

Web Programming

Chapter 3: HTML Forms

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Chapter Description

- Expected Outcome
 - Able to produce a simple HTML Form
- References
 - www.w3schools.com



HTML Form

- HTML Forms are used to select different kinds of user input and pass data to a server.
- An HTML form can contain input elements like text fields, checkboxes, radio-buttons, submit buttons and more.
- A form can also contain select lists, textarea, fieldset, legend, and label elements.



HTML Form

form tag → `<form action="/action_page.php">`
text field → `First name:

<input type="text" name="firstname" value="Justin">

`
`Last name:

<input type="text" name="lastname" value="Bieber">

`
password field → `Password:
<input type="password" name="pwd">

`
`Gender:

`
radio button → `<input type="radio" name="gender"
value="male">Male

<input type="radio" name="gender"
value="female">Female

`
`Favorite Food

<input type="checkbox" name="food"
value="Orange">Orange

<input type="checkbox" name="food"
value="Apple">Apple
`
checkbox → `<input type="checkbox" name="food"
value="Apple">Apple
`
submit button → `<input type="submit" value="Submit">
</form>`

output

↓

First name:

Last name:

Password:

Gender:
 Male
 Female

Favorite Food
 Orange
 Apple



HTML Forms Explained

- A text field, `<input type="text">` defines a one-line input field that a user can enter text into.
- A password field, `<input type="password">` defines a password field.
- A radio button, `<input type="radio">` defines a radio button. The name of the radio must be the same for a group of radio buttons.
- A checkbox, `<input type="checkbox">` defines a checkbox.
- A submit button, `<input type="submit">`, defines a submit button
- Lastly, the form tag `“action=/action_page.php”` defines the file that will process the information from the form once the submit button is clicked.



HTML Form

```
<!DOCTYPE html>
<html>
<body>
<form name="input"
action="html_form_action.php"
method="get">
  Favourite fruits:<br />
  <select name = "fruit">
    <option selected =
"selected">Apple</option>
    <option>Peach</option>
    <option>Orange</option>
    <option>Pear</option>
    <option>Watermelon</option>
  </select><br />
  Comments:<br />
  <textarea name = "comments" rows =
"4" cols = "36">Enter
comments here.</textarea><br />
  <input type="submit" value="Submit">
  <input type = "reset" value = "Clear" />
</form>
```

drop down list



text area



reset button



output



Favourite fruits:

Apple

Comments:

Enter
comments here.



HTML Form Explained

- A `<select>` tag defines a drop-down list.
- It allows the user to select one or more items from a list of predetermined choices.
- The `<option>` tag defines the choices in a drop-down list.
- In a text-area the user can write an unlimited number of characters.
- A `<input type="reset">` defines a reset button.
- Used to reset the form fields to their initial values.



Conclusion of The Chapter

- This chapter had introduced the basic elements of HTML form. We will learn about CSS in the next chapter



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Activity

- Please take a look Tutorial 4 for HTML form lab exercises



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