

Group 2 Web Project for ITC 6355

Web Application Design & Dev

Media Website

A dark blue diagonal gradient bar that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.

The Team

GROUP 2 CONTRIBUTORS

- **Rasesh Saraiya**
- **Soledad Sugai**
- **Shifa Zhang**
- **Preeyanan Wachirakantapong**
- **Aniket Ankush Kondhalkar**
- **Dongjun Park**
- **Susan Vecchi**

Website Architecture

We built our site in an encapsulated development environment, but in the industry, we would have placed our project files under a “site” in the web root folder of a server with Windows Apache, Windows IIS (Internet Information Services) or Unix Apache/Tomcat web platform.

Launching web sites

Under whatever platform you build your website, you must know a few basic bits of information in order to launch it or make it accessible to your audience:

- Protocol: http or https (secure)
- Hostname or URL for web root
- Port

Launching Web Sites URL examples

To illustrate, you have a website application called 'studentproject.com' on a server named 'NU3456.neu.edu', and you wish to host it on a secure port (443), you could launch it as follows:

From anywhere:

<https://studentproject.com:443>

<https://studentproject.com>

From the server where you built it:

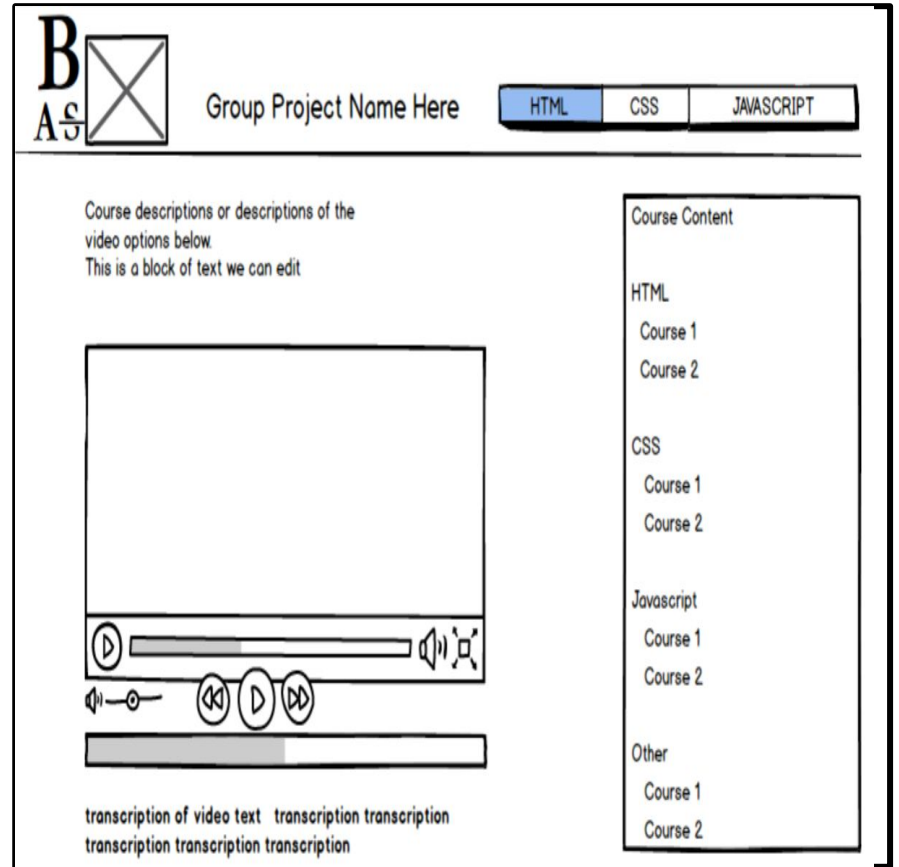
<https://localhost/index.html>

<https://127.0.0.1/index.html>

The Group 2 Project Concept

Our project methodology was to incorporate the key technologies of our class into a collaborative and interactive media website utilizing HTML, CSS, Logo Design, Javascript, PHP and a backend MySQL database).

