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Class: Computer Science 2
Module: Web Authoring
Assignment: Design and produce an Interactive Website
Tutor: Carol Ward

1. Introduction

As part of my QQI Level 6 Web Authoring module, I have been tasked with designing an interactive website using both HTML and Javascript. The website must function as an organisational directory. I have decided to aim my target audience for professional wrestling and focus heavily on the World Wrestling Entertainment. The website will intend to give an insight to fellow professional wrestling fans, and wrestling bookers a look at who runs the company and what positions they hold within it, as well as the current top superstars (wrestlers) that are signed with the WWE.

This website will include six main links; a Home page, which will feature a slideshow of news five to six news articles, detailing what's happening right now in the world of WWE. It will also have a button to show the user the current time.

The second link will be an About section. This page will give information about the company, their current address, phone number, contact email and a link to their website. There will be a button that takes you to their website, this uses javascript. The about page will also feature a clickable image, which will change the current WWE logo to the classic logo, which was used from 2002-2014.
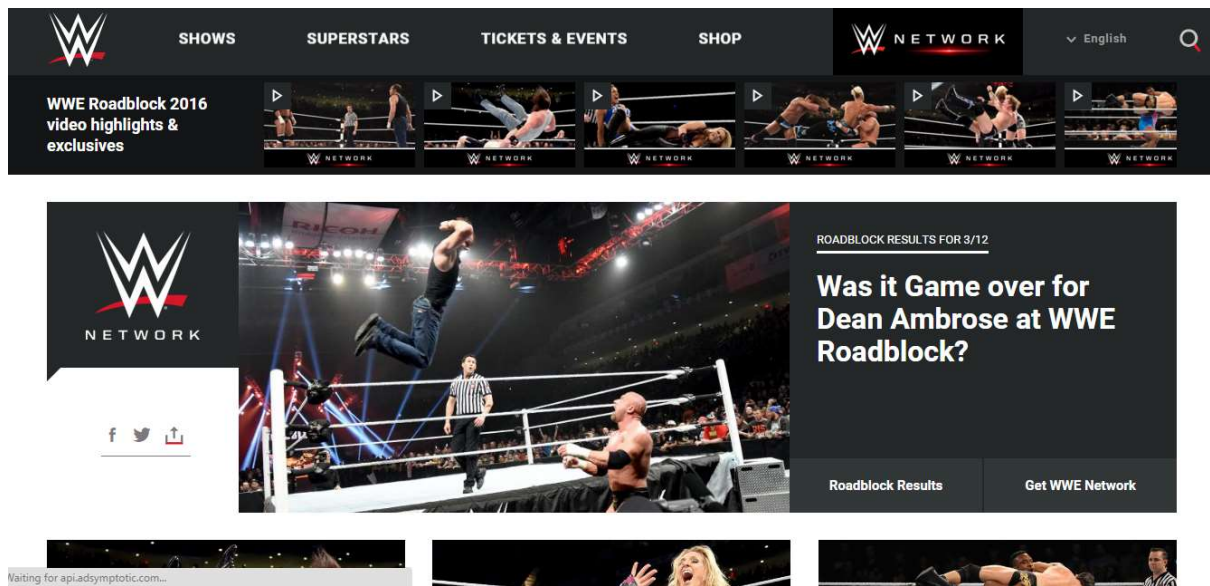
The third link will be the Board of Directors directory. This page will feature fifteen members of the board, each picture is clickable, and when clicked, will give the user a full image with that persons bio, a link to their facebook and a link to their twitter. The user will also be able to scroll back and forth between each member by clicking the arrows that appear next to the full image. Under the members name will be the position they hold within the company.

The fourth link will be the Superstars directory. Like the Board of Directors page, this will feature twenty current WWE superstars, again, each picture is clickable and when clicked, will give the user a full image with that person's bio, their height, weight, hometown and signature move, along with their career highlights. If the superstar is currently holding a championship, the name of the championship will be under the superstar's name. The user will also be able to scroll back and forth between each member by clicking the arrows that appear next to the full image.

The fifth link will be a Shows section. This page will give information about the current weekly programming in WWE. The aside will feature the pay-per-views that the company runs every month. This page will also have a dynamic frame, which will update the frame to a different show from the weekly programming section on WWE's official website.

Finally, the sixth link will be a Contact page. This page features an iFrame, showing the location of WWE's headquarters, a form which the user can fill out and submit their email address. Clicking the submit button will take them to another page, thanking them for sending a message. This page also features cookies and a button which will detect what browser the user is currently on.

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2. Research

Link: http://www.wwe.com

WWE's official website. I find that the contrast between the grey backgrounds for the body and white bold font make the headings stand out. The alignment of the news article is very nice and eye catching, as this draws the user in. However, I don't particularly like the white background, as I feel this makes the contrast between it and the main body a bit too much.


Link: http://www.wwe.com/superstars
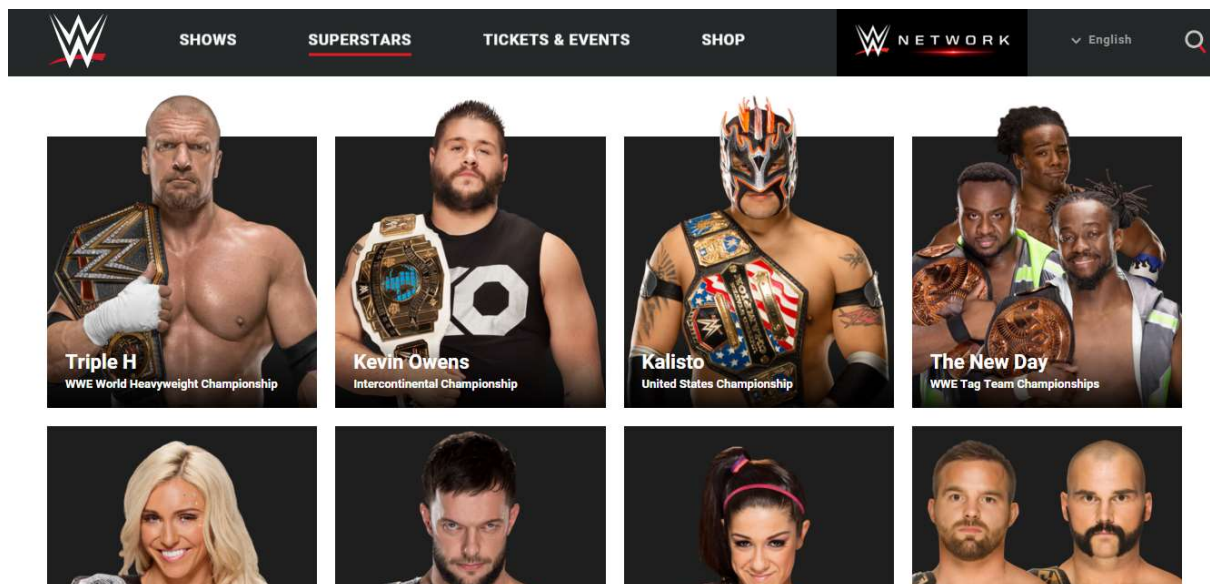
With WWE's superstars page, I decided to borrow elements from it, as I quite liked them. The grey background with a picture of the superstar not only draws you in, but also makes it so the background doesn't take too much away from it. The first thing you notice is the superstar and not the background, as opposed to my original

