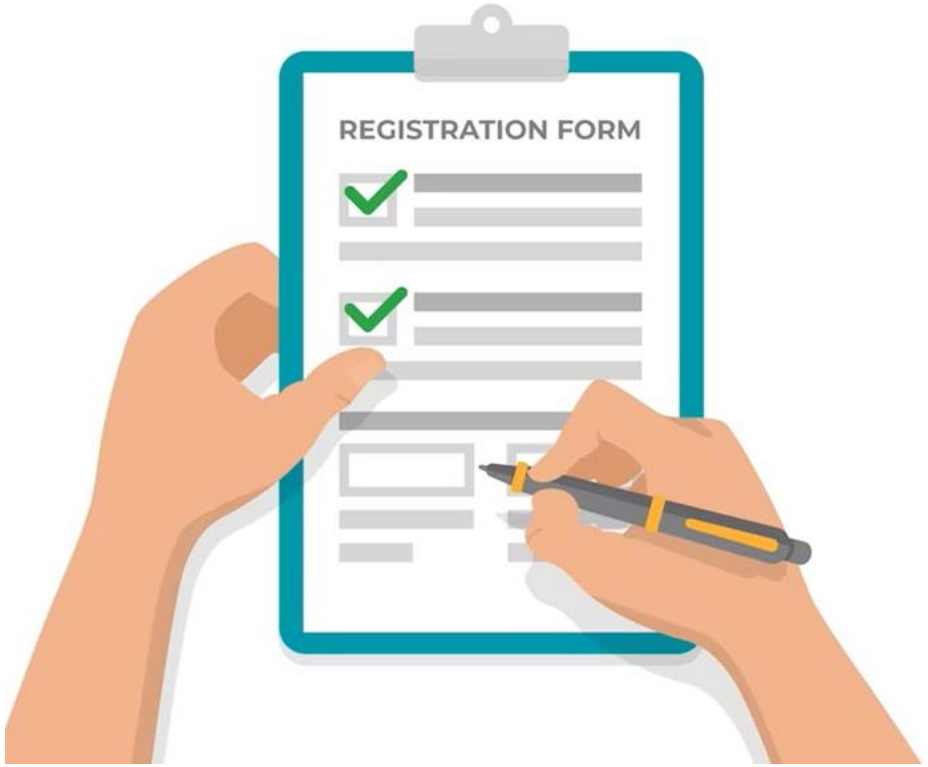
HTML

Chapter 4

aitrich

HTML Forms



HTML Forms are required, when you want to collect some data from the site visitor.

A form will take input from the site visitor and then will post it to a back-end application such as CGI, ASP Script, etc.

The back-end application will perform required processing on the passed data based on defined business logic, inside the application.

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Syntax

The HTML <form> tag is used to create an HTML form and it has the following syntax..

<form action = "Script url" method ="GET|POST">
form elements like input, text area etc.
</form>

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Form Attributes

action	URL of where to send the form data when a form is submitted. If empty, the form will be submitted to the current page.
method	Method to be used to send data. The most frequently used are GET and POST methods.
enctype	How the form-data should be encoded, when submitting it to the server. Default: application/x-www-form-urlencoded
target	Specify the target window or frame where the response will be displayed after submitting the form It takes values like _blank, _self, _parent etc
name	Specifies the name of a form.
id	Assign an identifier to the form.

```
<form action="/action_page.php" method=
“post“ target="_blank“ name="myForm" >
```

