educational institution, government or organization.



Q2] Structure of a HTML program with suitable eg?

Ans Every HTML program contains two parts.

Head Part

By using head part we provide the following information

- Provide title of that page
- Description about that page
- What content inside that web page
- When page will expire
- * Keyword for search that page by search engine

Body part

→ Body part contains the actual information which is display on web page.

Structure

```
<html>
<head>
<title>...</title>
<meta="..." />
...
</head>
<body>
<p>...</p>
</body>
</html>
```

→ head part.

→ body part

Q3] What are the stages and strategies required in order to develop a web project?

Ans 8 phases of to develop a web project.

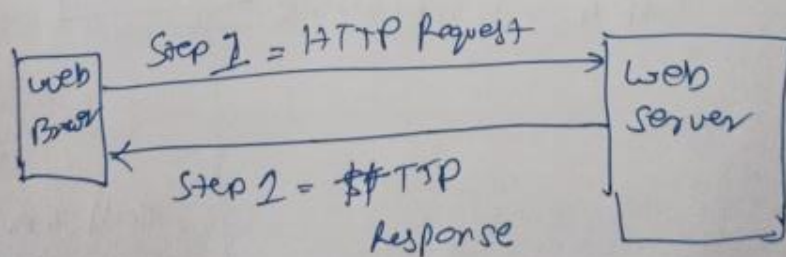
- ① → Project Definition
 - Project Summary
 - Goals
 - Target audience
 - Messages
 - Competition
- ② → Project Scope
- ③ → Wire frames and Site Architecture
- ④ → Visual Design
- ⑤ → Site Development
- ⑥ → Site testing.
- ⑦ → Launch
- ⑧ → Site maintenance.

Q4) Difference Between Static website and Dynamic website.

Ans Static web page

- ① Static web page will remain same until someone changes it manually
- ② Are simple in terms of complexity.
- ③ The Information are change rarely.
- ④ Take less time in loading than dynamic page.
- ⑤ Data base is not used.
- ⑥ are written in languages such as :- HTML, CSS, Javascript etc.
- ⑦ does not contain any application program
- ⑧ require less work and less cost designing them.

eg

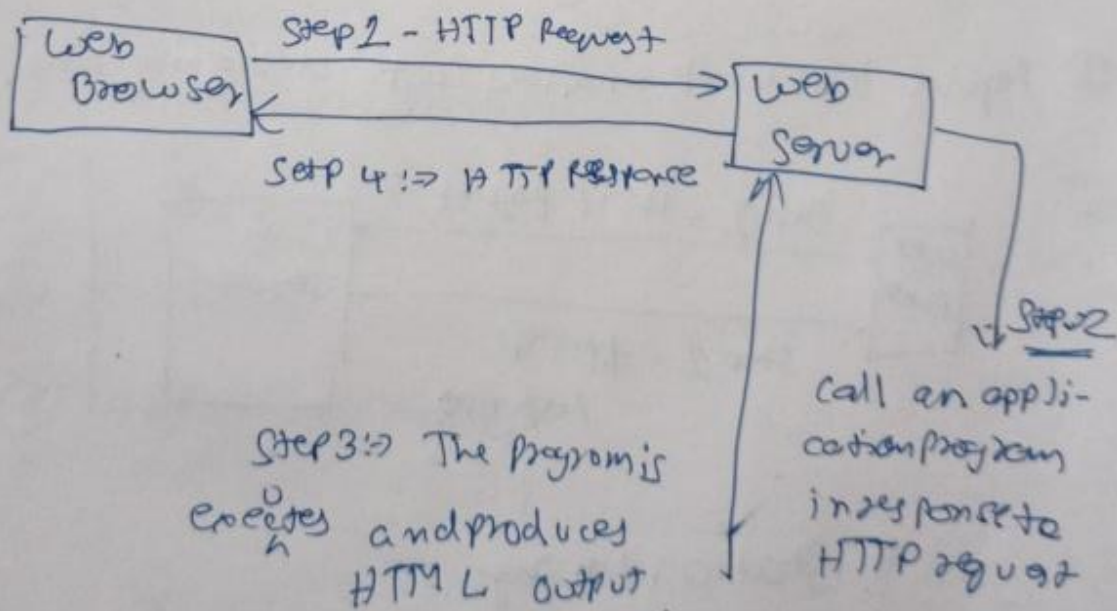


Static web page.

Dynamic web page

- ① Content of pages are different for different visitors
- ② Dynamic web pages are complicated.
- ③ The information are change frequently.
- ④ Take more time in loading rather than static page
- ⑤ Database is used.
- ⑥ Written in \Rightarrow CGI, AJAX, ASP, PHP, ASP.NET etc.
- ⑦ contain application program for different services.
- ⑧ Require comparatively more work and more cost in designing them.

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Q5) Define term Protocol. List names of the protocols which help in web development and explain working of those protocols?

Ans protocol \Rightarrow A protocol is a standard set of rules that allows electronic devices to communicate with each other. These rules includes what type of data may be transmitted, what command are used to send and receive data, and how data transfers are confirmed. We can think of a PROTOCOL AS A SPOKEN LANGUAGE

Web protocols

- \rightarrow ARP [Address Resolution Protocol]
- \rightarrow DHCP [Dynamic Host configuration]
- \rightarrow DNS [Domain Name service]
- \rightarrow FTP [File transfer Protocol]
- \rightarrow HTTP [Hyper text transfer protocol]
- \rightarrow IMAP [Internet Message Access protocol]
- \rightarrow ICMP [Internet control message protocol]
- \rightarrow IDRPE [ICMP Router - Discovery Protocol]
- \rightarrow IPC [Internet protocol]
- \rightarrow IRC \rightarrow [Internet Relay chat Protocol]

→ POP3 → [Post office Protocol version 3]

→ PAR → Positive Acknowledgment and Retransmission.

→ RLOGIN → Remote Login.

→ SMTP → Simple Mail Transfer Protocol

→ SSL → Secure Socket Layer

→ SSH → Secure Shell

→ TCP → Transmission Control Protocol.

→ TELNET → TCP/IP Terminal Emulation Protocol

→ UDP → User Datagram Protocol

→ UPS → Uninterruptible Power Supply.

Q6) Describe the Role of W3C in details. ?

Ans The World Wide Web Consortium is the main international standards organization for the World Wide Web. ~~It~~ Founded in 1994 and currently led by Tim Berners-Lee, the Consortium is made up of member organizations that maintain full-time staff working together in the development of standards for the World Wide Web.