

Lab 1: Setup Development and Deployment

Contents

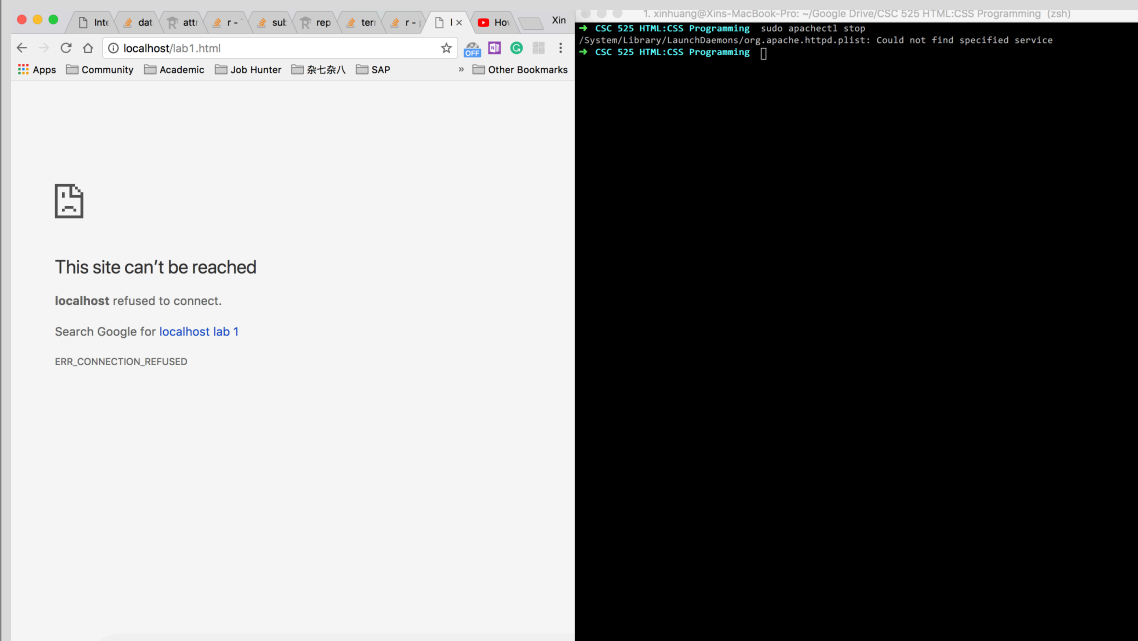
Server (Apache) - Setup.....	1
Code Editor Setup.....	3
DEPLOY YOUR CODE TO WEBSERVER	4
Identify Layouts	5

Server (Apache) – Setup

1. Download and install it.
2. Run and test it.

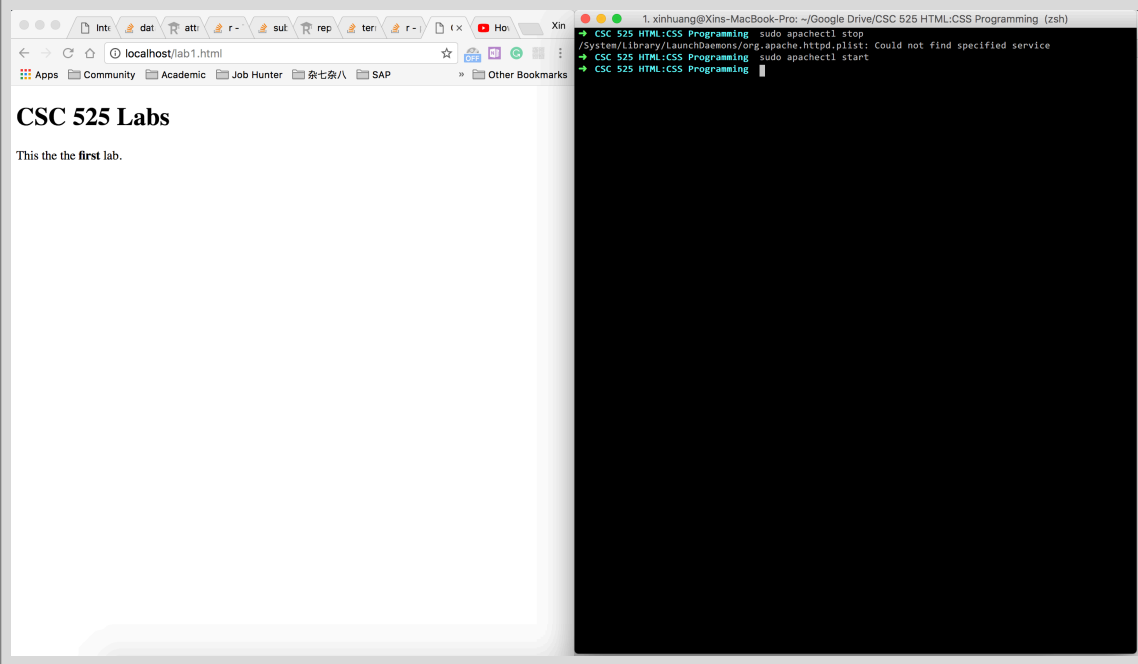
Copy and paste your work to show that it's running.

Firstly, I turned off the Web server. In the screenshot, you can see that localhost was not accessible.



