

# Group 4 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

## 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:

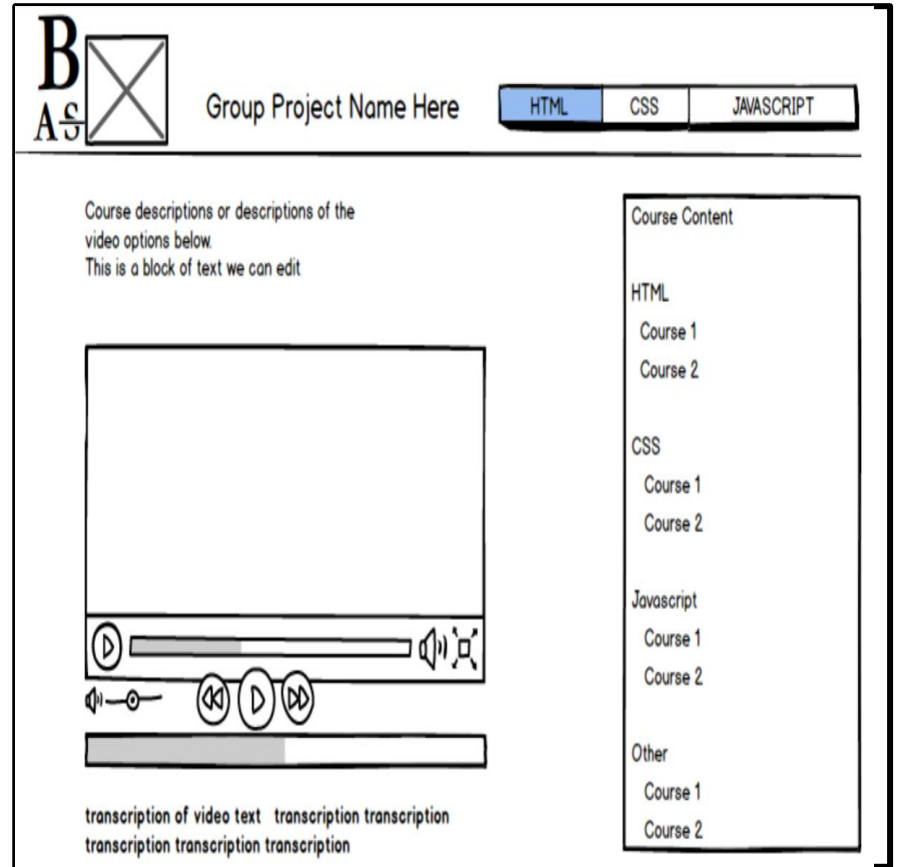
<https://localhost/index.html>

<https://127.0.0.1/index.html>


# The Group 4 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
---------------	---------------	------	-----	------------	-------



```
<!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
<a href="#">[ Item 1 ]</a>
<a href="#">[ Item 2 ]</a>
CSS
<a href="#">[ Item 1 ]</a>
<a href="#">[ Item 2 ]</a>
Javascript
<a href="#">[ Item 1 ]</a>



# First Layout Index.html (preview)

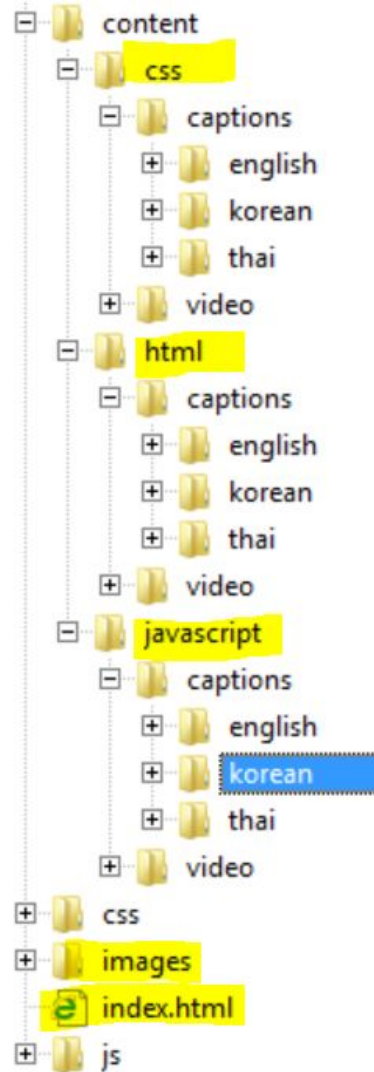
```
1  <!doctype html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <title>Group4Project</title>
6  </head>
7
8  <body>
9    
10
11    <div class="PRIMARYhdr"></div>
12    <nav class="SECONDhdr" id="menu">
13      <table width="880" border="1">
14        <tbody>
15
16          <tr>
17       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

# 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.

**QUESTIONS?**