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1. What is usability testing in web testing?

Ans. Usability Testing is a method used to evaluate a product (in this case a website) by testing it on users. Most people who set up a usability test carefully construct a scenario wherein a person performs a list of tasks that someone who is using the website for the first time is likely to perform.

2. Explain the difference between HTTP and HTTPS?

Ans. HyperText Transfer Protocol Secure (HTTPS) is the secure version of HTTP, the protocol over which data is sent between your browser and the website that you are connected to. The 'S' at the end of HTTPS stands for 'Secure'. It means all communications between your browser and the website are encrypted.

3. Write the test scenarios for testing a web site?

Ans. Test Scenarios for testing a website:

- Web page content should be correct without any spelling or grammatical errors
- All fonts should be same or as per the requirements.
- All the text should be properly aligned.
- All the mandatory fields should be validated.
- The system should not display the error message for optional fields.
- Test for negative numbers if allowed for numeric fields.
- Test all input fields for special characters.
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- Test the website in different browsers (IE, Firefox, Chrome, Safari and Opera) and ensure the website is displaying properly.
- Test the images display correctly in different browsers.

- Test the internal and outgoing links in different browsers.
- The tester should understand the functional requirements, business logic, application flow and database design thoroughly.
- Verify the database name: The database name should match with the specifications.
- Verify the Tables, columns, column types and defaults: All things should match with the specifications.
- Verify whether the column allows a null or not.
- Verify the Primary and foreign key of each table.
- Verify the web page which contains important data like password, credit card numbers, secret answers for security question etc should be submitted via HTTPS.
- Verify the important information like password, credit card numbers etc should display in encrypted format.
- Verify the cookies should not store passwords.
- Verify the important operations are written in log files, and that information should be traceable.

4. Write a few Test Cases on GMail functionality.

Ans. Test Scenarios for Inbox Functionality :

- Verify that a newly received email is displayed as highlighted in the Inbox section.
- Verify that on clicking the newly received email, user is navigated to email content.
- Verify that any attachments are attached to the email and is downloadable.
- Verify that count of unread emails is displayed alongside 'Inbox' text in left sidebar of GMail.
- Verify that unread email count increases by one on receiving a new email.
- Verify that email recipients in cc are visible to all user.

- Verify that email recipients in bcc are not visible to user.
- Verify that email can be received from non-gmail email ids like - yahoo, hotmail etc.

Test scenarios for Compose mail Functionality :

- Verify that on clicking 'Compose' button, a frame to compose a mail gets displayed.
- Verify that user can enter email ids in 'To', 'cc' and 'bcc' sections and also user will get suggestions while typing the email ids based on the existing email ids in user's email list.
- Verify if user has left the email id field blank or entered the incorrect format then he/she should not be allowed to proceed.
- Verify that user can enter multiple comma separated email ids in 'To', 'cc' and 'bcc' sections.
- Verify that user can type Subject line in the 'Subject' textbox.
- Verify that user can type the email in email-body section.
- Verify that a warning message is displayed if both the subject and the body are left blank.

5. Write any 5 common ATM Machine functionality.

Ans. Some common ATM Machine functionalities are:

1. Activation of debit card
2. Withdrawals
3. Deposits
4. Balance Inquiry
5. Change PIN

6. Give some examples of web applications that are used in our day to day life.

Ans. Some web applications that we use in our day to day life are:

1. Gmail
2. Youtube
3. Facebook
4. Wikipedia
5. Google Docs
6. Paytm

7. What are the advantages of Using Cookies?

Ans. The cookie is a small file stored on the user's computer , It is used by the websites to track the visitors to keep the user information such as the username , interests , Password Remember Option , etc , If any web application use cookies , The server send cookies & client browser will store it. Advantages of cookies are :

- The cookies are simple to use & implement . They do not require any server resources.
- You can configure the cookies to expire when the browser session ends.
- One of the main advantages of the cookies is their persistence , When the cookie is set on the client's browser , it can persist for days , months or years.

8. What is XSS and how We can prevent it?

Ans. Cross Site Scripting attack means sending and injecting malicious code or script. Malicious code is usually written with client-side programming languages such as Javascript, HTML, VBScript, Flash, etc. The main purpose

of this attack is to steal the other user's identity data – cookies, session tokens and other information.

Prevention for XSS

1. Escaping. Escaping data means taking the data an application has received and ensuring it's secure before rendering it for the end user. By escaping user input, key characters in the data received by a web page will be prevented from being interpreted in any malicious way.

2. Validating Input is the process of ensuring an application is rendering the correct data and preventing malicious data from doing harm to the site, database, and users. While whitelisting and input validation are more commonly associated with SQL injection

3. Sanitizing - Sanitizing user input is especially helpful on sites that allow HTML markup, to ensure data received can do no harm to users as well as your database by scrubbing the data clean of potentially harmful markup, changing unacceptable user input to an acceptable format.

9. Write a few Cross Browsing Testing TCs for any website.

Ans. A few Test Cases for Cross Browsing:

- Verify that the website loads on browser
- Verify that the elements (such as buttons, forms, menu) are visible.
- Verify that the elements are clickable on page.
- Verify that the content of the page is visible on all devices.
- Verify if the webpage requires a specific browser version.
- Verify if the webpage takes a longer time to load on one browser.