

HTML, CSS AND JAVASCRIPT COURSE

LAB

STUDY CASE

CSS PROJECT

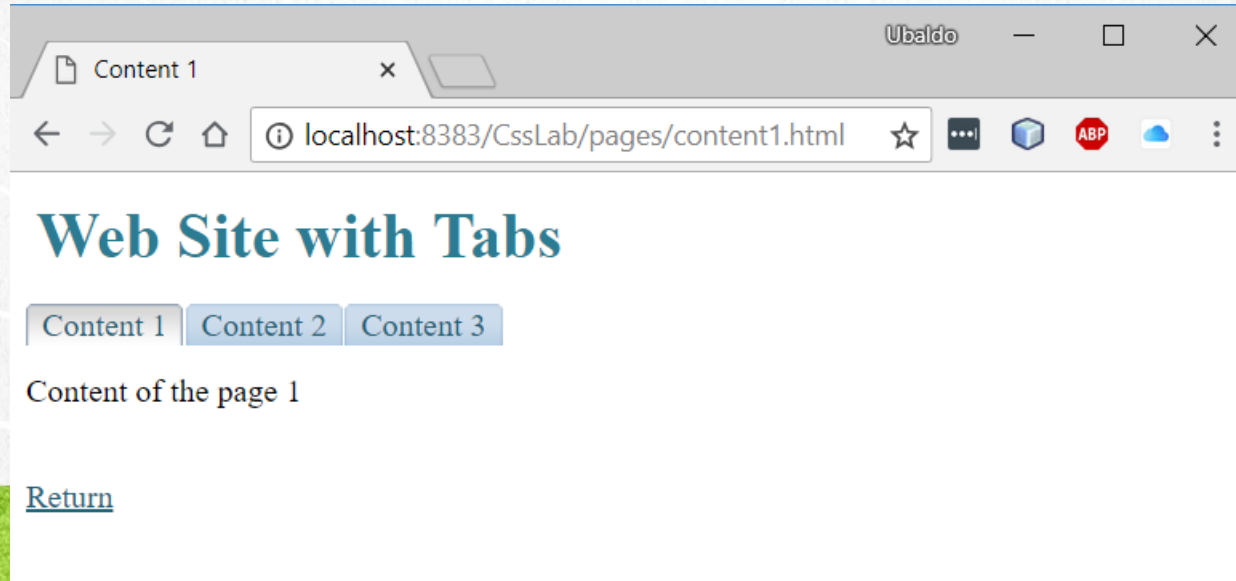


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LAB OBJECTIVE

It is requested to analyze the CSS Laboratory project, which contains the following output. The objective is to understand how the tabs were created and analyze the styles that were applied:



1. CREATE A NEW PROJECT

Create a new project:

The screenshot shows the 'New HTML5/JS Application' dialog box. On the left, under 'Steps', the second step 'Name and Location' is selected. The main area shows the following fields:

- Project Name:** CssLab
- Project Location:** C:\Courses\HTML\Lesson03 (with a 'Browse...' button to the right)
- Project Folder:** C:\Courses\HTML\Lesson03\CssLab