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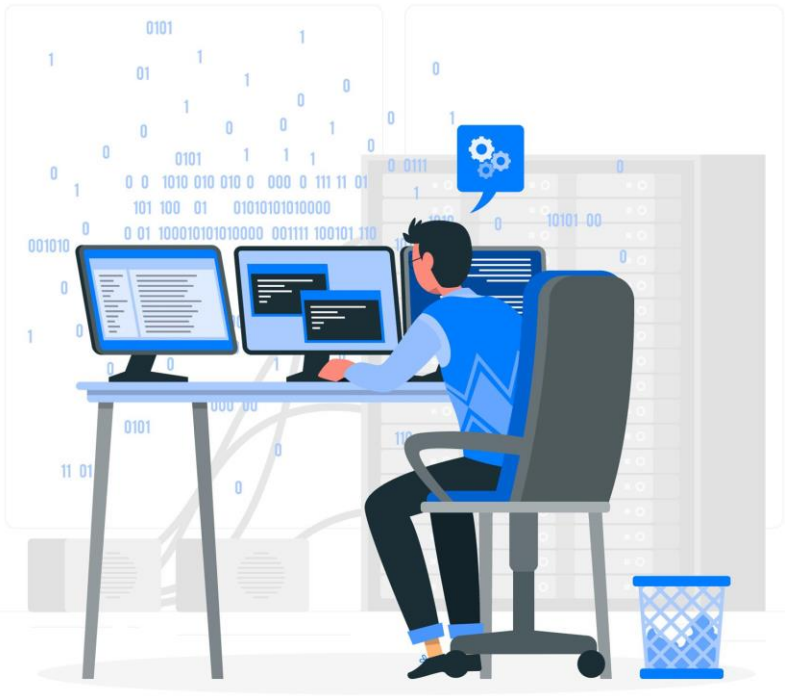
HTML Form Controls

- Text Input Controls
- Checkboxes Controls
- Radio Box Controls
- Select Box Controls
- File Select boxes
- Hidden Controls
- Clickable Buttons
- Submit and Reset Button

Text Input Controls



Single-line text input control – This control is used for items that require only one line of user input, such as search boxes or names. They are created using HTML **<input>** tag.

Password input controls – This is also a single-line text input but it masks the character as soon as a user enters it. They are also created using HTML <input> tag.

Multi-line text input controls – This is used when the user is required to give details that may be longer than a single sentence. Multi-line input controls are created using HTML **<textarea>** tag.

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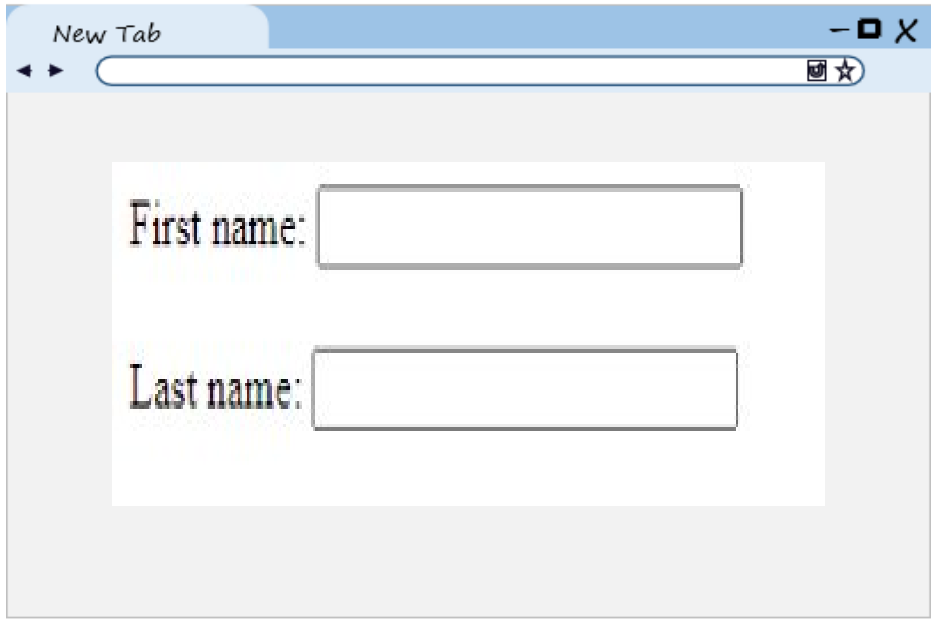
Single-Line Text Input Controls

