UNIVERSITY OF LUCKNOW

Web Design Concept (BCA-503)

Assignment - 01

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Questions :-

(1) What is web application?
- Why we need web application?
- Features of web application
- Advantages and disadvantages of web application.

Ans:- The web application is an application software that runs on a web server, unlike computer-based software programs that are stored logically on the operating system of the device. Web applications are accessed by the user through a web browser with an active internet connection.

- We need web applications because of following reasons.

(i) It is convenient to use

(ii) No installation and maintenance required on end-user system.

(iii) Cheaper than desktop application due to reduced support and maintenance on end-user system.

(IV) Does not waste space on end-user system.

(V) Web based applications runs on browser, so works on multiple platforms.

(vi) Update only on server so no need to install on every update.

(vii) Reduces administrative expenses.

- Features of web application:

  (i) cloud-hosted and scalable

  (ii) Cross platform

  (iii) Modular and loosely coupled

  (iv) Easily tested with automated tests

  (v) Traditional and SPA behaviour supported.

  (vi) Simple development and deployment.

  (vii) Traditional ASP.NET and web forms.

- Advantages & Disadvantages of web applications:-

  A Advantages:-

  (i) Better User Experience

  (ii) Flexible Access

  (iii) Client server login.

☆ Disadvantages:-

(i) Internet Reliance.

(ii) Security.

(iii) Reduced speed.

Q (2) What is website?

- Why we need website?
- Features of website.
- Diff. b/w static & dynamic web pages.

Ans :→ A website is a collection of webpages and related content that is identified by a common domain name and published on atleast one web server. Notable examples are wikipedia.org. google.com and amazon.com. All publicly accessible websites collectively constitutes a World Wide Web.

- We need website because of following reasons.

(i) Website offers a better return on investment than anyother form of advertising.

(ii) To market our business, website should be our first priority.

(iii) The relatively low investment of getting a business website will pay dividends by driving you new customers and build brand.

- Features of a Website
  (1) Mobile compatibility.
  (ii) Accessible to all users.
  (iii) Well planned information architecture
  (iv) Browser Consistency
  (v) Effective Navigation.
  (vi) Good Error handling.

- Difference b/w static & dynamic web pages.

Static Web page	Dynamic Web Page
(i) Pages will remain same until someone changes it.	(i) Content of pages are different for different visitors
(ii) It is general in nature	(ii) It is specific in nature
(iii) Ex:- personal blog etc.	(iii) Ex:- E-commerce, Facebook etc.