

HTML, CSS AND JAVASCRIPT

EXERCISE

FORMS WITH HTML



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EXERCISE OBJECTIVE

Create a project to put into practice the handling of forms with HTML. At the end we should observe the following:

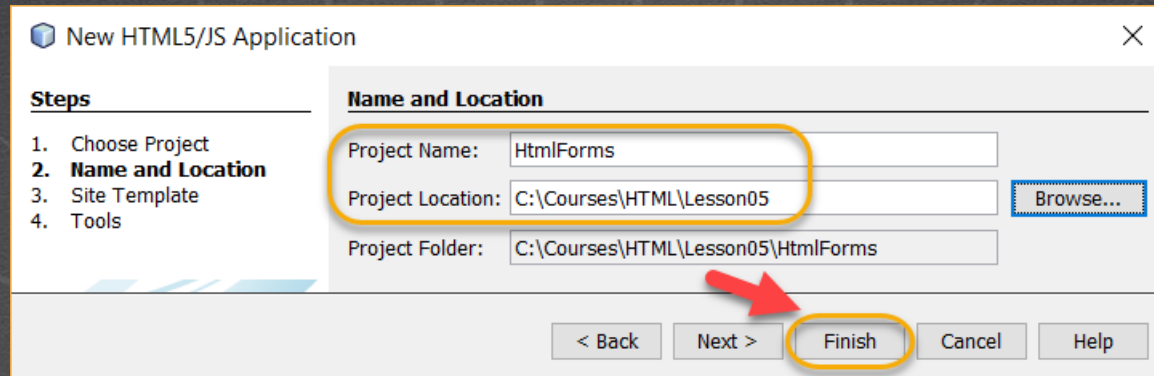
The image shows a web form titled "Data Registration Form". It contains several input fields and checkboxes. The form is displayed on a screen with a green grassy background at the bottom.

Data Registration Form	
User:	<input type="text" value="John"/>
Password:	<input type="password" value="...."/>
Technologies of Interest	Java <input checked="" type="checkbox"/> .Net <input checked="" type="checkbox"/> Php <input type="checkbox"/>
Gender	Male <input checked="" type="radio"/> Female <input type="radio"/>
Occupation	<input type="text" value="Teacher"/>
Favorite Music	<input type="text" value="Rock"/>
Comments	<input type="text" value="I like to dance and listen to music."/>

At the bottom of the form, there are two buttons: "Clean" and "Send".

PASO 1. CREACIÓN DEL PROYECTO

Vamos a crear el proyecto:



New HTML5/JS Application

Steps

1. Choose Project
- 2. Name and Location**
3. Site Template
4. Tools

Name and Location

Project Name:

Project Location:

Project Folder:

< Back Next > **Finish** Cancel Help

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2. CREATE A NEW FILE

Create a new css file:

New Cascading Style Sheet

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

File Name:

Project:

Folder: Browse...

Created File:

< Back Next > **Finish** Cancel Help

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3. MODIFY THE CODE

styles.css:

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```
body, .default {
  line-height: 1.6em;
  font-family: "Lucida Sans Unicode", "Lucida Grande", Sans-Serif;
  font-size: 12px;
  color: #669;
}

#one-column-emphasis
{
  margin: 45px;
  /*Specify the width of the table*/
  width: 480px;
  text-align: left;
  /*Does not leave space between the rows and columns of the table */
  border-collapse: collapse;
}

