ASSIGNMENT - 1

QUESTIONS : -

1. Explain how a web site would learn something about your browsing habits outside its site from an HTTP request sent to the site by your browser. Assume that request has only the headers listed in table.

SL NO.	FIELD NAME
1	flost
2	User-Agent
3	scient
4	Accept - Language
5	sucht-Encoding
6	sucht - charset
7	connection
8	Rech- Stive
9	content-type
10	content-length
1 10	V

2. Some browsers developers support HTML lags which they invented but which are not W3C standards. Using one of there tags often means that your frage will appear "broken" when viewed from a competing browers would you will use one of these tags, or would you conform to W3C standards. Describe which one is best and why.

3. Explose the web content accesibility and mobile web document of your shoul. Summarize areas that overlap in accesibility and mobile web design best practices and how web developers can support both accesibility and mobile desices Include the links of at least two related rites you explored.

1 - 1111/11/11/11

- 4. Choose a website and one of the web design frameworks (Design for usability, conversioncentered Design):
 - on specific framework that you picked.
 - Think will reate the largest infrovement in the conversion rate.
 - De based on the web design framework you friked.
- Find examples of web pages where they are used. What does UX mean (and stand fox) and how does it relate to web-site design? Give 3-5 peoverses of UX and explain each one.

ANSWERS : -

1. When we decide to brown anything on a website these one two things that happen in the HTTP header consisting of HTTP request and the browser collects data from this request and responds accordingly. There two parameters construct The farameters of HTTP transaction. In the question given the following fields ore vonsidered to be in the HTTP request section. is HOST: This field is a mandatory field in HTTP request section as it consusts of the domain name of server and the port number. 11) USER-AGIENT: This field nonsists of data related to the user i.e, the browser used, the system information etc. iii) ACCEPT: It is a field that specifies the auchtability of the medica types. IVY ACCEPT-LANGUAGE: 9t consists of a list of languages that ian be accerted or accepted for VY ACCEPT-ENCODING: It specifies what kind of enroded files van be accerned such as zip, deflate VIX ACCEPT- CHARSET: It sperifies the list of thorsets thorater sets that are acceptable Eg: Accept-Charset: Uti-8. VII) CONNECTION: It controls the current connection ie, whether to keep it alive or sopquate upgrade.

viii) KEEP-ACTIVE: The keep-active is a connection field used to keep the retrieving web-page to be study i.e, do not upgrade.

ix> CONTENT-TYPE: This field specifies the medica type of the body of request field.

x> CONTENT-LENGTH: This field specifies the length of content in outets.

Based on the fields in HTTP request 9 say the browses can learn out our point of interest in fields through the HOST field, boen about what kind of media we are frequently interested through the Aucht and content-type fields, what kind of language we are familiar with and want our data to be through the Aucht-language field.

2. The floold Wide Web consortium (W3C)

lame up with some law and order to the

lyber-frontier in order to organize some standards.

this initiative was taken as the websites that

were weated prior were working fine on a

particular browser but failed to serve the wers

over other flatforms. The mission of W3C is

to lead the World wide with web to its

full fortial so that the websites are sussible

to all the wress over all the various flatforms by

developing standards, protocols and quide lines.

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In my opinion the was standards should be opted by all the users to construct a web-design so that it provides comfort to user to use any platform helpse needs, in other words if was standards are not followed the user has to shift to the platform in which the websites are accessble rightfully, this will lead eventually into discomfort and dissatisfaction of the user.

The W3C's heimany four is developing the feotocols and standards for key asperts of web ranging from HTML and CSS roding to web sechetecture, XLM XML technology, web devices, web browsing and authoring tools. Jeel date (W3C has generated more than 90 standards which are also ralled "recommendations". There standards should be applied to all the various platforms so that web works equally for everyone, regardless of their location or

The best appearsh is to follow will standards because the websites that don't follow will be

i) slow to load.

ii) wont work well with all browsers.

iii) Reduce efficiency of search engines.

iv) lan lower the rearch rankings and

backer has been been the find the sites.

make it harder for frevple to find the sites.