This control is used for items that require only one line of user input, such as search boxes or names.

```
<form>
First name : <input type = "text" name = “fname" />
<br>
Last name : <input type = "text" name = “lname" />
</form>
```



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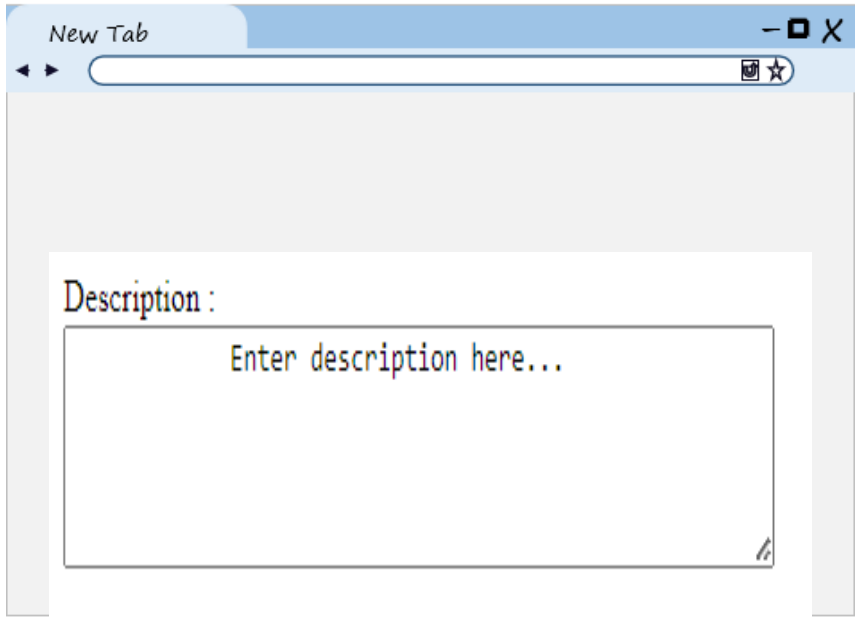
Multiple-Line Text Input Controls

This is used when the user is required to give details that may be longer than a single sentence.

```
<form>
        Description : <br />
        <textarea rows = "5" cols = "50" name = "description">
           Enter description here...
        </textarea>
</form>
```



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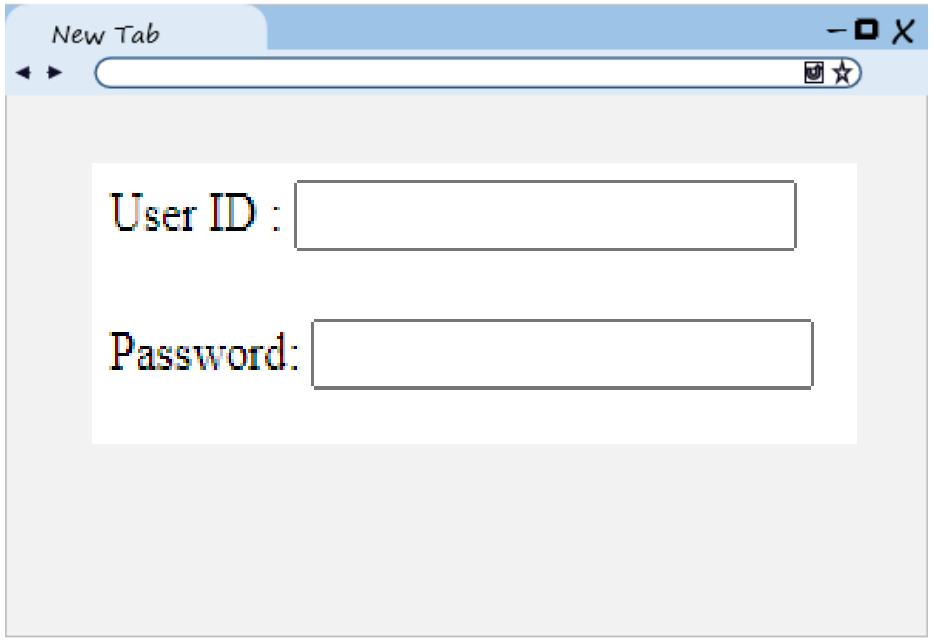
Password input Controls