design (see drafts). Both the homepage and the superstar pages are alike, which is a good use of repetition, as they both use the grey background and white text.
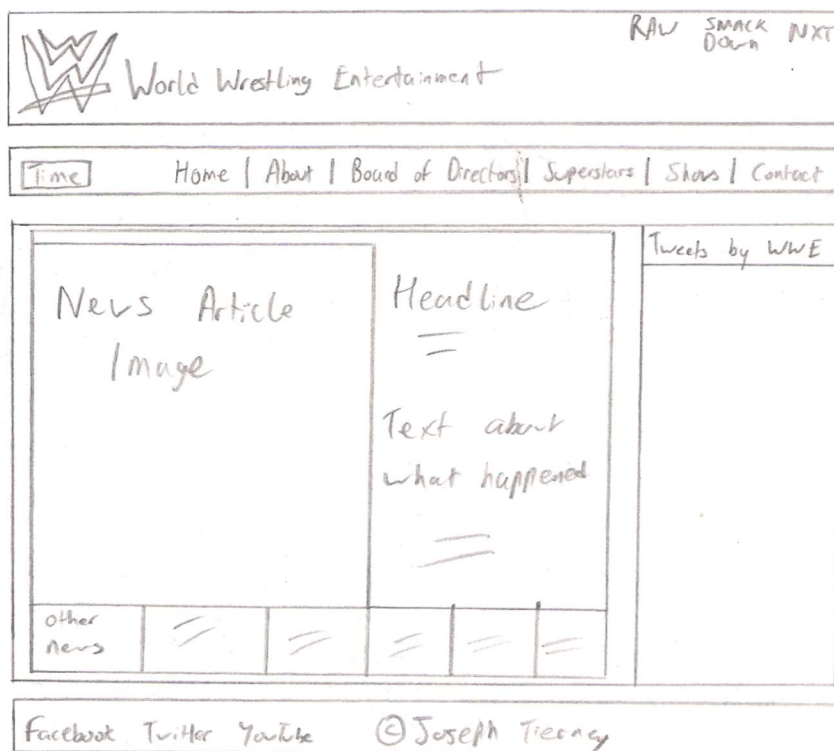

Link: http://www.rohwrestling.com
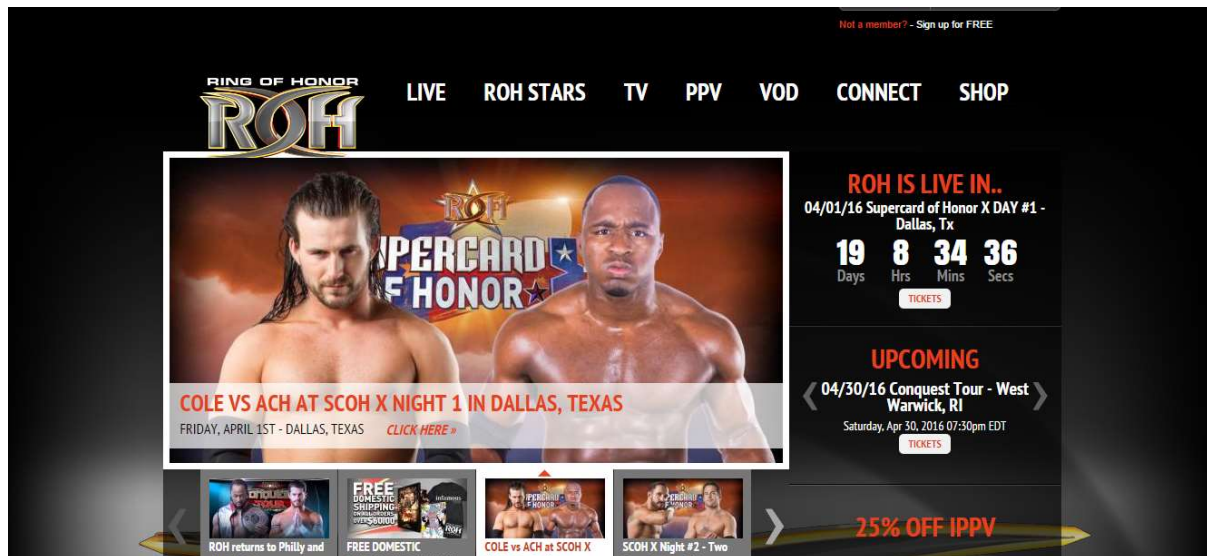
The ROH Wrestling website uses good contrast with the grey background and red and white fonts. The news article in a slideshow format makes for an overall better look than that of WWE's news articles.

