

September
05/09/2025
Friday

Day - 05 Lecture - 05 HTML Forms

Form - It is used to collect user input.

Why Where they are used?

- In maximum website form are used.
- login / signup form on every website.
- User fill out form and then it submit to database.

`<form>` `</form>` → used to create form

`<input>` → This will create box on browser

`<input type = "text">`

What kind of input it will take

`<input type = "number">`

only number will go in this

`<label>` Name : `</label>`

`<input type = "text">`

} Tell the user what they need to fill with the help of label

`<label>` Password `</label>`

`<input type = "password">`

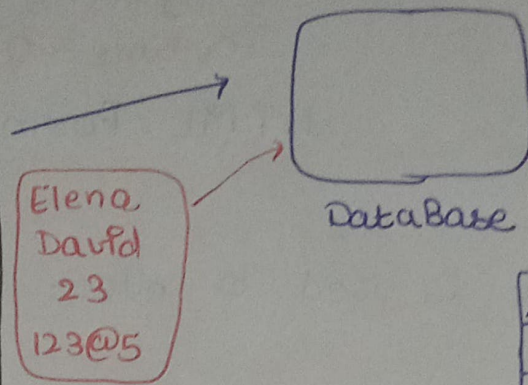
the text will be visible in dot form like a password.

`<input type = "submit">`

Submit

Name :
 FatherName :
 Age :
 Password :

Browser



Excel Sheet

→ When user submit form. Somewhere we have to store it. So we store in Database.

→ Database is nothing just assume as a excel sheet where information will be store

UserName	UserFname	UAge	Password
Elena	David	23	123@4

Information come from Frontend and store in database

What if any user provide only three info.?

- Mystic
 31
 123@56

User provide only three info then how database will know about whether the given name is user-name or father-name. Does Database make it guess?

We should send

information in the form of key-value pair like →

username = Mystic
 userAge = 31
 use Password = 123@56

Now DB understand clearly

username = David
name value

So we use name attribute so the backend understand it easily

{
<label> Name: </label>
<input type="text" name="username">

You can name it anything

Now user submit the form, the data will be visible in URL (in the form key-value pair)

→ Radio: Used when user has to choose only one option from many.

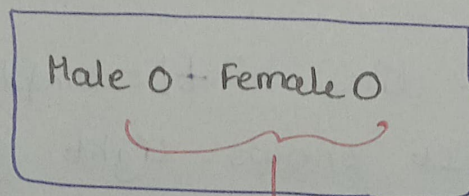
<label> Male: </label>

<input type="radio" name="gender">

<label> Female: </label>

<input type="radio" name="gender">

This name should be same so only one option will be selected. Else both option can be selected



<label for="male">
Male: </label>

<input type="radio"
name="gender"
id="male">

id are unique

Sometime these circle are small in size. So when we click on text the circle should be selected. To do that we use for keyword and to connect it with input we use id. for and id both should be same.

<label for="male"> Male : </label>

<input type="radio" name="gender" id="male"
value="male">

If we don't use value then you will see in url that `gender=on` and again backend will not understand what is the meaning of on. That's why we provide `value="male"` so backend will understand it

Checkbox: Where we can select multiple values

can make more checkboxes of different types

{ <label for="c++"> C++ </label>
<input type="checkbox" name="subject" id="c++"
value="c++">

Here we also use value so backend will understand

Placeholder: It just like hint/example, not actual data. It shows light grey text inside the input box.

<label for="name"> Name: </label>

<input type="text" name="username" id="name"
placeholder="Enter your name">

textarea : Used when we need a big text box (multi-line)

- Unlike `<input type = "text">` which allow single line, `<textarea>` allow multiple lines.

→ We can control its rows and cols.

`<textarea (height) rows = "10" (width) cols = "10"> </textarea>`

→ Useful for feedback, comments and messages

dropdown: Lets user choose one option from a list.

Made with `<select>` tag.

Each choice is written inside `<option>` tag.

`<label for = "city"> choose your city: </label>`

`<select id = "city" name = "usercity">`

`<option value = "delhi"> Delhi </option>`

`<option value = "pune"> Pune </option>`

`</select>`

`<input type = "text" name = "UName" required>`

It make the input

mandatory - user must fill it before submitting

`<button type = "submit"> Register </button>`

`<button type = "reset"> Clear form </button>`

Why we prefer button instead of `<input type = "submit"> ?`

- Because `<input type="submit">` can only show plain text.
- You can't make text bold, add image, or style text inside it.
- Use `<button>` element. It's a container tag. Means you can put other HTML tag inside it.

// old way

```
<input type="submit"
      value="Submit order">
```

// New way

```
<button type="submit">
  <strong>Submit
    </strong>
  Your order
</button>
```