

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 and extends towards the top right, 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 (Ubuntu server and web platform built by Shifa)

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:

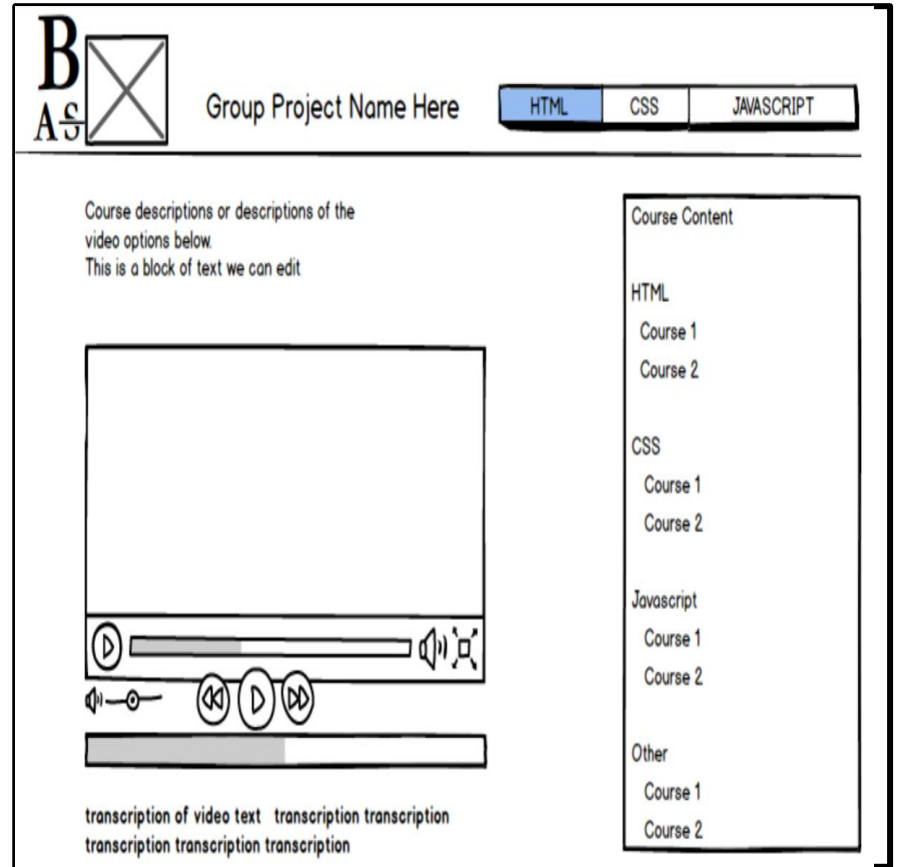
<https://localhost/index.html>

<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 (Built by Sue using Balsamiq)



First iteration



About Group 4

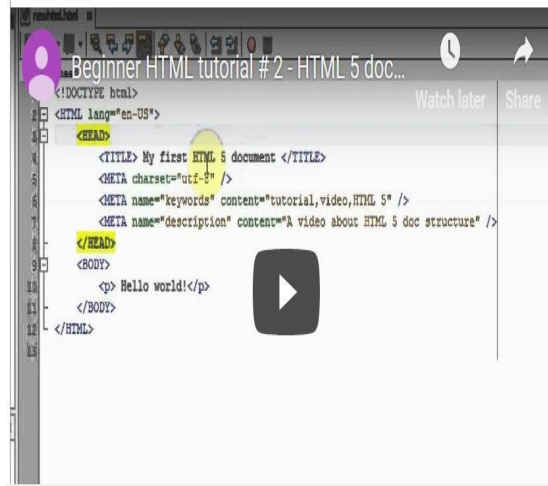
VIDEO ARCHIVE

HTML

CSS

JAVASCRIPT

ABOUT



COURSE CONTENT

HTML

[\[Item 1 \]](#)

[\[Item 2 \]](#)

CSS

[\[Item 1 \]](#)

[\[Item 2 \]](#)

Javascript

[\[Item 1 \]](#)

First Layout Index.html (preview)

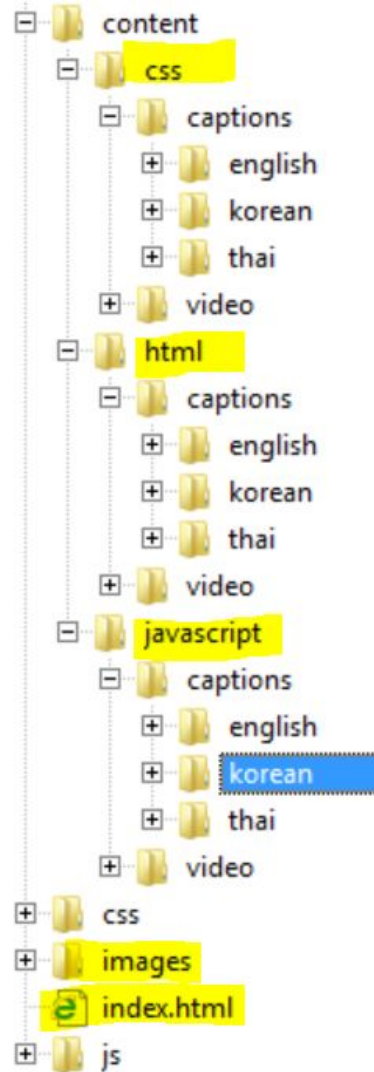
```
1  <!doctype html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <title>Group4Project</title>
6  </head>
7
8  <body>
9    
10
11    <div class="PRIMARYhdr"></div>
12    <nav class="SECONDhdr" id="menu">
13      <table width="880" border="1">
14        <tbody>
15
16          <tr>
17            <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 (developed by Preeyanan)

Logo file >



Site directory structure



MYSQL Backend Database (Built by Soledad)

<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 (written by Soledad)

```
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 (Built by Dongjun Park)

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
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6

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

CSS

(Applied by Rasesh)

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 (Designed & developed by Rasesh)

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 (Designed & developed by Rasesh)

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 (Designed & developed by Rasesh)

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 (Designed & developed by Rasesh)

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?