#one-column-emphasis caption
{
  font-size: 20px;
}

#one-column-emphasis th
{
  font-size: 14px;
  font-weight: normal;
  padding: 12px 15px;
  color: #039;
}
```


3. MODIFY THE CODE

styles.css:

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```
#one-column-emphasis td
{
    padding: 10px 15px;
    color: #669;
    border-top: 1px solid #e8edff;
}

.oe-first
{
    background: #d0dafd;
    border-right: 10px solid transparent;
    border-left: 10px solid transparent;
}

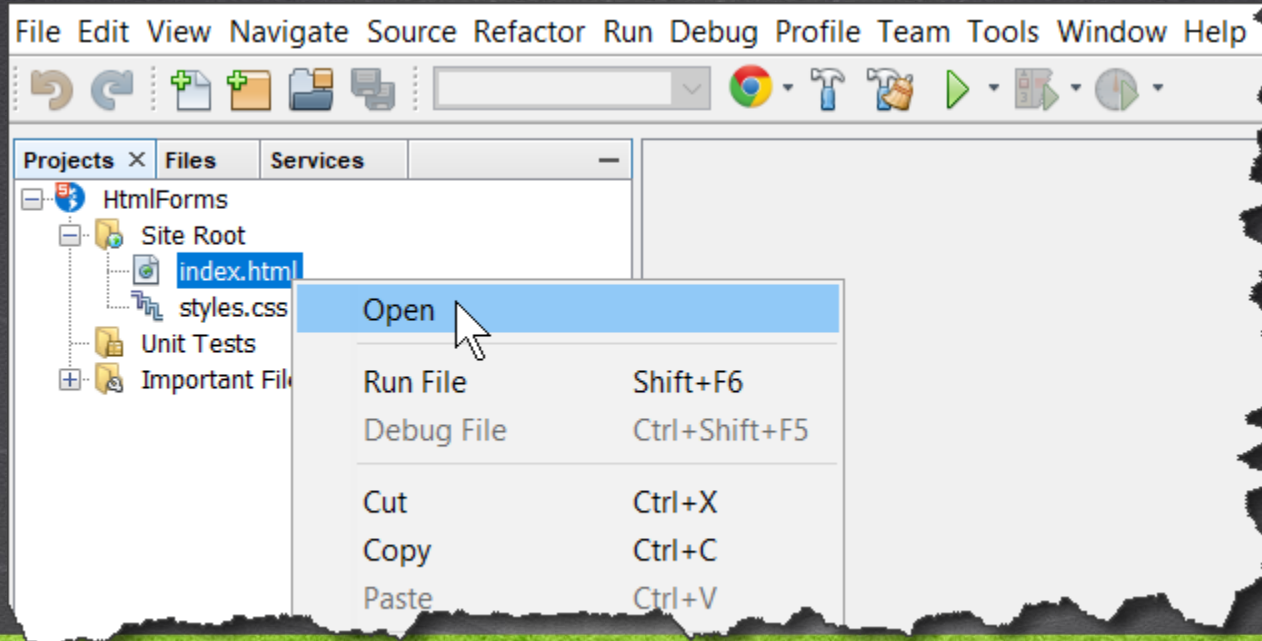
#one-column-emphasis tr:hover td
{
    color: #339;
    background: #eff2ff;
}
```

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4. MODIFY THE FILE

Modify the index.html file:



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5. MODIFY THE CODE

[index.html:](#)

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```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Html Forms</title>
    <link rel="stylesheet" type="text/css" href="styles.css">
  </head>
  <body>
    <form name="form1" action="/resourceOnServer" method="post">

      <input type="hidden" name="hidden" value="hiddenValue">

      <table width="200" id="one-column-emphasis">
        <caption>
          Data Registration Form
        </caption>
        <tr>
          <td class="oce-first">
            User:
          </td>
          <td>
            <input class="default" type="text" name="user" value="Write the user"/>
          </td>
        </tr>
      </table>
    </form>
  </body>
</html>
```

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5. MODIFY THE CODE

index.html:

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```
<tr>  
    <td class="oce-first">  
        Password:  
    </td>  
    <td>  
        <input class="default" type="password" name="password">  
    </td>  
</tr>  
<tr>  
    <td class="oce-first">  
        Technologies of Interest  
    </td>  
    <td>  
        Java <input type="checkbox" name="technology" value="java">  
        &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
        .Net <input type="checkbox" name="technology" value="net">  
        &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
        Php <input type="checkbox" name="technology" value="php">  
    </td>  
</tr>  
<tr>  
    <td class="oce-first">  
        Gender  
    </td>  
    <td>  
        Male<input type="radio" name="gender" value="M">  
        &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~<!--generates spaces between the elements horizontally -->  
        Female <input type="radio" name="gender" value="F">  
    </td>  
</tr>
```

5. MODIFY THE CODE

[index.html:](#)

