

Course: Web Application Development

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Lab 2: Advance HTML and CSS (Cascading Style Sheet)

Contents:

- **Objects:**
- **Form**
- **CSS**

Duration: 3 hours

Part 1: Objects

In the HTML file, open source code and use the following objects below to create a webpage

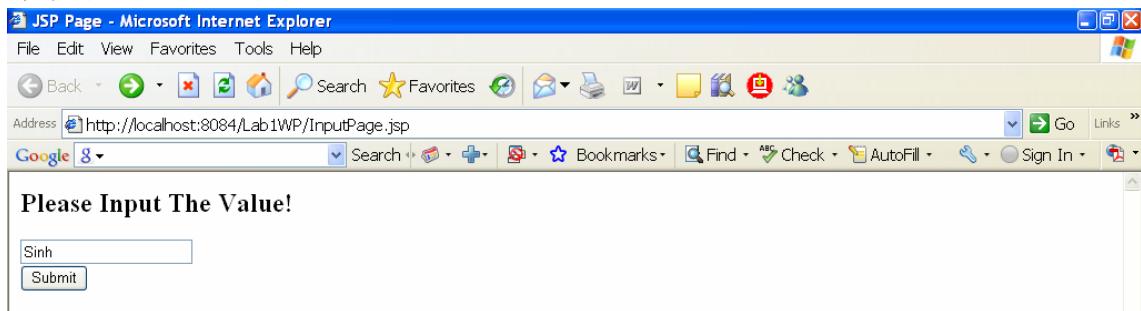
- **Textbox**
`<input type="text" name ="T1" size="33">`
- **Check-box**
`<input type="checkbox" name="c1" value="ON">Computer Graphic
<input type="checkbox" name="c2" value="ON">Computer Network
<input type="checkbox" name="c3" value="ON">Introduction to Computer
<input type="checkbox" name="c4" value="ON">Web Programming
`
- **Radio**
`<input type="radio" value="r1" checked name="red">Red
<input type="radio" value="r2" checked name="blue">Blue
<input type="radio" value="r3" checked name="green">Green`
- **Button**
`<input type="submit" value="Submit" name="s1">
<input type="reset" value="Reset" name="s2">`
- **Combo-box**
`<select name="Type">
 <option>Reading</option>
 <option>Whatching TV</option>
 <option>Studying</option>
 <option>Shoping</option>
 <option>Internet</option>
</select>`
- **Text-area**
`<textarea rows="number of rows" name="tr1" cols="number of columns"></textarea>`

Part 2: design Form

A form is any section of a web page where a user can input information (though sometimes form elements are used to display information rather than collect it)

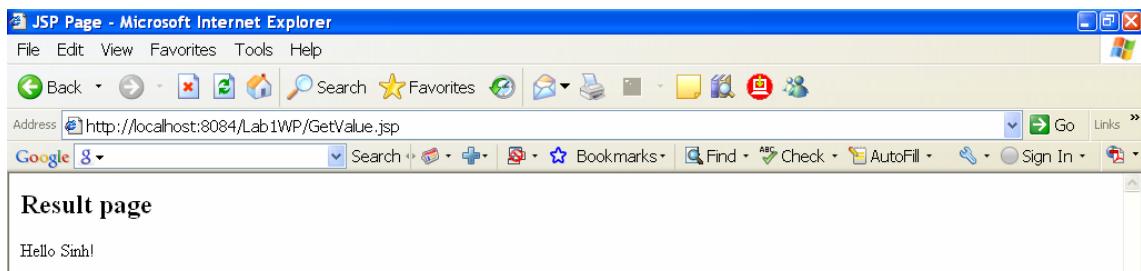
Example: This is source code of file InputPage.jsp

```
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body>
    <h2>Please Input The Value!</h2>
    <form method="post" action="GetValue.jsp">
      <input type="text" name = "tx1"><br>
      <input type="Submit" value= "Submit">
    </form>
  </body>
</html>
```



This is the source code of file GetValue.jsp

```
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
  </head>
  <body>
    <h2>Result page</h2>
    <%
      String value = request.getParameter("tx1");
      out.print("Hello "+value+"!");
    %>
  </body>
</html>
```



Exercise: You create a form like this:

JSP Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost:8084/Lab1WP/RegisterForm.jsp

Google Search Bookmarks Find AutoFill Sign In

School of Computer Science & Engineering

Register Form

Full Name:

ID:

Email:

Gender: Male Female

Field of study: CS

Principle of EE 1
Computer Network
Web Application Development
Object Oriented Programming
Computer Graphics

Comments:

Submit Cancel

Text field

Radio

Combo-box

Check-box

After input information and click “Submit” button, the result like this:

JSP Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost:8084/Lab1WP/Result.jsp

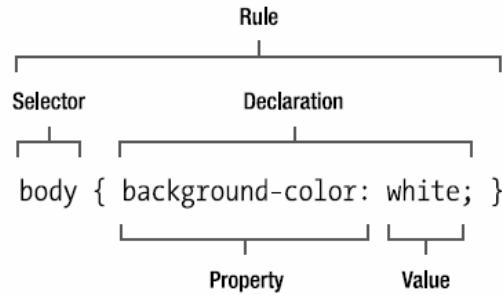
Google Search Bookmarks Find AutoFill Sign In

Thank you!

Wait for approving by advisor

Part 3: CSS

CSS can add style to your pages, enhancing and improving the presentation of your content.



There are 3 types of CSS:

- External Style Sheet: It is declared and stored in the separate file, then can add and use in all the web pages of the website.
- Internal Style Sheet: It is declared on the header of web page and use for only this page.
- In - line Style Sheet: It is declared in the tag of HTML and use for this line.

Example of External Style Sheet:

```
<html>
  <head>
    <title>Spaghetti and Craft : Our Menu</title>
    <link rel="stylesheet" type="text/css" href="styles.css" />
  </head>
  <body>
    <h2>Testing External Style Sheet</h2>
    <p>This is the content of page </p>
  </body>
</html>
```

This is the content of styles.css

```
h2 {font-size: 130%; color:red;};
p {font-size: 120%; color:blue};
```

Example of Internal Style Sheet:

```
<html>
  <head>
    <STYLE TYPE = "text/css">
      H1.titlepage {text-align: center;color: red }

    </STYLE>
  </head>
  <body>
    <H1 class=titlepage>Introduction!</H1>
    <h2>Hello World!</h2>
    <h3>This is lab section of Web Application Development</h3>
  </body>
</html>
```

Example of In-Line Style Sheet:

```
P STYLE = “background:blue;color:red”>
```