The Mockup



Development and Collaboration Platforms Utilized

Group 2 collaborated through the following channels:

SLACK – for team communications, code & document sharing and site previews

GITHUB – for code deployments (uploads/downloads) and version control management

Ubuntu Web environment – to host our code

Development and Collaboration Platforms Screenshots (SLACK & UBUNTU)

The image displays two overlapping screenshots. The top screenshot shows a Slack interface for a workspace named 'ITC6355'. The left sidebar lists channels: '# general' (selected), '# random', and 'Direct Messages' (including 'slackbot', 'Sue Vecchi (you)', 'Aniket', and 'Dongjun Park'). The main area shows the '#general' channel history with messages from Leon, Soledad, Shifa, and Preeyanan. A PDF file named 'Group Project_Logo.pdf' (76 kB) is attached at the bottom. The bottom screenshot shows a terminal window titled 'ITC6355' with a dark background. It displays system information (Memory usage: 12%, Swap usage: 0%, IP address: 10.0.3.5), a message about MicroK8s, cloud support links, and system updates. The terminal shows a successful login for 'vecchi@GtITC' and a prompt for a system restart. The SolarWinds Solar-PuTTY logo and copyright notice are visible at the bottom of the terminal window.

ITC6355 Sue Vecchi

Jump to...

All Threads

Channels

- # final-project
- # general
- # random

Direct Messages

- slackbot
- Sue Vecchi (you)
- Aniket
- Dongjun Park

#general

joined #general.

Leon 11:29 AM
Hi, thank you to add me to your group stack

Soledad 12:01 PM
joined #general.

Shifa 12:55 PM
@Leon Welcome

Preeyanan 2:04 PM
I am using Windows, I will install Git and try the commands above.

Preeyanan 4:41 PM
Logo

PDF

Group Project_Logo.pdf
76 kB PDF

ITC6355

Memory usage: 12% IP address for eth0: 10.0.3.5
Swap usage: 0%

* MicroK8s is Kubernetes in a snap. Made by devs for devs.
One quick install on a workstation, VM, or appliance.
- <http://bit.ly/microk8s>

Get cloud support with Ubuntu Advantage Cloud Guest:
<http://www.ubuntu.com/business/services/cloud>


* Canonical Livepatch is available for installation.
- Reduce system reboots and improve kernel security. Activate at:
<https://ubuntu.com/livepatch>

2 packages can be updated.
0 updates are security updates.


*** System restart required ***
Last login: Thu Dec 6 17:41:33 2018 from 129.10.42.213
vecchi@GtITC:~\$
vecchi@GtITC:~\$
vecchi@GtITC:~\$
vecchi@GtITC:~\$
vecchi@GtITC:~\$
vecchi@GtITC:~\$
vecchi@GtITC:~\$

solarwinds | Solar-PuTTY free tool | © 2018 SolarWinds Worldwide, LLC. All rights reserved.

First iteration



About Group 4	VIDEO ARCHIVE	HTML	CSS	JAVASCRIPT	ABOUT
---------------	---------------	------	-----	------------	-------



```
<!DOCTYPE html>
<HTML lang="en-US">
  <HEAD>
    <TITLE> My first HTML 5 document </TITLE>
    <META charset="utf-8" />
    <META name="keywords" content="tutorial,video,HTML 5" />
    <META name="description" content="A video about HTML 5 doc structure" />
  </HEAD>
  <BODY>
    <p> Hello world!</p>
  </BODY>
</HTML>
```

COURSE CONTENT

HTML
[Item 1]
[Item 2]
CSS
[Item 1]
[Item 2]
Javascript
[Item 1]

First Layout Index.html (preview)

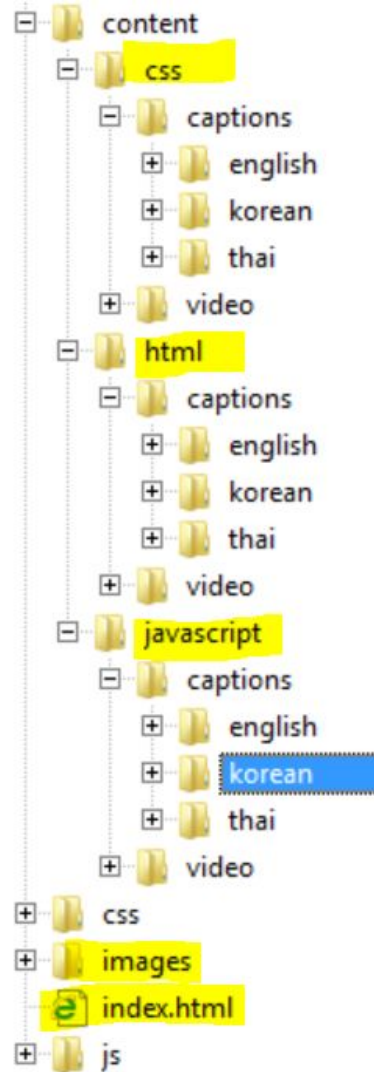
```
1  <!doctype html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <title>Group4Project</title>
6  </head>
7
8  <body>
9    
10
11    <div class="PRIMARYhdr"></div>
12    <nav class="SECONDhdr" id="menu">
13      <table width="880" border="1">
14        <tbody>
15
16          <tr>
17            <td><h3>About Group 4</h3></td>
18            <td><h3>VIDEO ARCHIVE</h3></td>
19            <td><h3>HTML</h3></td>
20            <td><h3>CSS</h3></td>
21            <td><h3>JAVASCRIPT</h3></td>
22            <td><h3>ABOUT</h3></td>
23          </tr>
24        </tbody>
25      </table>
26    </nav>
27  </header>
28  <hr>
29
30    <br>
31    <br>
```