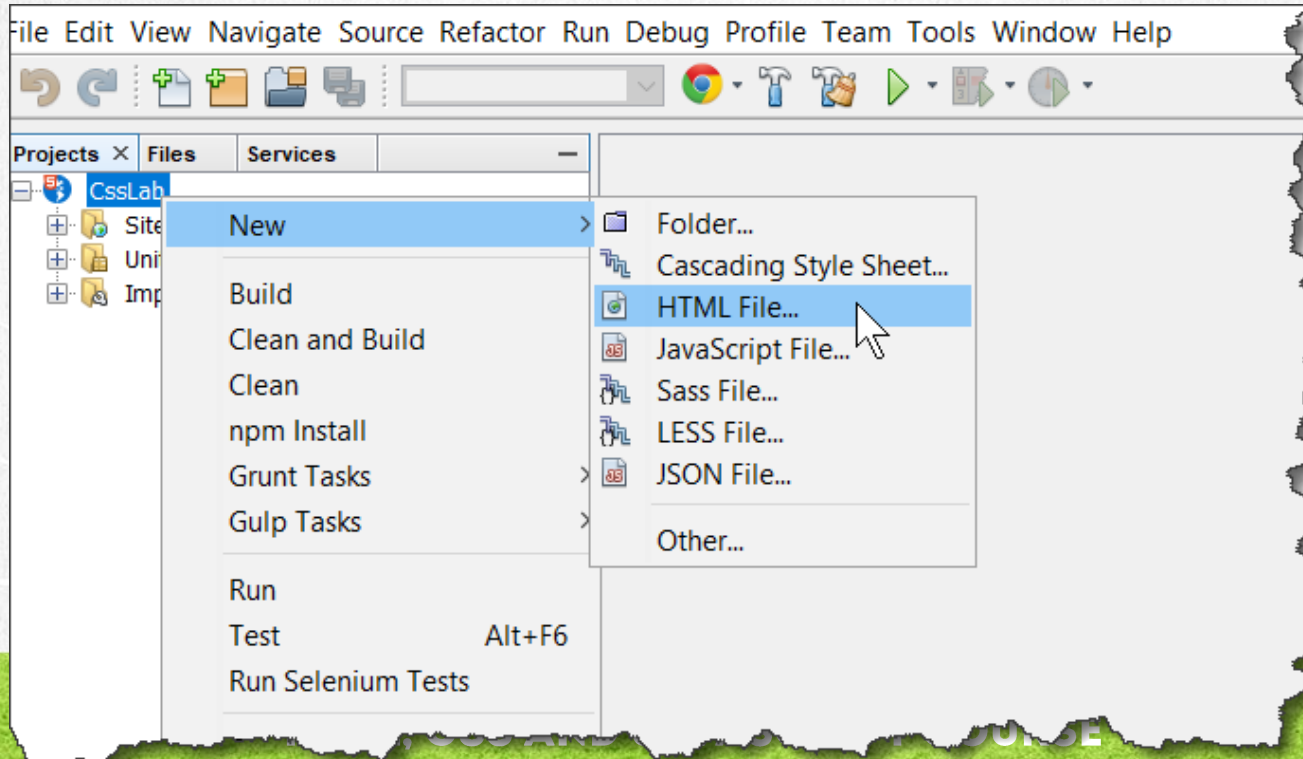
At the bottom, there are five buttons: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'. A red arrow points to the 'Finish' button, which is also highlighted with a yellow border.

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2. CREATE A NEW FILE

Create a new file:



2. CREATE A NEW FILE

Create a new file:

New HTML File

Steps

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

Name and Location

File Name:

Project:

Folder:

Created File:

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3. MODIFY THE CODE

[content1.html:](#)

Click to download

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet" type="text/css" href="../css/styles.css">
    <title>Content 1</title>
  </head>
  <body>
    <h1>Web Site with Tabs</h1>
    <div class="tab" id="current">
      <div>
        <a href="content1.html">Content 1</a>
      </div>
    </div>
    <div class="tab">
      <div>
        <a href="content2.html">Content 2</a>
      </div>
    </div>
    <div class="tab">
      <div>
        <a href="content3.html">Content 3</a>
      </div>
    </div>
    <br/>
    <p>
      Content of the page 1
    </p>
    <br>
    <a href="../index.html">Return</a>
  </body>
</html>
```

4. CREATE A NEW FILE

Create a new file:

The screenshot shows a 'New HTML File' dialog box with the following details:

- Steps:**
 1. Choose File Type
 2. **Name and Location**
- Name and Location:**
 - File Name:** content2
 - Project:** CssLab
 - Folder:** pages
 - Created File:** C:\Courses\HTML\Lesson03\CssLab\public_html\pages\content2.html
- Buttons:** < Back, Next >, **Finish** (highlighted with a red arrow), Cancel, Help

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5. MODIFY THE FILE

[content2.html:](#)

Click to download

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet" type="text/css" href="../css/styles.css">
    <title>Content 2</title>
  </head>
  <body>
    <h1>Web Site with Tabs</h1>
    <div class="tab" >
      <div>
        <a href="content1.html">Content 1</a>
      </div>
    </div>
    <div class="tab" id="current">
      <div>
        <a href="content2.html">Content 2</a>
      </div>
    </div>
    <div class="tab">
      <div>
        <a href="content3.html">Content 3</a>
      </div>
    </div>
    <br/>
    <p>
      Content of the page 2
    </p>
    <br>
    <a href="../index.html">Return</a>
  </body>
</html>
```


6. CREATE A NEW FILE

Create a new file:

The screenshot shows a 'New HTML File' dialog box with the following details:

- Steps:**
 1. Choose File Type
 2. **Name and Location**
- Name and Location:**
 - File Name:** content3
 - Project:** CssLab
 - Folder:** pages
 - Browse...** button
 - Created File:** C:\Courses\HTML\Lesson03\CssLab\public_html\pages\content3.html
- Buttons:** < Back, Next >, **Finish** (highlighted with a red arrow), Cancel, Help

