

Course: Web Application Development
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Lab 2: Advance HTML and CSS. Feb 24th, 2023

Contents:

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

Duration: 3 hours

Part 1: Objects

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

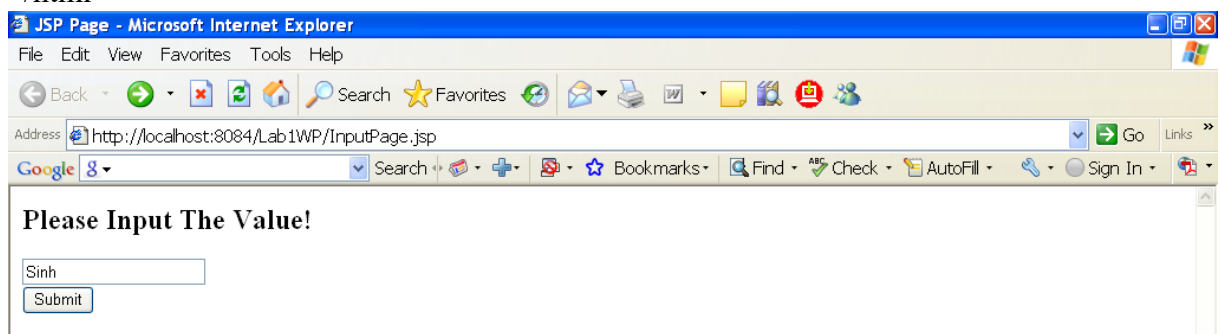
- **Textbox**
`<input type="text" name="T1" size="33">`
- **Check-box**
`<input type="checkbox" name="c1" value="ON">Computer Graphic
`
`<input type="checkbox" name="c2" value="ON">Computer Network
`
`<input type="checkbox" name="c3" value="ON">Introduction to Computer
`
`<input type="checkbox" name="c4" 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)