The Logo

Logo file >



Site directory structure



MYSQL Backend Database

<http://40.121.141.32/about.php>

Renders the following HTML

Group 4 is composed
of:

Aniket Ankush
Kondhalkar
Dongjun
Park
Rasesh
Saraiya
Soledad
Sugai
Susan
Vecchi
Preeyanan
Wachirakantapong
Shifa
Zhang

About.php to pull data from MySQL

```
vecchi@GtITC:/var/www/html$  
vecchi@GtITC:/var/www/html$  
vecchi@GtITC:/var/www/html$ cat about.php  
<?php  
  
$link = mysqli_connect('localhost', 'sole', 'neu5355');  
$db='PRODWEB';  
  
if (!$link) {  
    echo 'Unable to connect to the database server.';  
    exit();  
}  
  
if (!mysqli_select_db($link, $db)) {  
    echo 'Unable to locate the '.$db.' database.';  
    exit();  
}  
  
echo "Group 4 is composed of:<br><br>";  
  
$sql = "SELECT * FROM PERSON ORDER BY LNAME ASC;";  
$results = mysqli_query($link,$sql);  
while($row = mysqli_fetch_assoc($results)){  
    echo $row['FNAME'].' '.$row['LNAME'].'<br>';  
}  
  
?>
```

Videos and Captions

htmlVideo2_KoreanCaption.vtt - Notepad

File Edit Format View Help

WEBVTT

00:00:00.030 --> 00:00:01.999
HTML 첫번째 강의영상에 오신것을

00:00:02.000 --> 00:00:04.999
환영합니다. 소개영상을 보고 오셨다면

00:00:05.000 --> 00:00:06.999
우리는 메모장을

00:00:07.000 --> 00:00:09.999
주로 활용할 거라는 걸 아실텐데요.

00:00:10.000 --> 00:00:12.999
그럼 이제 메모장을 켜고

00:00:13.000 --> 00:00:14.998
준비하시면 이 영상들을 시청할

00:00:15.000 --> 00:00:17.999
준비가 끝났습니다.

00:00:18.000 --> 00:00:18.999
혹시 다른 에디터를 가지고 계신다면

htmlVideo2_KoreanCaption.srt - Notepad

File Edit Format View Help

1
00:00:00,030 --> 00:00:01,999
HTML 첫번째 강의영상에 오신것을

2
00:00:02,000 --> 00:00:04,999
환영합니다. 소개영상을 보고 오셨다면

3
00:00:05,000 --> 00:00:06,999
우리는 메모장을

4
00:00:07,000 --> 00:00:09,999
주로 활용할 거라는 걸 아실텐데요.

5
00:00:10,000 --> 00:00:12,999
그럼 이제 메모장을 켜고

6
00:00:13,000 --> 00:00:14,998
준비하시면 이 영상들을 시청할

CSS – A sample screenshot of the index.css file

```
1  * .nav_tab:hover {  
2      background-color: #555;  
3      color: white;  
4  }  
5  
6  #group_info {  
7      display: none;  
8  }  
9  
10 #video_area {  
11     display: block;  
12 }  
13  
14 #video::cue {  
15     background-image: linear-gradient(to bottom, dimgray, lightgray);  
16     color: papayawhip;  
17 }  
18  
19 #video::cue(b) {  
20     color: peachpuff;  
21 }  
22  
23 #media-player {  
24     float: left;  
25     padding: 1em 1em .5em;
```

