

TOPIC : HTML 5 – FORM'S ETC.

SESSION : 3

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Topics

- **HTML 5 - Forms**
 - Forms Overview.
 - Input Element.
 - Type Attribute.
 - Fieldset / Legend.
 - Textarea.
 - Drop Down List.
 - Group List.
 - Datalist.

HTML - Form...

- <form> element defines a form that is used to collect user input...

- Syntax...

<form action = "Script URL" method = "GET|POST">
form elements like input, textarea etc.
</form>

- Attribute & Description...

- Action – Backend script.
- Method – GET and POST methods.
- Target – Target Window (_blank, _self etc.)
- Enctype – Encode Data before sending.
 - url-encoded – default.
 - mutlipart/form-data – upload binary data (Images etc.)

HTML – Element – Input...

- <input> Element – most important element...

- Syntax...

```
<form action = "Script URL" method = "GET|POST">
```

```
  <input type="text" name="text1" value="default_text"  
    size="10" />
```

```
</form>
```

- Attribute & Description...

- Type – determine functionality.
 - Text – textbox.
 - Password – password Input.
 - Etc.
- Name – represents data in server.
- Value – Initial Value of element. (optional)
- Size – Character count. (optional)

HTML – Input – Types...

■ <input>types...

- <input type="text"> - one line text input .
- <input type="password"> - password field.
- <input type="submit"> - Form Submit Button.
- <input type="reset"> - reset all form values.
- <input type="radio"> - option button (same name)
 <input type="radio" name="gender" value="male" checked> Male

 <input type="radio" name="gender" value="female"> Female
- <input type="checkbox"> - Checkbox.
 <input type="checkbox" name="vehicle1" value="Bike"> I have bike

 <input type="checkbox" name="vehicle2" value="Car"> I have car.
- <input type="button"> - Event Driven Button.
- <input type="file"> - upload file (required POST).

HTML 5 – Input – Types...

- HTML 5 <input> types...

- <input type="color"> - Color Selection – return Hex Code.

`<input type="color" name="favcolor" value="#ff0000" />`

- <input type="date"> - Date Selection.

`<input type="date" name="x" max="2000-01-02" min="1999-12-31"/>`

- <input type="email"> - default email validation.

- <input type="month"> - select month.

`<input type="month" name="bdaymonth">`

- <input type="number"> - Numeric Validation.

`<input type="number" name="quantity" min="1" max="5">`

- <input type="range"> - Range Selection (Default : 1-100).

`<input type="range" name="points" min="0" max="10">`

- <input type="time"> - select time (24hr format).

`<input type="time" name="usr_time">`

HTML – Fieldset – Legend – Label...

- <fieldset> Element – makes Container...

- Syntax...

- <form action = "Script URL" method = "GET|POST">

- <fieldset>

- <legend>Frame title</legend>

- frame elements

- </fieldset>

- </form>

- Legend – provide title to frame.
 - <label> element – Linked text to Form elements.

- <label for="element_id">label text</lable>

- Used to set focus to element on click...*

HTML – Fieldset – Legend – Label...

➤ Framing Container's...

```
<form>  
  <fieldset style="width:100px">  
    <legend>Info:</legend>  
    <label for="un_id">Name:</label>  
    <input type="text" name="uname" id="un_id" /> <br>  
  
    <label for="em_id">Email:</label>  
    <input type="email" name="email" id="em_id" />  
    <br>  
  
    <label for="bd_id">Date of Birth:</label>  
    <input type="date" name="bday" id="bd_id" />  
    <br/> <br/>  
  
    <input type="submit" value="Register" />  
  </fieldset>  
</form>
```

❑ Output :



Info:

Name:

Email:

Date of Birth:

HTML – Textarea...

➤ <textarea> - multi-line text input control...

```
<textarea rows="4" cols="30" maxlength="50">
```

Any Text can be put as default content
int this multiline text box...

```
</textarea>
```

- rows – Number of line's.
- cols – default max number of character per line.
- maxlength – max limit of input characters.

❑ Output :

```
Any Text can be put as default  
content int this multiline  
text box...
```

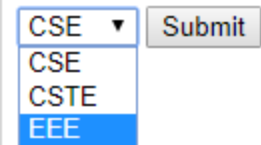
HTML – Dropdown List...

➤ <select> & <option> - Drop Down list ...

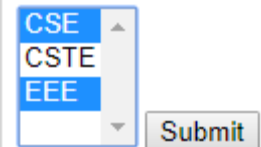
```
<select name="Dept" multiple>  
  <option value="CSE">CSE</option>  
  <option value="CSTE">CSTE</option>  
  <option value="EEE">EEE</option>  
</select>
```

- Select – main container for list.
- option – list item.
- Multiple – select more than one item.
- Onsubmit – name & value is send to server.

❑ Output : Single

A screenshot of a web form showing a single-select dropdown menu. The menu is currently displaying 'CSE' with a downward arrow. Below the menu, the options 'CSE', 'CSTE', and 'EEE' are listed. To the right of the dropdown is a 'Submit' button.

❑ Output : Multiple

A screenshot of a web form showing a multiple-select dropdown menu. The menu is currently displaying 'CSE', 'CSTE', and 'EEE' with upward and downward arrows. To the right of the dropdown is a 'Submit' button.

HTML – Option Group...

➤ <optgroup> - Item Grouping ...

<select>

<optgroup label="Engineering">

<option value="CSE">CSE</option>

<option value="CSTE">CSTE</option>

</optgroup>

<optgroup label="Arts">

<option value="Bangla">Bangla</option>

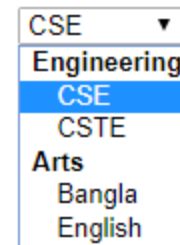
<option value="English">English</option>

</optgroup>

</select>

- optgroup – passive element – groups List Elements.

❑ Output :



HTML – Datalist...

➤ <datalist> - suggestions for text control ...

```
<input type="text" list="browsers" name="browser">
```

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

```
<option value="Internet Explorer">
```

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

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

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

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

```
</datalist>
```

- datalist – Defines data block for suggestions.
- List – links datalist to text element.
- Similar to dropdown list.

❑ Output :

f	▼	Submit
Firefox		
Safari		

A decorative blue wavy line with a gradient, flowing from the top left towards the bottom left, partially obscuring the grid background.

End Of
Session