This is also a single-line text input but it masks the character as soon as a user enters it. They are also created using HTML <input>tag but type attribute is set to password.

```
<form >
        User ID : <input type = "text" name = "user_id" />
        <br>
        Password: <input type = "password" name = "password" />
</form>
```



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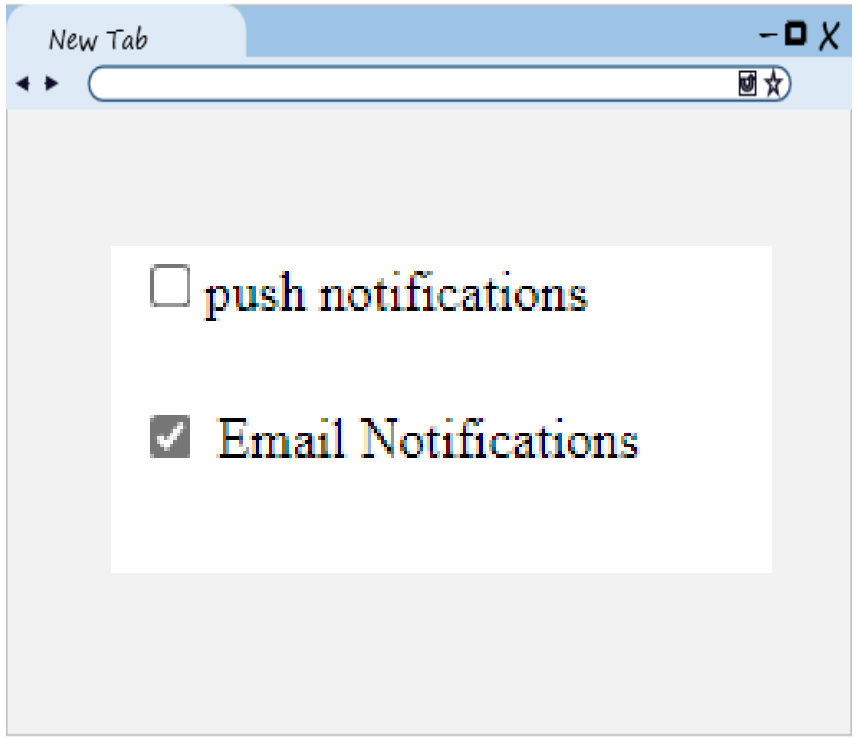
Checkbox Control

Checkboxes are used when more than one option is required to be selected. They are also created using HTML <input> tag but type attribute is set to checkbox.

```
<form>
  <input type="checkbox">push notifications<br>
 <input type="checkbox" checked> Email Notifications
</form>
```