Link: http://www.impactwrestling.com
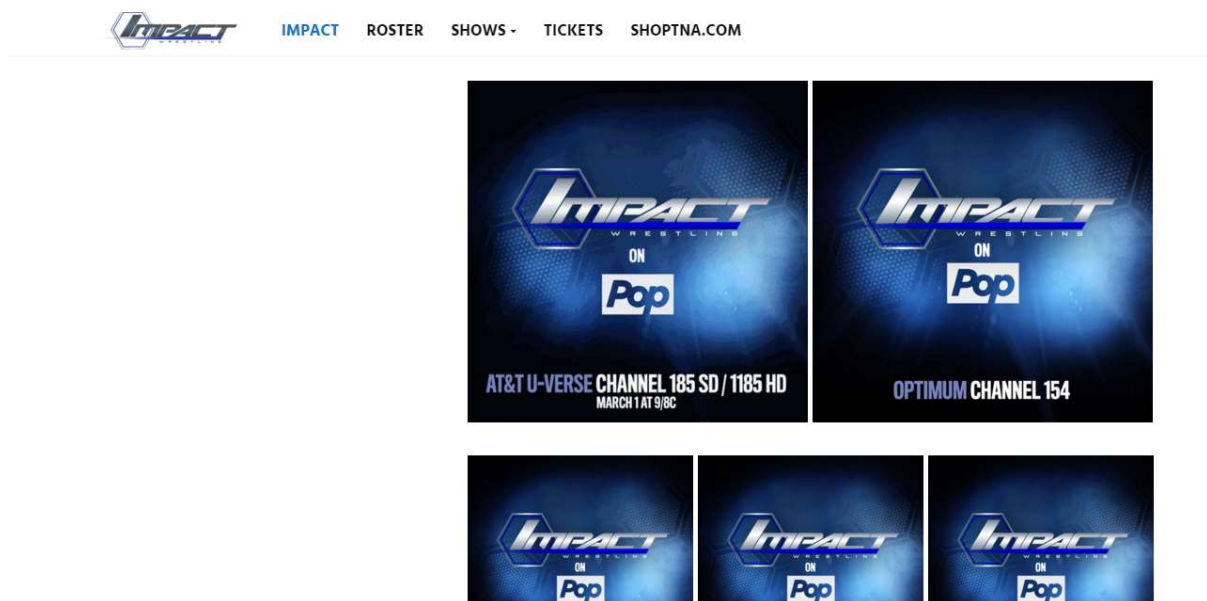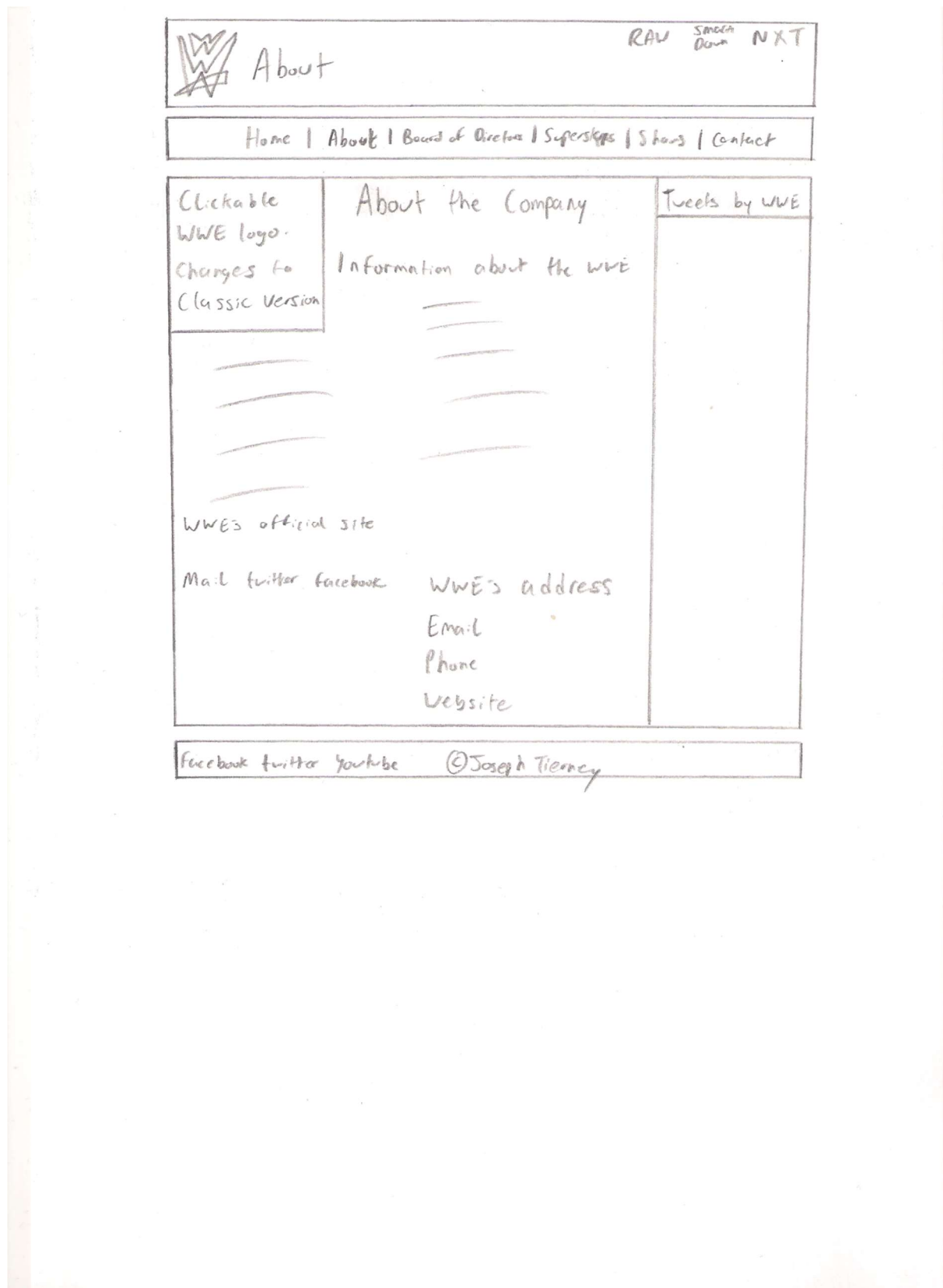
TNA Impact Wrestling's site doesn't really show good use of alignment here. However, their contrast between the white background and black/blue image boxes is extremely well done.

