# Group 2 Web Project for ITC 6355 Web Application Design & Dev

Media Website

# 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:

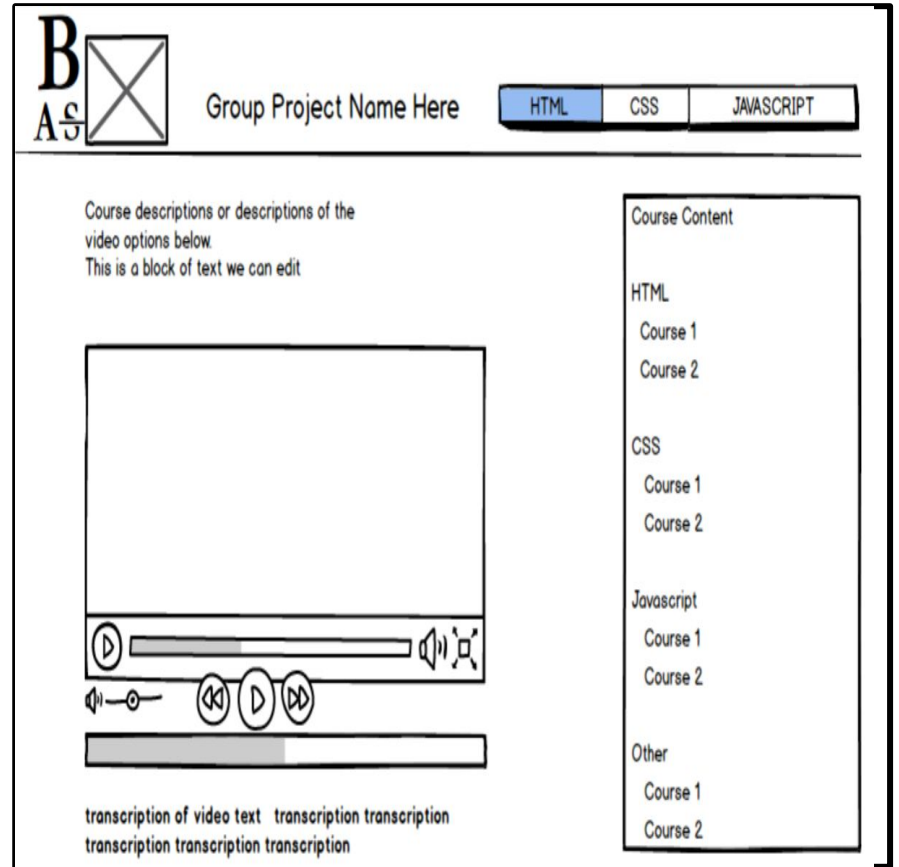https://localhost/index.html

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)

# First iteration

# First Layout Index.html (preview)

```html
1   <!doctype html>
2 ▼ <html>
3 ▼ <head>
4   <meta charset="utf-8">
5   <title>Group4Project</title>
6   </head>
7
8 ▼ <body>
9       <img src="logo 1.png" width="250" height="100" alt=""/>
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
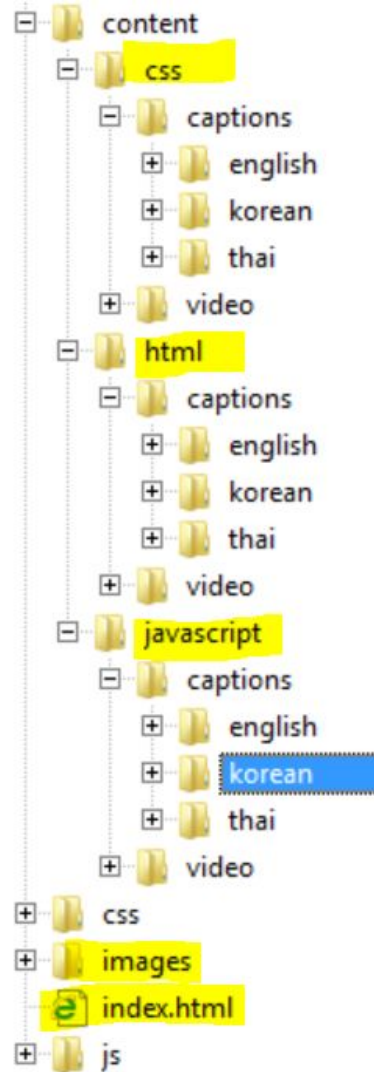
Renders the following HTML

Group 4 is composed of:<br><br>Aniket Ankush Kondhalkar<br>Dongjun Park<br>Rasesh Saraiya<br>Soledad Sugai<br>Susan Vecchi<br>Preeyanan Wachirakantapong<br>Shifa Zhang<br>

# 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

```css
/*.nav_tab:hover {
    background-color: #555;
    color: white;
}

#group_info {
    display: none;
}

#video_area {
    display: block;
}

#video::cue {
    background-image: linear-gradient(to bottom, dimgray, lightgray);
    color: papayawhip;
}

#video::cue(b) {
    color: peachpuff;
}

#media-player {
    float: left;
    padding: 1em 1em .5em;
```

# Javascript

# Index.js (page 1 of 4)

```javascript
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)

```javascript
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)

```javascript
                mediaPlayer.currentTime);
        progressBar.value = percentage;
        progressBar.style.width = percentage + '%';
        progressBar.innerHTML = percentage + '% played';
    }

    function changeCaptionLanguage() {
        for (i = 0; i < mediaPlayer.textTracks.length; i++) {
            if (mediaPlayer.textTracks[i].kind == "subtitles" && mediaPlayer.textTracks
                mediaPlayer.textTracks[i].mode = "showing";
                //break;
            } else {
                mediaPlayer.textTracks[i].mode = "disabled";
            }
        }
    }

    function toggleControls() {
        var btn = document.getElementById('show-controls');
        var controls = document.getElementById('media-controls');

        if (mediaPlayer.hasAttribute("controls")) {
            btn.title = 'Hide Custom controls';
            btn.innerHTML = 'Hide Custom controls';
            controls.className = 'show-custom-controls';
            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?