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7. MODIFY THE FILE

[content3.html:](#)

Click to download

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet" type="text/css" href="../css/styles.css">
    <title>Content 3</title>
  </head>
  <body>
    <h1>Web Site with Tabs</h1>
    <div class="tab" >
      <div>
        <a href="content1.html">Content 1</a>
      </div>
    </div>
    <div class="tab">
      <div>
        <a href="content2.html">Content 2</a>
      </div>
    </div>
    <div class="tab" id="current">
      <div>
        <a href="content3.html">Content 3</a>
      </div>
    </div>
    <br/>
    <p>
      Content of the page 3
    </p>
    <br>
    <a href="../index.html">Return</a>
  </body>
</html>
```

8. CREATE A NEW FILE

Create a new file:

New Cascading Style Sheet

Steps

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

Name and Location

File Name:

Project:

Folder:

Created File:

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9. MODIFY THE FILE

[styles.css:](#)

Click to download

```
/*Note: You can download the images to the css folder
and just put the name of the image, no longer the full URL */
body {
    background:#ffffff;
}

img{border:0;}

h1{
    padding:5px 5px 0 5px;
    margin:0 0 15px 0;
    color:#2b7c92;
    font-size:2em;
}
```

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9. MODIFY THE FILE

[styles.css:](#)

Click to download

```
/**
 * To create the tabs, a
 * technique, which by means of 3 blocks
 * div type, let's go adding
 * in a nested way the images, until forming
 * all elements of the image
 */

div.tab{
    background-image:url(http://icursos.net/cursos/HTML/Leccion03/IntroduccionCSS/LaboratorioCSS1/img/izqTab.gif) ;
    display:block;
    float:left;
    height:21px;
    padding:0;
    /* Separation between tabs*/
    margin:0 1px 0 0;
    /*The image on the left does not repeat
    * By default an image is repeated
    * in all the space you have to scroll */
    background-repeat:no-repeat;
}
```

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9. MODIFY THE FILE

styles.css:

Click to download

```
div.tab div{
    background-image:url(http://icursos.net/cursos/HTML/Leccion03/IntroduccionCSS/LaboratorioCSS1/img/derTab.gif) ;
    background-repeat:no-repeat;
    background-position:top right;
    height:21px;
    float:left;
    margin:0;
}

div.tab div a{
    /*
    * The images of the left and right they have a width of 8px, therefore
    * We leave this space to be completed the corners
    */
    margin:0 8px;
    height:21px;
    line-height:21px;
    background-image:url(http://icursos.net/cursos/HTML/Leccion03/IntroduccionCSS/LaboratorioCSS1/img/centroTab.gif) ;
    display:block;
    text-decoration:none;
    vertical-align:middle;
    float:left;
    /*
    * By default the image is repeated
    * but we do it explicitly
    */
    background-repeat:repeat;
}
```

9. MODIFY THE FILE

[styles.css:](#)

Click to download

```
/**
 * There is only one active element
 * on the page, therefore
 * an ID (#) is used, instead
 * of a class (.)
 */
#current{
    background-image:url(http://icursos.net/cursos/HTML/Leccion03/IntroduccionCSS/LaboratorioCSS1/img/actIzqTab.gif);
}

#current div{
    background-image:url(http://icursos.net/cursos/HTML/Leccion03/IntroduccionCSS/LaboratorioCSS1/img/actDerTab.gif);
}

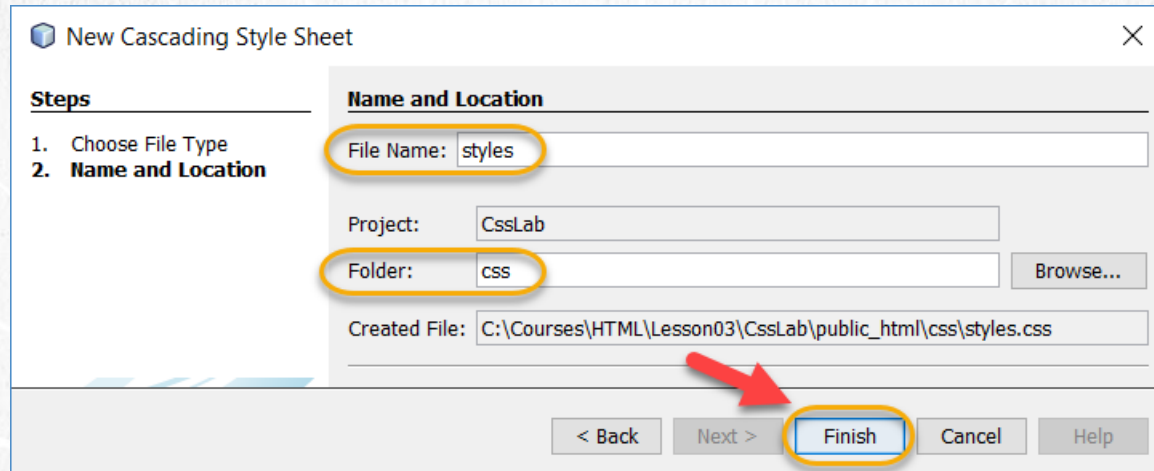
#current div a{
    background-image:url(http://icursos.net/cursos/HTML/Leccion03/IntroduccionCSS/LaboratorioCSS1/img/actCentroTab.gif);
}