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3. Preparatory work Part A

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Clickable WWE logo. Changes to Classic Version

About the Company

Information about the WWE

Tweets by WWE

WWE's official site

Mail twitter facebook

WWE's address
Email
Phone
Website

Facebook twitter youtube   ©Joseph Tierney

Home | About | Board of Directors | Superstars | Shows | Contact

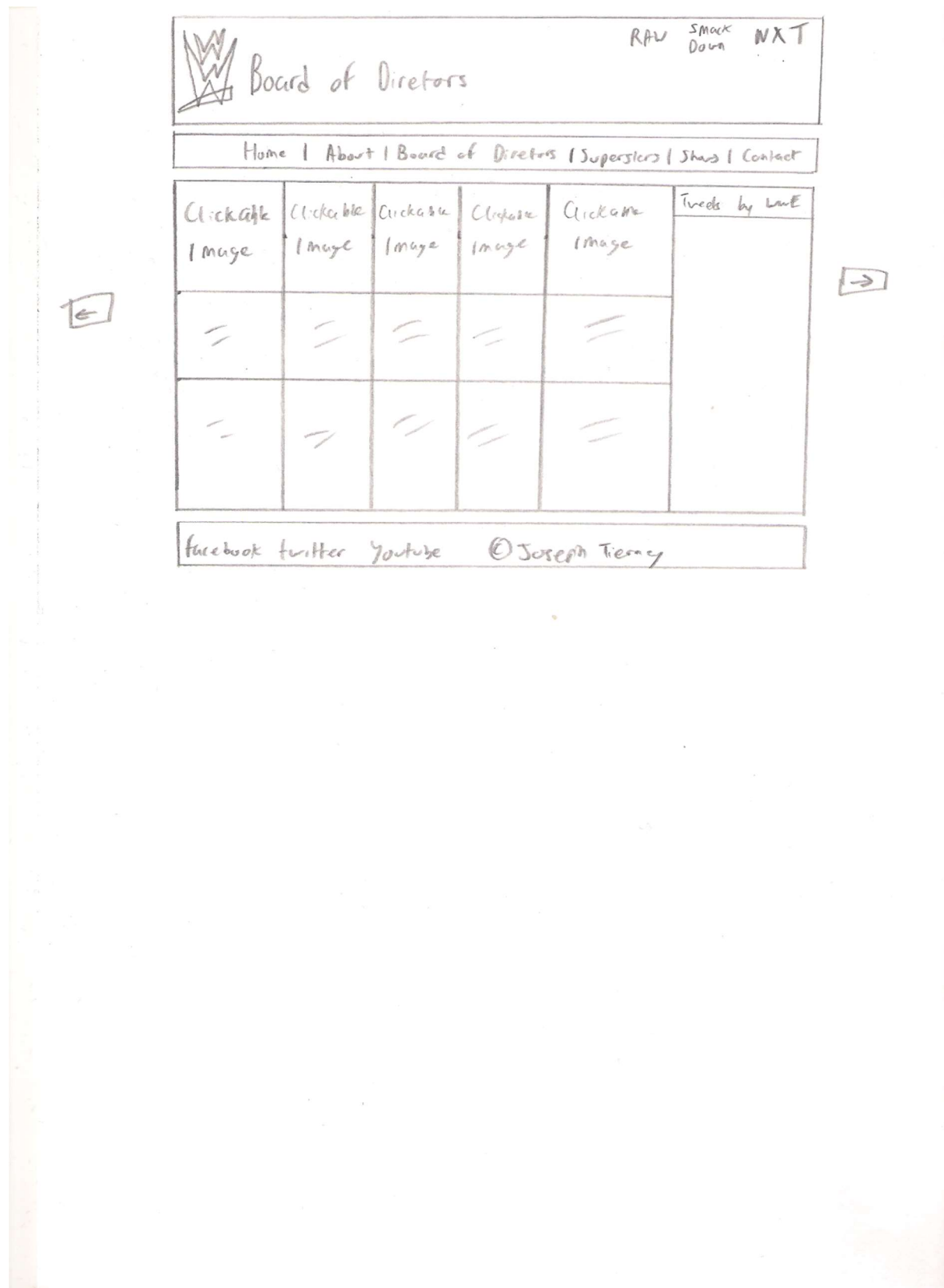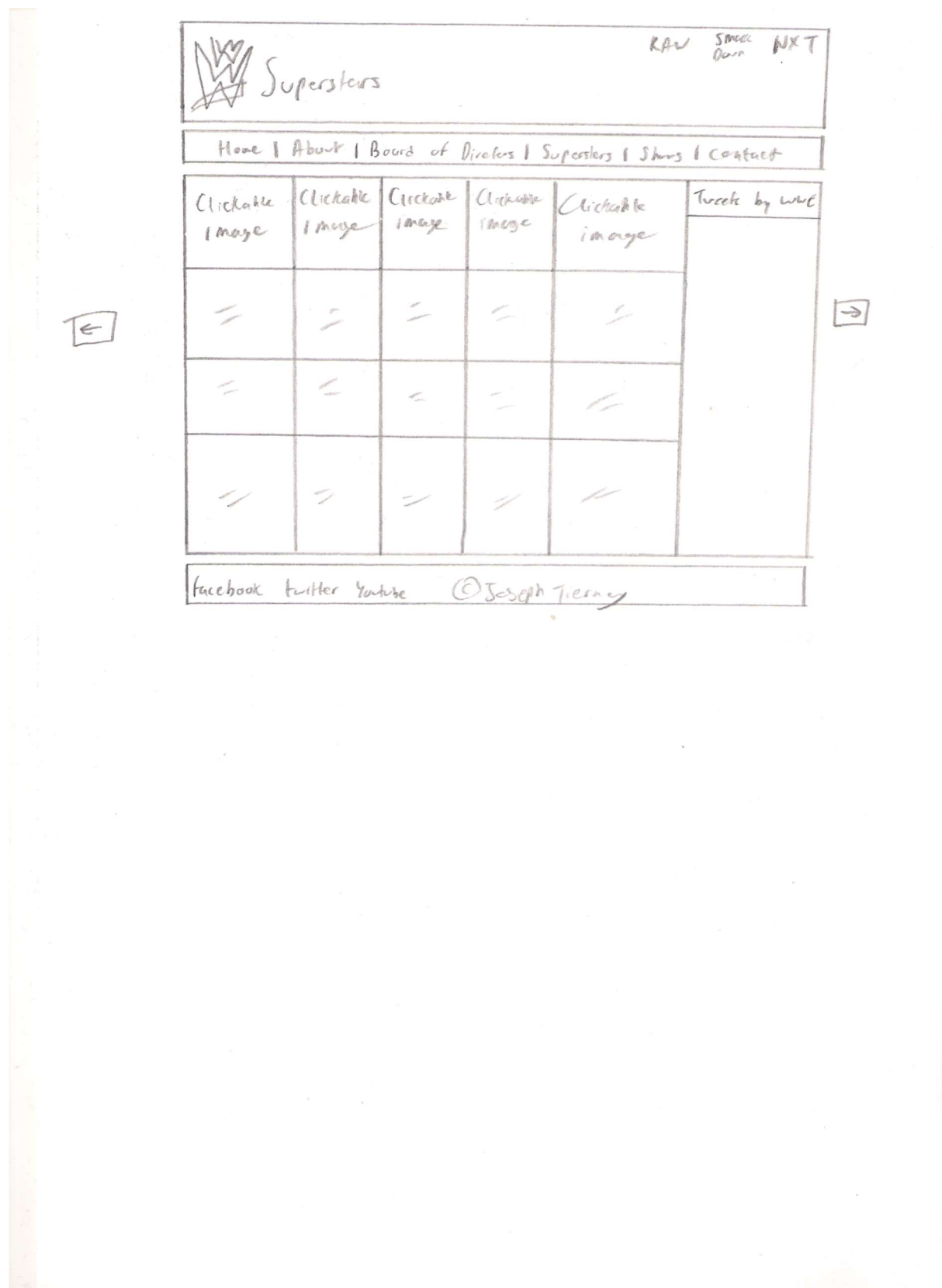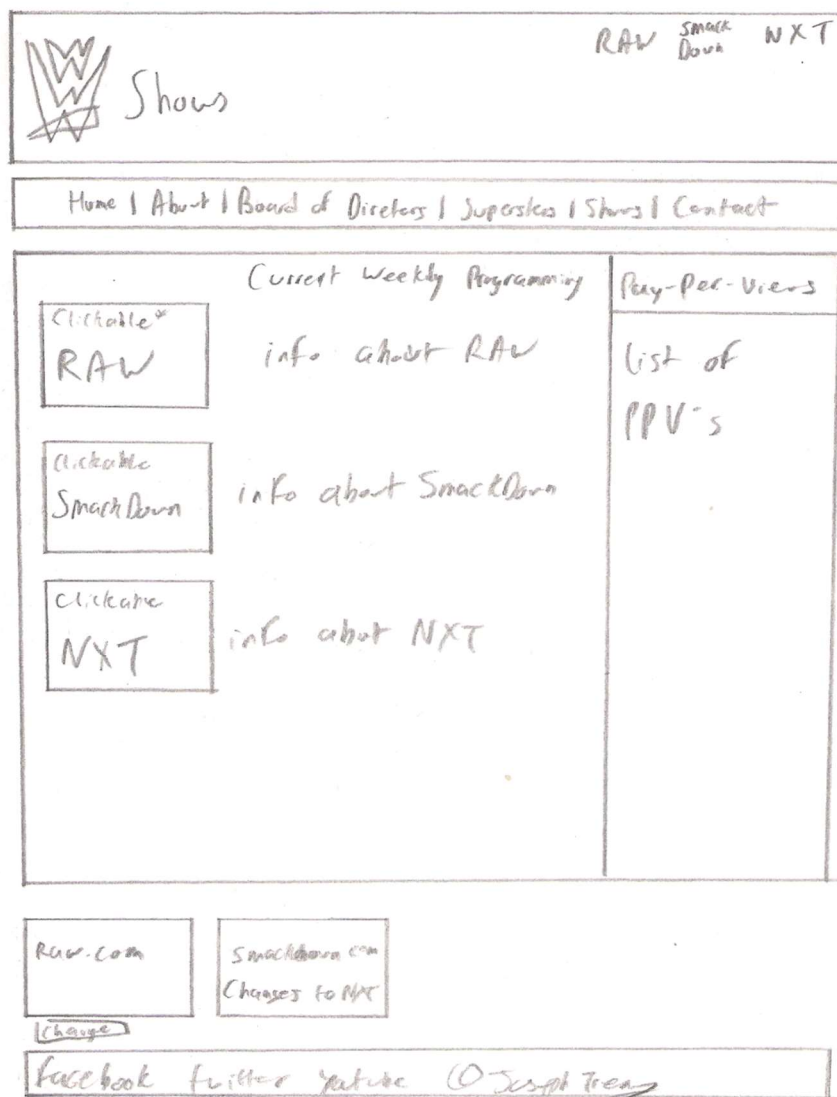RAW Smack Down NXT

