

CSCI 165 (FLEX) Lab#6

Usually, a lab is made available on Wednesday, and due by Friday midnight of the same week.

In this lab, you will learn how to include a YouTube video into a Web page (actually, only the video's link is embedded).

Requirements:

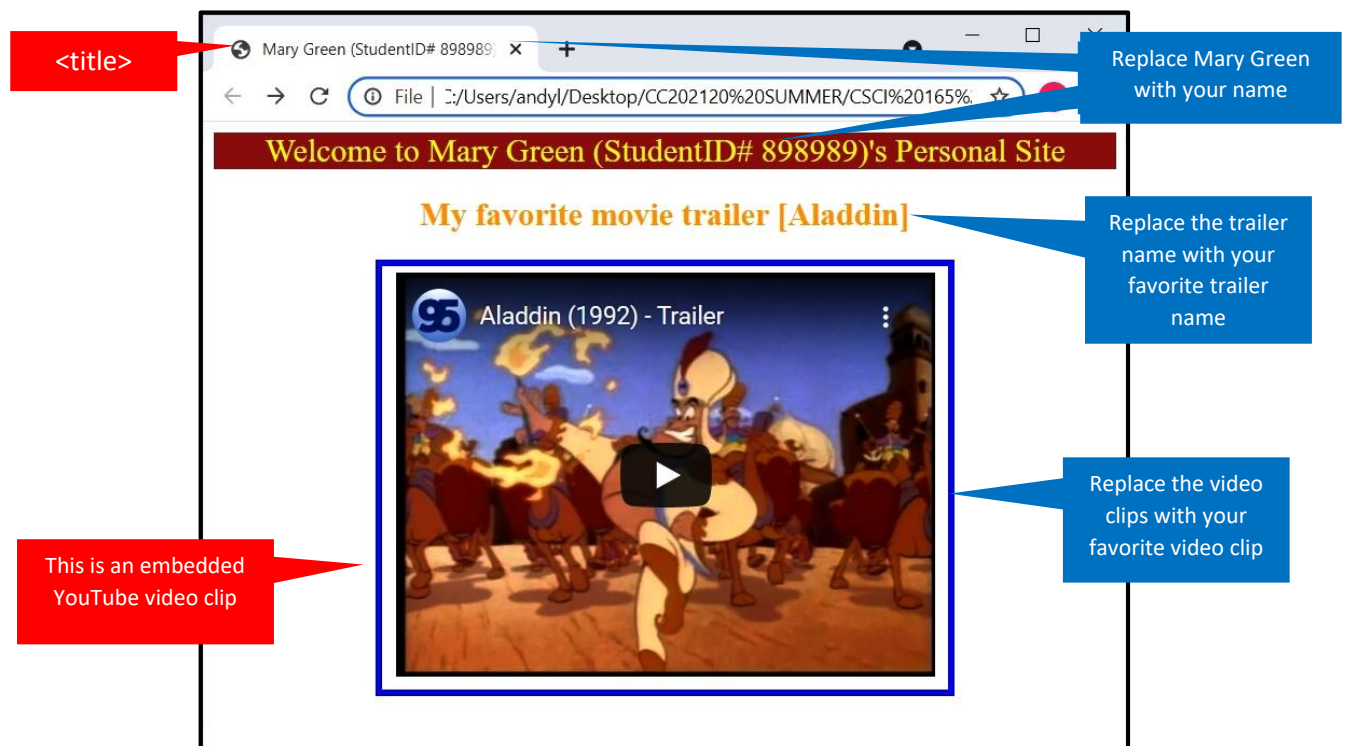
Step 1: Download the work file

Download the **index.html** from the course website. In this lab, you only need to modify **index.html**.

Note: Since there is only one file, you don't have to zip it when submitting your work. Don't change the file name of "index.html".

Step 2: Look at the following sample page

Look at the following sample page to have some ideas of what needs to be done.



Step 3: Learn how to embed a YouTube video into a Web page.

To embed a YouTube video into a Web page, you actually embed the video's link. The steps are:

1. Visit the YouTube site and search for a video clip (about **Your favorite movie trailer**)
2. Play the video. Under the video, click Share. Click Embed.
3. From the box that appears, copy the HTML code (include tags `<iFrame>` and `</iFrame>`)
4. Paste the code (it contains a few lines of code) into index.html.

Step 4: Create the index.html page

The following sample code is for a student named Mary Green. Modify it:

- Replace “Mary Green (Student ID# 898989)” with your name
- Mary’s favorite movie trailer video clip is Aladdin. Replace it with your favorite movie trailer video clip. (Note: you cannot use Aladdin for this lab)

Modify the following code (using your information instead) to complete this lab.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <style>
5     header {
6       background-color: brown;
7       color: yellow;
8       font-size: 24px;
9       text-align: center;
10    }
11    h2 {
12      color: orange;
13    }
14    section {
15      text-align: center;
16    }
17    .video {
18      border: solid blue 5px;
19      padding: 5px;
20      width: 410px;
21      margin: auto;
22    }
23  </style>
24  <title>Mary Green (StudentID# 898989)'s Website</title>
25 </head>
26
27 <body>
28   <header>
29     Welcome to Mary Green (StudentID# 898989)'s Personal Site
30   </header>
31
32   <section>
33     <h2>My favorite movie trailer [Aladdin]</h2>
34     <article class="video">
35       <iframe width="400" height="300"
36       src="https://www.youtube.com/embed/8HrmBXgiwDU"
37       frameborder="0" allow="accelerometer; autoplay;
38       encrypted-media; gyroscope; picture-in-picture"
39       allowfullscreen></iframe>
40     </article>
41   </section>
42 </body>
43 </html>
```

Replace these lines of code which are copied from YouTube.

Read Step (3) to learn how to embed your favorite YouTube Video link

Step 5: Save index.html

Step 6: Launch (i.e., Run) index.html on a browser (fix any errors found). Elements on the page should have the same format as shown in step (2).

Step 7: Upload the index.html (DON'T change its name)

Upload the index.html to the submission link “Lab#6_Desc_Submission” on the Moodle course website.

Assessment

The following penalties will be applied when assessing your work. Penalty will also be applied to overall quality of work.

(Note: assessment on quality is subject to the decision of the instructor)

Web page/site do not display anything on the browser (i.e., there are error in your code, fix them before submitting you work)	-100% The most common mistake is “spelling error”. Since the source code of the program is given, a request of sending your work to instructor before deadline and checking your code will not be accepted. Please use the features provided by the IDE, go through the program line by line, word by word and you can fix the error.
Requirements not fulfilled	Up to -100%; it depends on the % of requirements completed
Incorrect file name(s)	-5% per incorrect name (e.g., index.html.html, index(1).html, etc. are incorrect)
Unorganized code, improper code formatting,	Up to -30% (use Tab key instead of “a number of spaces” to make indentation, i.e., when you need to move a code statement to the right with indentation)