a:link,a:visited{
    color:#226275;
    text-decoration:underline;
}

a:active,a:hover{
    color:#39a5c4;
}
```

10. MODIFY THE FILE

Modify the index.html file:



10. MODIFY THE FILE

[index.html:](#)

Click to download

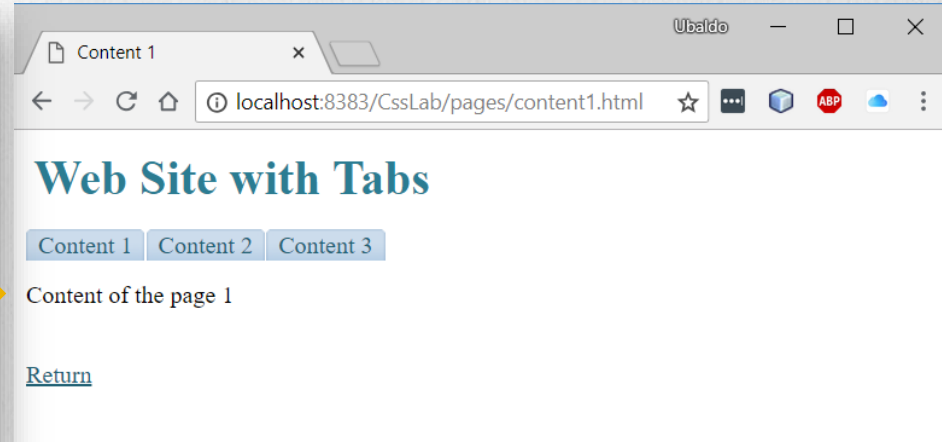
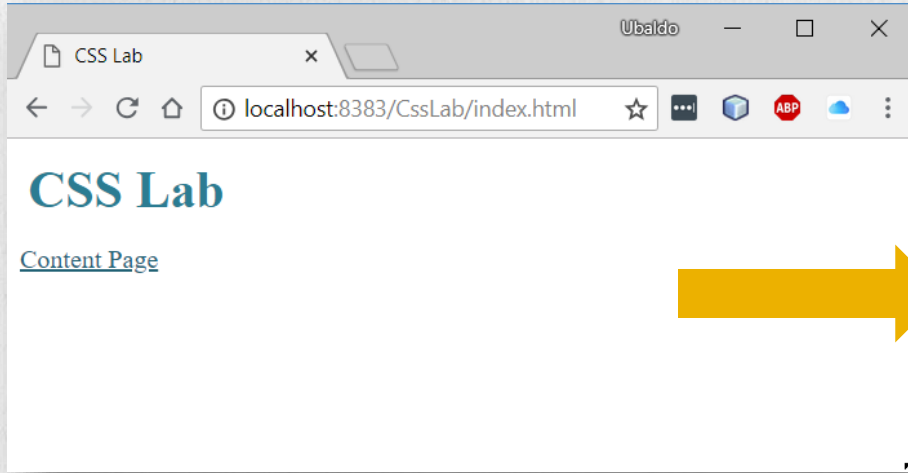
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet" type="text/css" href="css/styles.css">
    <title>CSS Lab</title>
  </head>
  <body>
    <h1>CSS Lab</h1>
    <a href="pages/content1.html">Content Page</a>
  </body>
</html>
```

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11. EXECUTE THE PROJECT

The result is as follows:



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EXERCISE CONCLUSION

- With this CSS lab we have put into practice more examples of the use of CSS, we even invite you to try the exercise without the styles.css file so that you can see the difference between using only HTML tags, and adding CSS styles to make a substantial difference in the way in which the information is presented to the user.



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ONLINE COURSE

HTML CSS & JAVASCRIPT

By: Eng. Ubaldo Acosta



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