About

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4. Preparatory work Part B
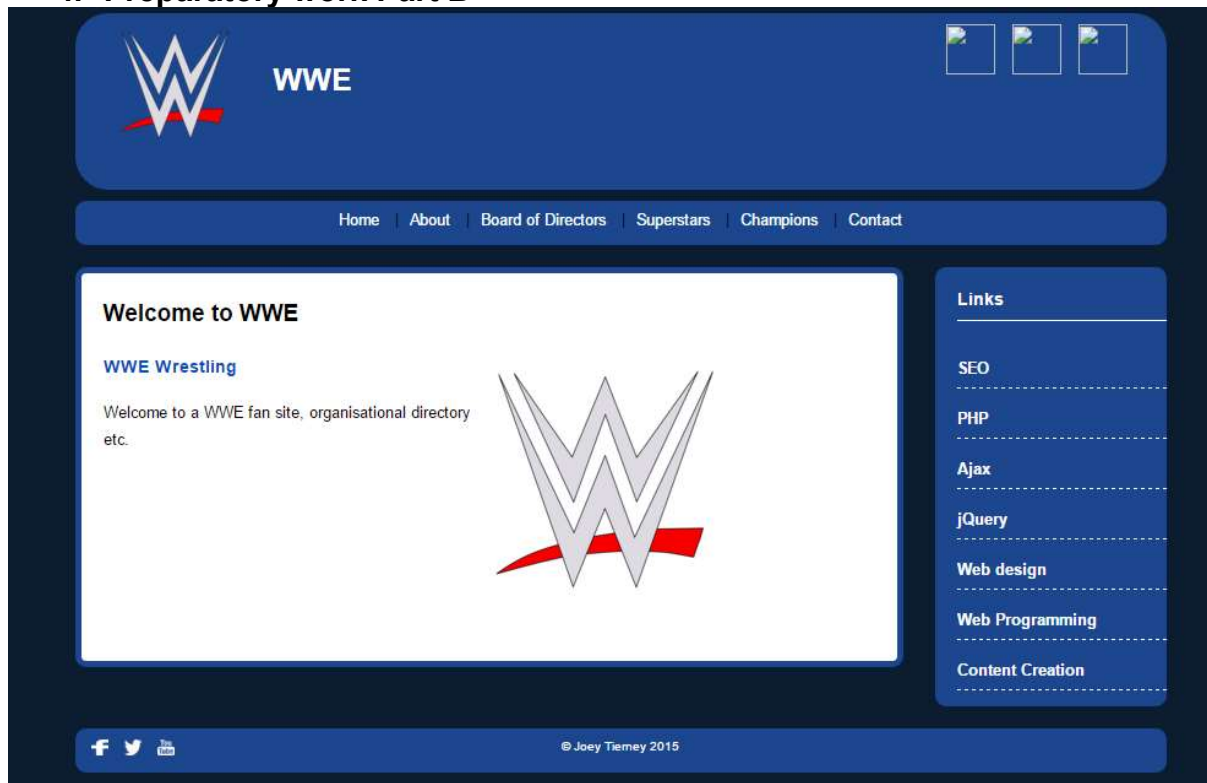
This is the first draft of the index page of my website.
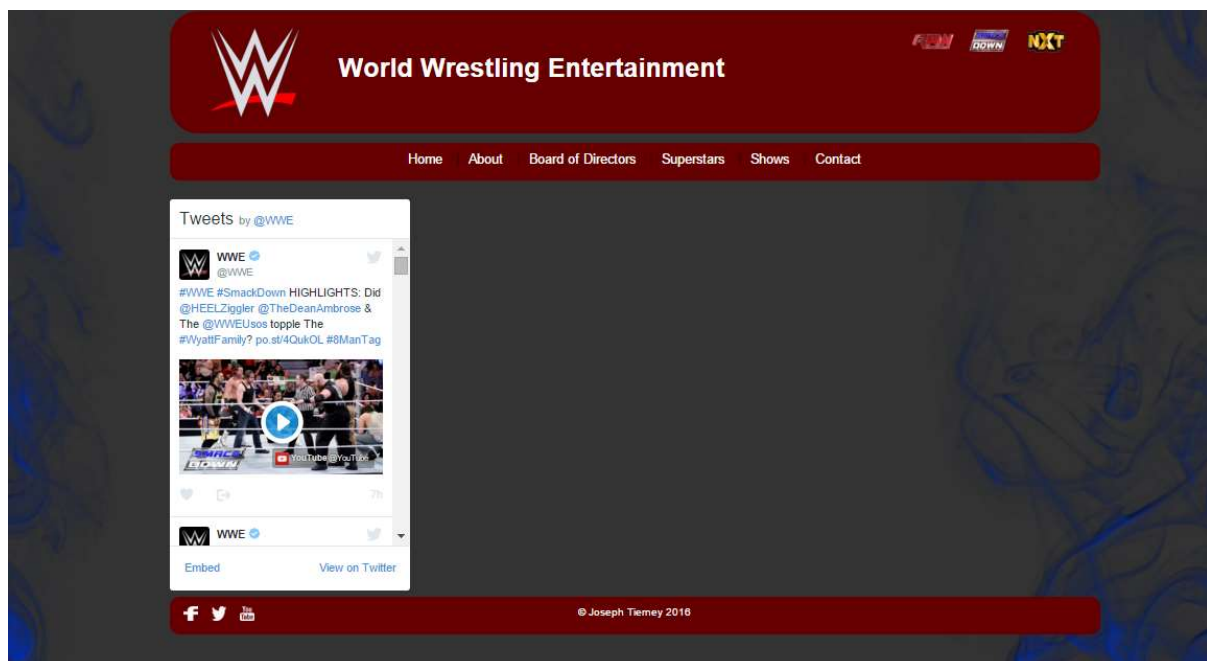
This is the second draft of the index page. I changed the colour to a darker red, as I felt this suited the contrast of the background I had added instead of using blue. I also added the full name of the company to the header. I added a twitter feed instead of the aside bar, and removed the main section. For the fonts I decided to use 'Montserrat' instead of Times New Roman, I feel that 'Montserrat' is a simple enough design and is easy to read for users. Other fonts that I tested include Bleeding