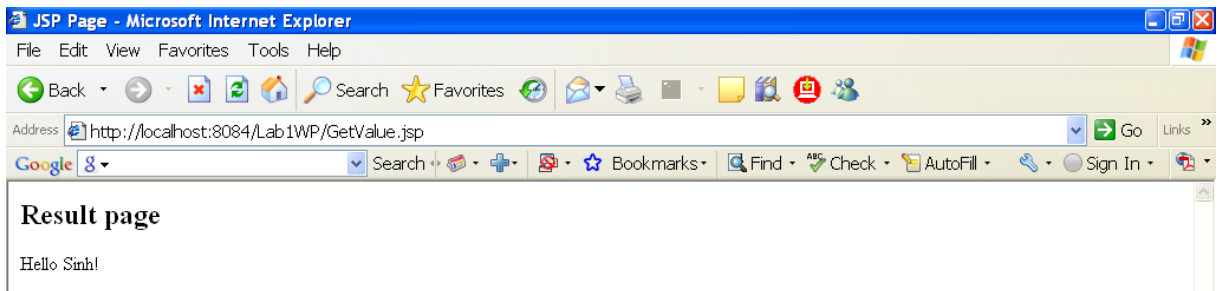
Example: This is source code of file InputPage.jsp

```
<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:

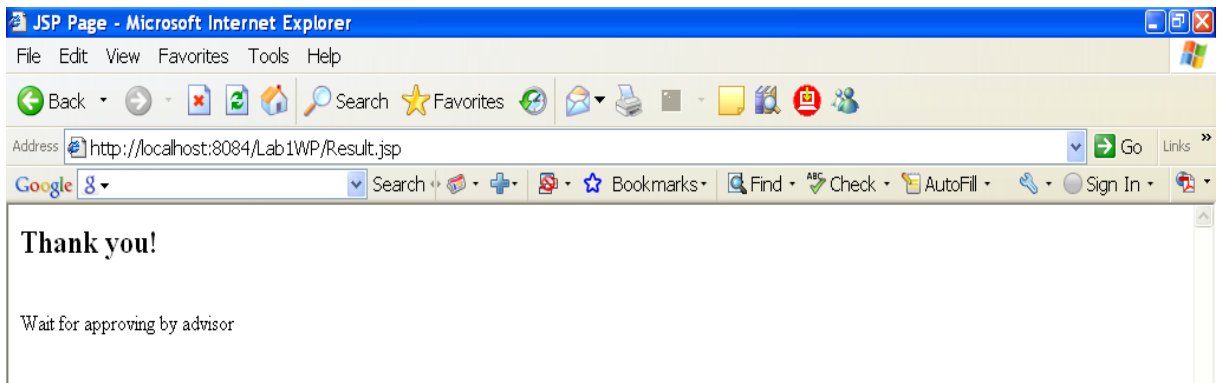
The screenshot shows a web browser window with the title 'JSP Page - Microsoft Internet Explorer'. The address bar contains 'http://localhost:8084/Lab1WP/RegisterForm.jsp'. The page content displays 'School of Computer Science & Engineering' and a 'Register Form'. The form includes the following elements:

- Full Name**: Text field
- ID**: Text field
- Email**: Text field
- Gender**: Radio buttons (Male, Female)
- Field of study**: Combo box (CS, IM, EE, BA, BE)
- List of subjects**: Check-boxes (Principle of EE 1, Computer Network, Web Application Development, Object Oriented Programming, Computer Graphics)
- Comments**: Text-Area
- Buttons**: Submit, Cancel

Callouts identify the following elements:

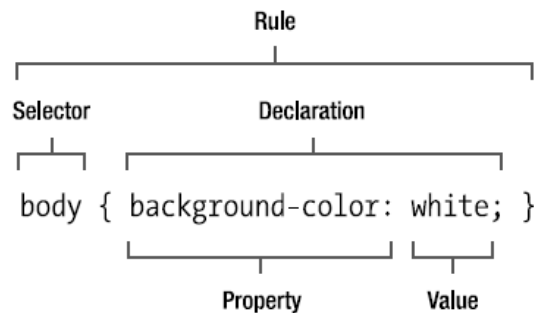
- Text field**: Points to the Full Name, ID, and Email fields.
- Radio**: Points to the Gender radio buttons.
- Combo-**: Points to the Field of study dropdown menu.
- Check-box**: Points to the List of subjects checkboxes.

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



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 Cruft : 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”>

Last exercises:

Design a page as follows (using html). Each title “Thời sự”, “Thế giới”, “Kinh tế”, etc., is a link that is connected to that html page

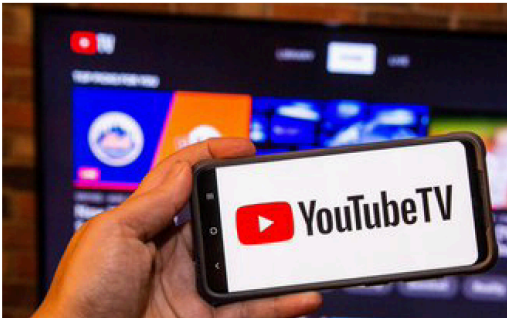
[Thời sự](#)
[Thế giới](#)
[Kinh tế](#)
[Đời sống](#)
[Sức khỏe](#)
[Giới trẻ](#)
[Giáo dục](#)
[Du lịch](#)
[Văn hóa](#)
[Giải trí](#)
[Thể thao](#)
[Công nghệ](#)



Tin tức công nghệ

Mở chiến dịch hỗ trợ doanh nghiệp công nghệ số Việt Nam vươn ra thế giới

- Tạo hành lang thu hút doanh nghiệp công nghệ số



Tin tức công nghệ

YouTube Việt Nam sẽ bị đánh thuế bản quyền nặng nếu không có hồ sơ tại Mỹ

- Doanh số smartphone tại Việt Nam tụt lùi

→ Go on to improve and finish Assignment 1 (if necessary)