Then I ran the command: `sudo apachectl start`

The server was started now. And I was able to visit the local



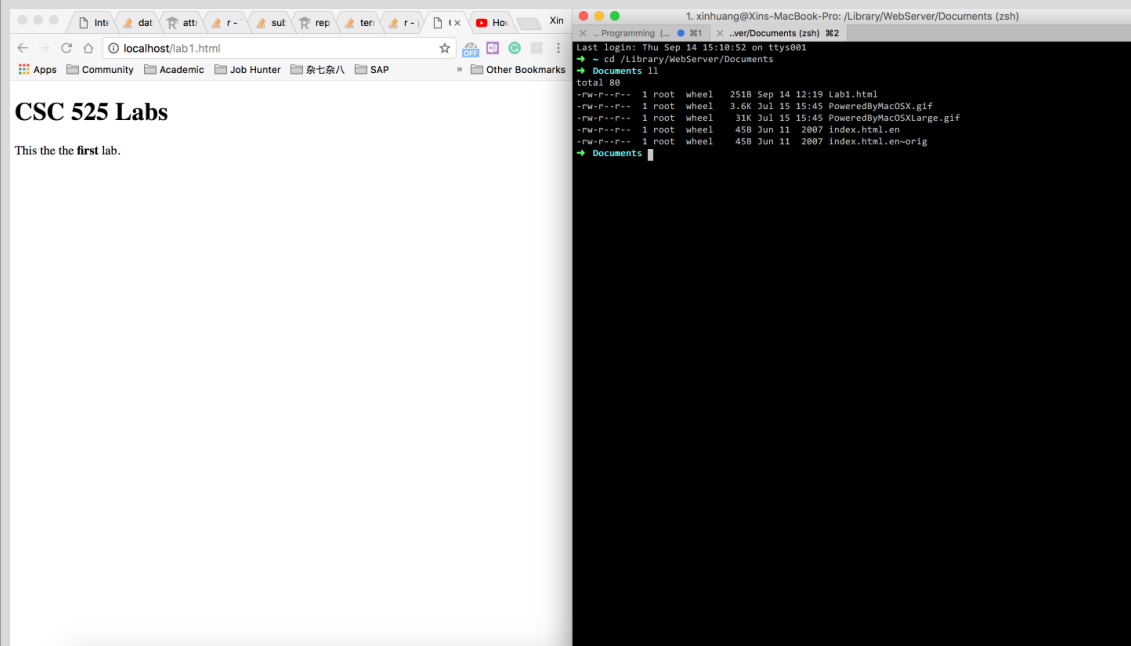
Code Editor Setup

1. Download and install the editor of your choice
 - a. Atom: <https://atom.io/>
 - b. Aptana: <https://www.aptana.com/>
 - c. Or any tools of your choice.
2. Create a simple code that includes the following.
 - a. DOCTYPE
 - b. Head
 - c. Body
 - d. Title
 - e. Paragraph
 - f. H1
 - g. Comment

Copy and paste your work to show that it's running.

```
<!DOCTYPE html>
<html>
  <head>
    <title>CSC 525 Lab1</title>
  </head>
  <body>
    <!--This is a comment. Comments are not displayed in the browser-->
    <h1>CSC 525 Labs</h1>
    <p>This the the <strong>first</strong> lab.</p>
  </body>
</html>
```

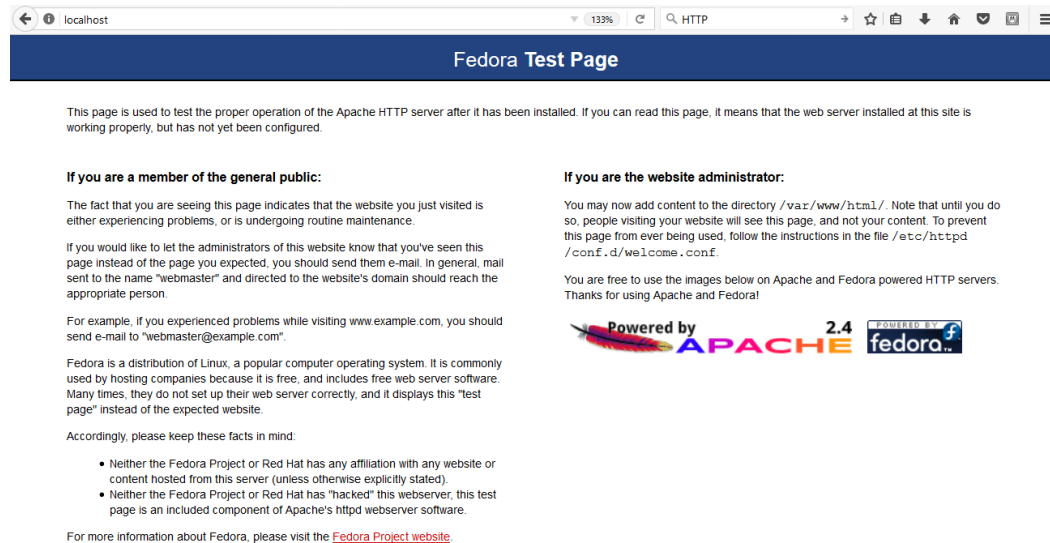
I created a html containing all the elements required. Code is attached in the zip file. And here is a screen of deploying this html file to the server and visit it through Chrome.



DEPLOY YOUR CODE TO WEBSERVER

1. Testing: Open your browser and access the default Apache website. Type in: <http://localhost:80>

If you don't see it, it means you configure it wrong. You're done.



Identify Layouts

Go to a website of their choice and look at all the pages to identify the various layouts.

1. Do all the pages in the selected website have the same layout? If not, how do the different layouts serve the purposes of the pages? F12

<https://www.youtube.com/>

This is the column I suspected. When browsing it, you can tell almost all the pages can be divided into two columns.

In the main page, left column is a list of options for the user and all suggested videos are organized in table in the right column. When you watch the video, the left column is where the video at and another list of suggested video is in the right column.

The consistency among pages provides user experience. Or the whole website will look messy and not related. Also from a developer of view, it is way easier to maintain the code base as a lot of UI modules and controls can be reused in this case.