Javascript

Index.js (page 1 of 4)

```
1 let captionLanguage;  
2 let mediaPlayer;  
3 let playPauseBtn;  
4 let muteBtn;  
5 let progressBar;  
6 document.addEventListener("DOMContentLoaded", function () {  
7     initialiseMediaPlayer();  
8 }, false);  
9  
10 function initialiseMediaPlayer() {  
11     mediaPlayer = document.getElementById('video1');  
12     captionLanguage = document.getElementById("captionLanguage");  
13     playPauseBtn = document.getElementById('play-pause-button');  
14     muteBtn = document.getElementById('mute-button');  
15     progressBar = document.getElementById('progress-bar');  
16     //mediaPlayer.controls = false;  
17     mediaPlayer.addEventListener('play', function () {  
18         playPauseBtn.classList.remove("fa-play");  
19         playPauseBtn.classList.add("fa-pause");  
20     }, false);  
21     mediaPlayer.addEventListener('pause', function () {  
22         playPauseBtn.classList.remove("fa-pause");  
23         playPauseBtn.classList.add("fa-play");  
24     }, false);  
25 }
```

Javascript

Index.js (page 2 of 4)

```
26 mediaPlayer.addEventListener('volumechange', function (e) {
27
28     if (mediaPlayer.muted) {
29         //console.log("In if")
30         muteBtn.classList.remove("fa-volume-up");
31         muteBtn.classList.add("fa-volume-off");
32     } else {
33         //console.log("In else")
34         muteBtn.classList.remove("fa-volume-off");
35         muteBtn.classList.add("fa-volume-up");
36     }
37 }, false);
38
39 mediaPlayer.addEventListener('timeupdate', updateProgressBar, false);
40 captionLanguage.addEventListener("change", changeCaptionLanguage);
41 }
42
43 function togglePlayPause() {
44     if (mediaPlayer.paused || mediaPlayer.ended) {
45         playPauseBtn.classList.remove("fa-play");
46         playPauseBtn.classList.add("fa-pause");
47         //changeButtonType(btn, 'Pause')
48         mediaPlayer.play();
49     } else {
50         playPauseBtn.classList.remove("fa-pause");
51         playPauseBtn.classList.add("fa-play");
```

Javascript

Index.js (page 3 of 4)

```
52     mediaPlayer.pause();
53 }
54 }
55
56 function stopPlayer() {
57     mediaPlayer.pause();
58     mediaPlayer.currentTime = 0;
59     playPauseBtn.classList.remove("fa-pause");
60     playPauseBtn.classList.add("fa-play");
61 }
62 }
63
64 function toggleMute() {
65     if (mediaPlayer.muted) {
66         muteBtn.classList.remove("fa-volume-off");
67         muteBtn.classList.add("fa-volume-up");
68         mediaPlayer.muted = false;
69     } else {
70         muteBtn.classList.remove("fa-volume-up");
71         muteBtn.classList.add("fa-volume-off");
72         mediaPlayer.muted = true;
73     }
74 }
75
76 function updateProgressBar() {
77     var percentage = Math.floor((100 / mediaPlayer.duration) *
```

Javascript

Index.js (page 4 of 4)

```
78     mediaPlayer.currentTime);
79     progressBar.value = percentage;
80     progressBar.style.width = percentage + '%';
81     progressBar.innerHTML = percentage + '% played';
82 }
83
84 function changeCaptionLanguage() {
85     for (i = 0; i < mediaPlayer.textTracks.length; i++) {
86         if (mediaPlayer.textTracks[i].kind == "subtitles" && mediaPlayer.textTracks[i].mode == "disabled") {
87             mediaPlayer.textTracks[i].mode = "showing";
88             //break;
89         } else {
90             mediaPlayer.textTracks[i].mode = "disabled";
91         }
92     }
93 }
94
95 function toggleControls() {
96     var btn = document.getElementById('show-controls');
97     var controls = document.getElementById('media-controls');
98
99     if (mediaPlayer.hasAttribute("controls")) {
100         btn.title = 'Hide Custom controls';
101         btn.innerHTML = 'Hide Custom controls';
102         controls.className = 'show-custom-controls';
103         mediaPlayer.removeAttribute("controls")
```

Presentation of Final Site

<http://40.121.141.32/>

Here we are launching the finished version of the Group 4 website.

Thank you for your
time.

Group 2

QUESTIONS?