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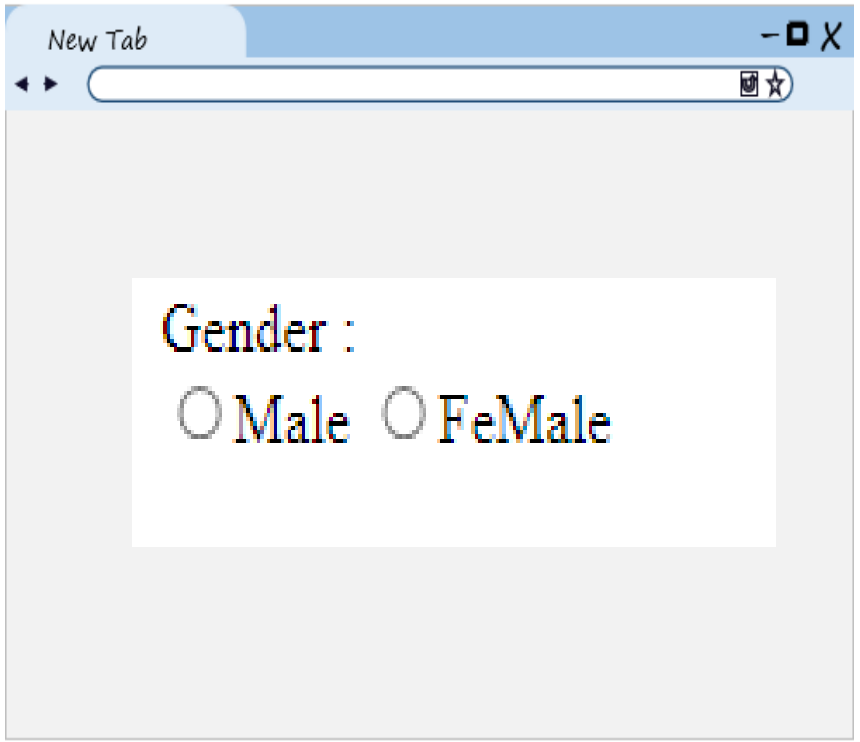
Radio Button Control

Radio buttons are used when out of many options, just one option is required to be selected. They are also created using HTML <input> tag but type attribute is set to radio.

```
<form>
<label>Gender :</label><br>
<input type="radio" name="gender" size="100">Male
<input type="radio" name="gender">FeMale
 </form>
```



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Select Box Control

A select box, also called drop down box provides option to list down various options in the form of drop down list, from where a user can select one or more options.

```
<form>
        <select name = "job role">
          <option value = "Software Developer"
 selected>Software
           Developer</option>
          <option value = "Tester">Tester</option>
        </select>
</form>
```

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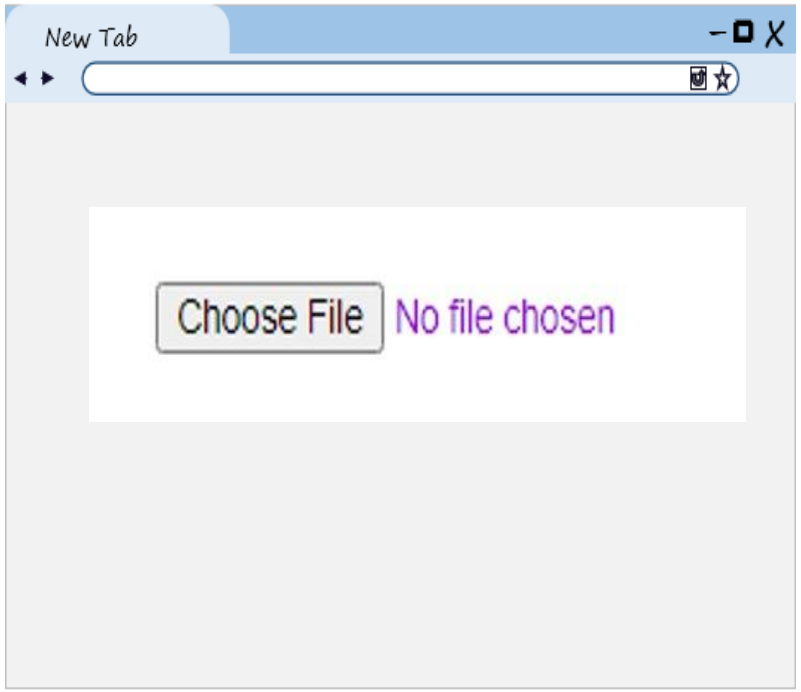
File Upload Box

If you want to allow a user to upload a file to your web site, you will need to use a file upload box, also known as a file select box. This is also created using the <input> element but type attribute is set to file.

```
<form>
<input type="file"   Value="Upload">
 </form>
```



Questions