Click to download

```
<tr>
  <td class="oce-first">
    Occupation
  </td>
  <td>
    <select name="occupation" class="default">
      <option value="1">Teacher</option>
      <option value="2">Engineer</option>
      <option value="3">Doctor</option>
      <option value="4" selected>Other</option>
    </select>
  </td>
</tr>
<tr>
  <td class="oce-first">
    Favorite Music
  </td>
  <td>
    <select name="music" multiple class="default">
      <option value="rock">Rock</option>
      <option value="pop">Pop</option>
      <option value="salsa">Salsa</option>
    </select>
  </td>
</tr>
```

5. MODIFY THE CODE

[index.html:](#)

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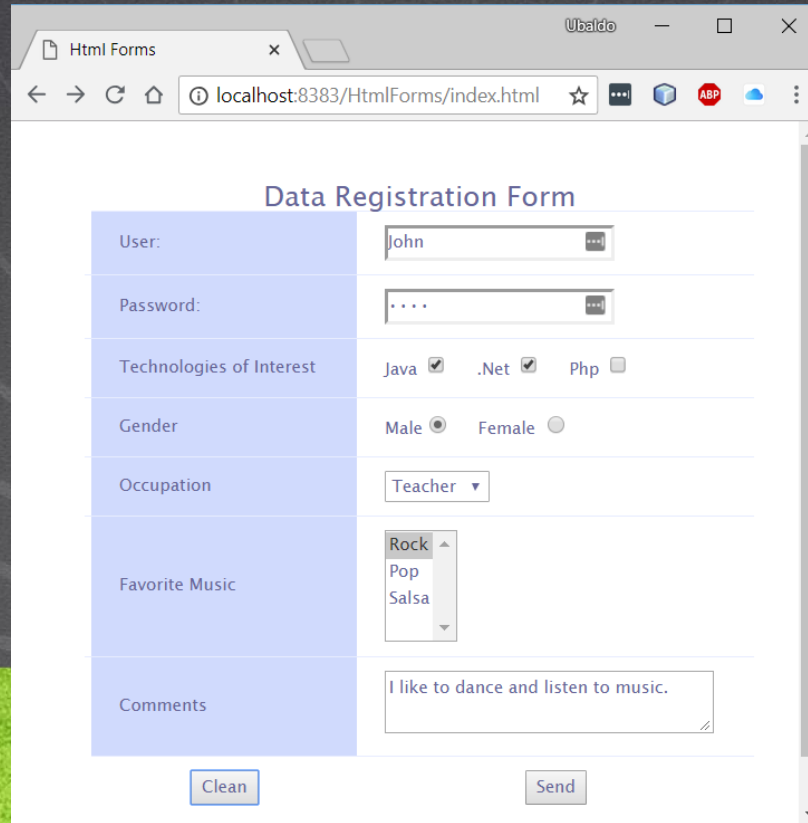
```
<tr>
  <td class="oce-first">
    Comments
  </td>
  <td>
    <textarea name="comments" cols="30" rows="2" class="default">
      Write a text
    </textarea>
  </td>
</tr>
<tr style="text-align:center;">
  <td>
    <input type="reset" value="Clean" class="default">
  </td>
  <td>
    <input type="submit" value="Send" class="default">
  </td>
</tr>
</table>
</form>
</body>
</html>
```

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6. EXECUTE THE PROJECT

The result is as follows:



The screenshot shows a web browser window with the title 'Ubaldo'. The address bar displays 'localhost:8383/HtmlForms/index.html'. The page content is a 'Data Registration Form' with the following fields and values:

Field	Value
User:	John
Password:
Technologies of Interest	Java <input checked="" type="checkbox"/> .Net <input checked="" type="checkbox"/> Php <input type="checkbox"/>
Gender	Male <input checked="" type="radio"/> Female <input type="radio"/>
Occupation	Teacher
Favorite Music	Rock
Comments	I like to dance and listen to music.

At the bottom of the form, there are two buttons: 'Clean' and 'Send'.

NOTE OF THIS EXERCISE

- In this example the information is not being sent to any server, that we will study in the next course. But we have ready the form that we will work on in the next course. The important thing here is to understand and inspect the HTML elements that we use to create the form.

EXERCISE COURSE

- With this exercise we have created an HTML form with several of the components that we will most commonly use in our Web applications.
- In the next chapter, we will see how to validate a form using JavaScript.
- Finally, in the next course we will see how to process this information from a Java server using Servlets and JSPs.

ONLINE COURSE

HTML CSS & JAVASCRIPT

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