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Cowboys, and the WrestleMania font. 'Montserrat' can be found on all pages of the website.
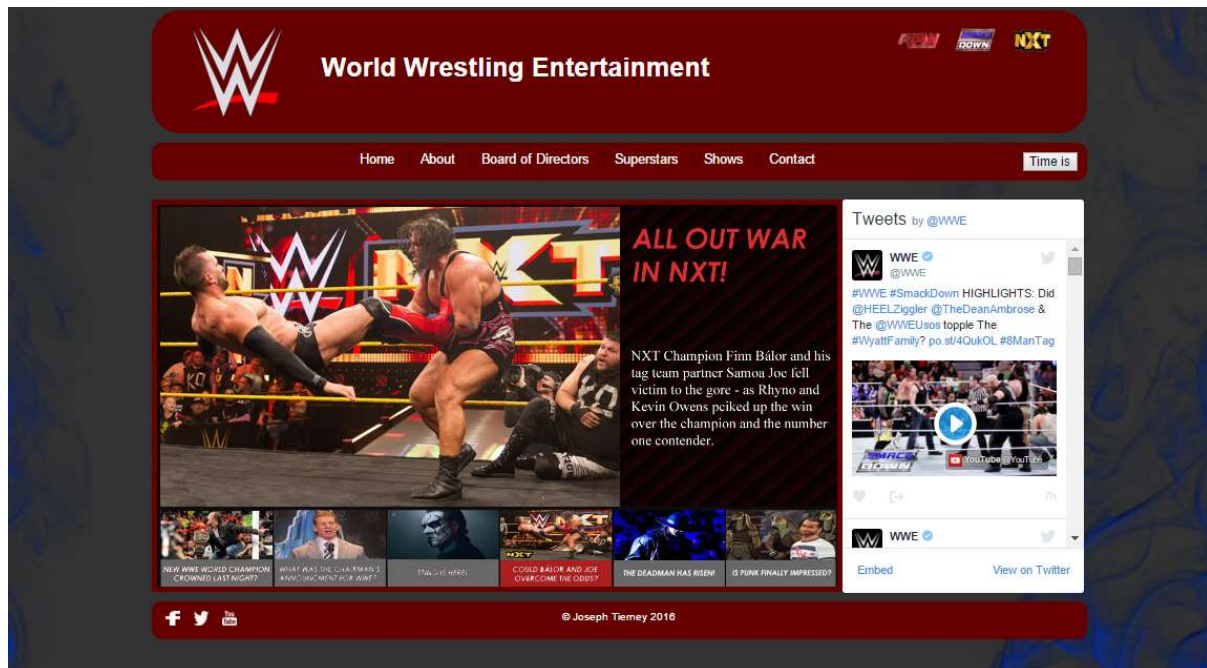
This draft version of the index page is generally the same as the second draft, with the major different being the news article slide show.
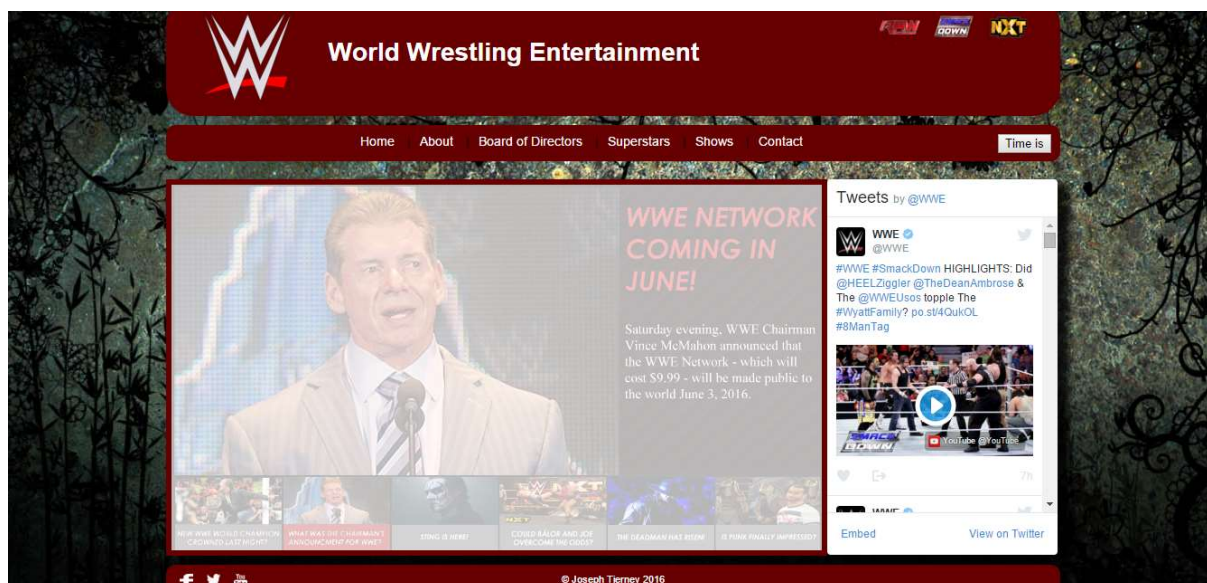
This is the fourth draft of the index page, no major differences here except for the background change. I felt this suited the site better instead of the light grey background. The background also aligns perfectly with the news article slideshow, the twitter feed and the footer. The background would be changed again, this can be seen in the final version of the site.

