

13/10/2023

Ques1. Find the details below:

- What is differences between <head>, <h1> and <header> tags?
- How to validate the textbox valid email id in HTML4? How to perform email validation in JavaScript?
- What are cookies in web applications?

Ans:

- Difference between <head>, <header> and <h1> tag is that:
  - The HTML <head> tag is a container for metadata and links to scripts and stylesheets.
  - The <header>tag is a semantic container used to designate contents that is introductory or navigational in nature.
  - <h1> tag stands for heading and helps to structure your document and tell web browsers/screen readers and others the importance of that element.
- Validate textbox valid email id in HTML4

```
<input
  type="text"
  pattern="/^[a-zA-Z0-9.!#$%&'*/+=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*$/\"
  required
>
```

Form validation in javascript:

In js form validation is performed using functions:

Email is a string which is in format personal\_info@domain.

The personal\_info part contains the following ASCII characters.

- Uppercase (A-Z) and lowercase (a-z) English letters.
- Digits (0-9).
- Characters ! # \$ % & ' \* + - / = ? ^ \_ ` { | } ~
- Character . ( period, dot or fullstop) provided that it is not the first or last character and it will not come one after the other.

The domain name [for example com, org, net, in, us, info] part contains letters, digits, hyphens, and dots.

Example:

```

function ValidateEmail(mail)
{
if (/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/).test(myForm.emailAddr.value))
{
    return (true)
}

    alert("You have entered an invalid email address!")

    return (false)
}

```

- c. Cookies are small files which are stored on a user's computer which can be accessed by server computer or client computer. It stores the little information about the language, time, links etc preferred by the client so that the next time.

Types of cookies:

Session cookies: A session cookie only lasts for the duration of users using the website. A web browser normally deletes session cookies when it quits.

Persistent cookie(Tracking cookies): These are kind of cookies are used on websites that need to know who we are but offer us the ability to "remember me" when you enter username and password. Eg-gmail

Third-party cookies:

HTTP Cookies: When you send a request to the server, the server sends a reply in which it embeds the cookie which serves as an identifier to identify the user. So, next time when you visit the same website, the cookie lets the server know that you are visiting the website again.

Ques3. How to handle multiple submit buttons in HTML Forms?

Ans: Give each input a different value and keep the same name:

```
<input type="submit" name="action" value="Update" />
```

```
<input type="submit" name="action" value="Delete" />
```

```
if ($_POST['action'] == 'Update') {
```

```
    //action for update here
```

```
} else if ($_POST['action'] == 'Delete') {
```

```
    //action for delete
```

```
} else {
```

```
    //invalid action!
```

}

Ques4. Can we submit the input fields that are submitted outside the form tag?

Ans: A form-associated element is, by default, associated with its ancestor form element, but may have a form attribute specified to override this.

If a form-associated element has a form attribute specified, then that attribute's value must be the ID of a form element in the element's owner Document.

```
<form id="myform">
```

```
  <input id="something" type="text">
```

```
</form>
```

```
<button form="myform" type="submit">Submit that form over there</button>
```

Ques5. What is datalist tag in HTML5?

Ans: The <datalist> tag specifies a list of pre-defined options for an <input> element.

The <datalist> tag is used to provide an "autocomplete" feature for <input> elements. Users will see a drop-down list of pre-defined options as they input data.

```
<label for="browser">Choose your browser from the list:</label>
```

```
<input list="browsers" name="browser" id="browser">
```

```
<datalist id="browsers">
```

```
  <option value="Edge">
```

```
  <option value="Firefox">
```

```
  <option value="Chrome">
```

```
  <option value="Opera">
```

```
  <option value="Safari">
```

```
</datalist>
```