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3. WEB CONTENT ACCESIBILITY:

The web content suesibility guideline (W(AGI) are organized by four main prenciples. that content must be POUR: Perseivable, Operable, Understandable and Robust.

PERCEIVABLE:

presented the users in any ways that's possible It can't be invisible to all their senses.

(i) If a preson can't read we can provide text-alternatives, media if we cannot read but can undertand the concept, speek for a blind preson, etc.

OPERABLE:

is The web contents should be oferable wir navigation and user interface (UI).

is we should fred keyboard are belity, time to read and respond, navigation, etc.

UNDERSTANDABLE:

the information and operation of VI.

ii) Text toten content should be readable.

freedutable, etc.

ROBUST:

it Even if technologies and user agents evolve

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the content should remain accessible.

ii) The web contents should be compatible
to changes.

MOBILE WEB DOCUMENT ACCESIBILITY:

PERCEIVABLE:

size so stata should be minimized in the web frage and zoml magnifying options should be provides.

ii) The reduced rontent can be res is artually be hidden so that if were is interested helshe can view it.

OPERABLE:

is As mobiles don't have a keyboard a
keyboard control should be provided also if
required virtual keyboards can be provided to
input or enter data anto the website.

ii The buttons for arresibility should be
provided where it is easy for user to use not

as per the construction of website.

UNDERSTANDABLE:

je In the mobile devices Oxientation should be provided, i.e., wontent wary amording to portrait or landscape mode. Also content consistency must be maintained.

ROBUST:

freorided.

should be frevioled.

POUR - Perseive, Operable, Understandable, Robust nature of web content on a website between web content accesibility and mobile web document.

4. Website chosen: gitlab. som Framework shosen: Vue js

gitlab is a Dev Ops platform, delivered as a single application, fundamentally changing the way dwelopment, security and ops team collaborate and build software.

Vue js is an open source model-viewview model front and jawascipt framework for
building user interfaces and single-pass applications.

lyttales application offices functionality to
automate entire DevOps life vycle, from
planning through to reation, build, verification,
security testing development and monitoring.

lytlat is highly scalable and can be hosted
on cloud storage.

PAGE NO. 09 HIML SEMANTIC ELEMENTS. is A semantic element clearly describes the meaning to browser and developer. some of the semanter elements are a) Larticle> by Laside> 2> Lsection> d> < header? e> < foote> f> < nav> g> < fig caption? h? < figure? Larticle 7: This element sperifies indépendent, self-contained content. <article? Lhz7 SSK.com L/hz> This website belongs to sowath santosh Ramble <1p> 21 article7 L'header7; This element wontains data or information related to the website. It can be data illustrating websites information. < header > KHIT ABOUT LIHIT LP> This website is a domain related to KSIT

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santosh kamble.

L'hootee? This element defines footer of document or section.

29'

4 footer>

UX: UX stands for Unix Experience. It is the interaction and experience uses have with a company's freduct and services. UX consists of uses interactions with placing their order on a company's website, their in store experience of picking up their order, and sho their radisfaction of food.

UX designers measure and ofitimize the web-based applications to improve ease of use and weate best user experience by explosing many differente approaches to solve end-user's problems.

The different processes in UX are
it Product definition.
iit Research.
iiit Analysis.

iv> Design V> Validation

PRODUCT DEFINITION:

The product definition in Ux design is to understand the wontext of what has to be built, before the product to team weater anything

PRODUCT RESEARCH:

flere we search for references of product, whether the product is already wailable if yer what kind of updates have the be added to be benifited.

This phase is used to highlight the data wellested from research and moving from what untomie needs to why instomer needs the product.

DESIGN:

In the design phase we weate a dumny or model of how the product is expected to be. It can be done through sketching drawing or desertly building a UI design.

VALIDATION:

validation is testing the perduit rearling expertation or not.

REFERENCES:

Q.NO	REFERENCE	
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