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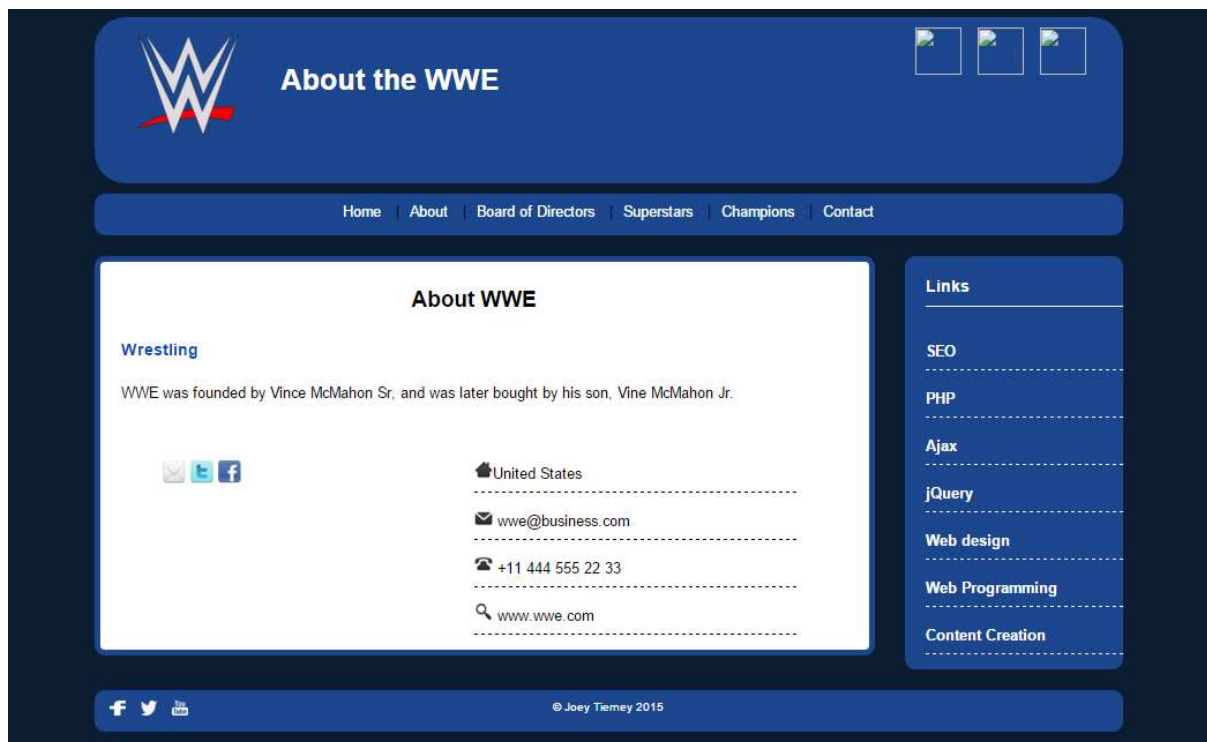
This is the first draft of the about page.
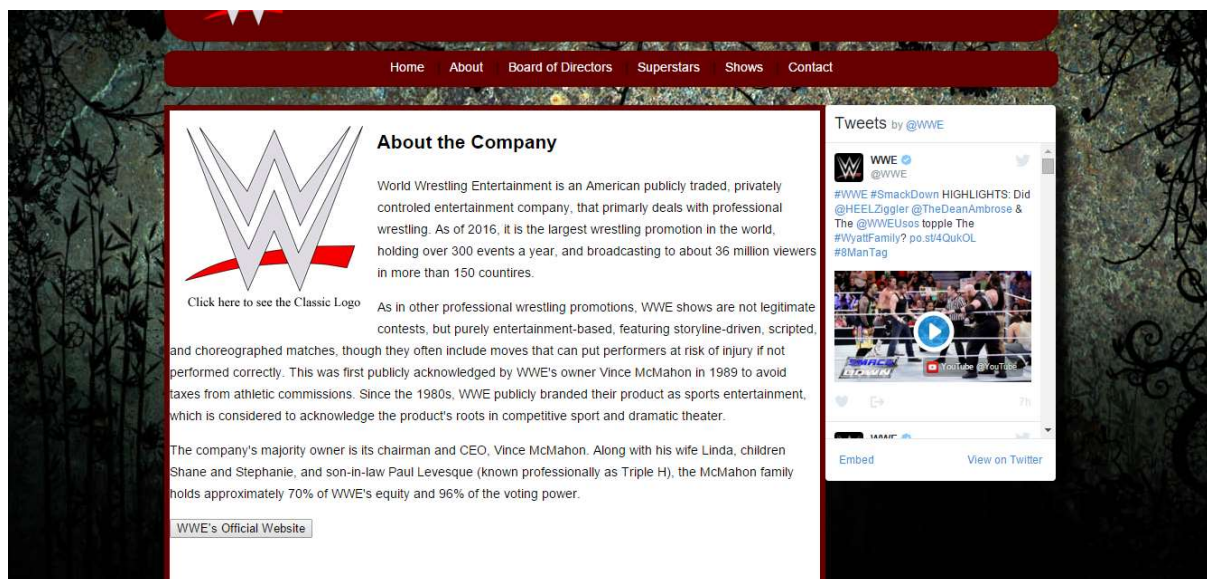
For the second draft, I changed the colour to a darker red and the background to fit the alignment of the about section and the twitter feed. With the about section, I added the logo of the company to make it so the text aligns itself accordingly around it. The logo is also clickable. The background would be changed again, this can be seen in the final version of the site.

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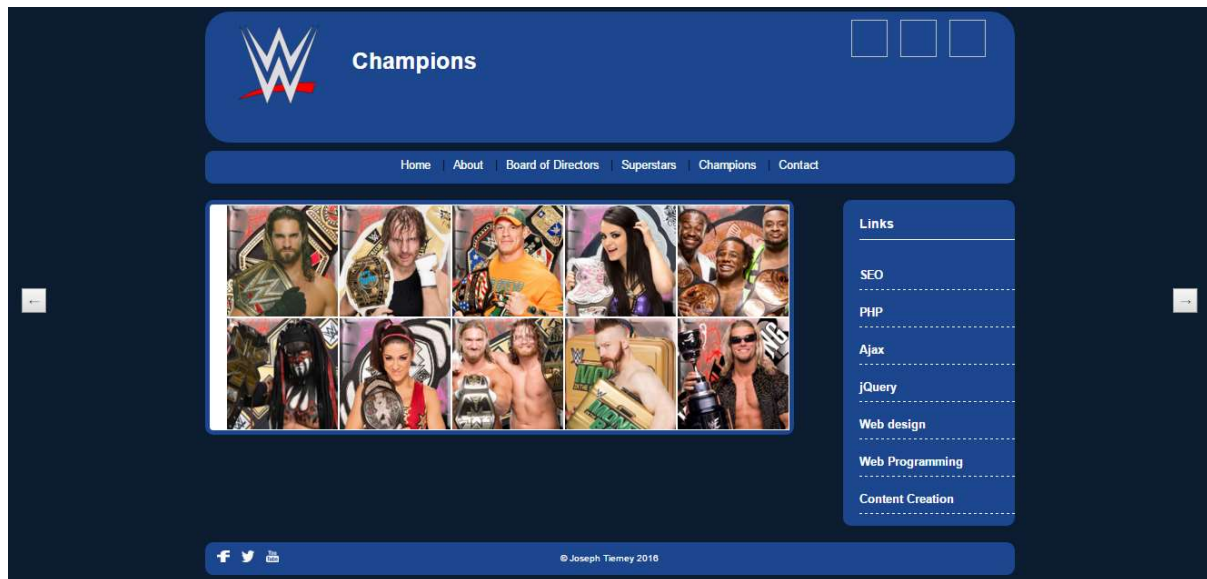
This is the first draft of the all the directory pages I planned on using. It is the default layout for the Board of Directors, Superstars and Champions.
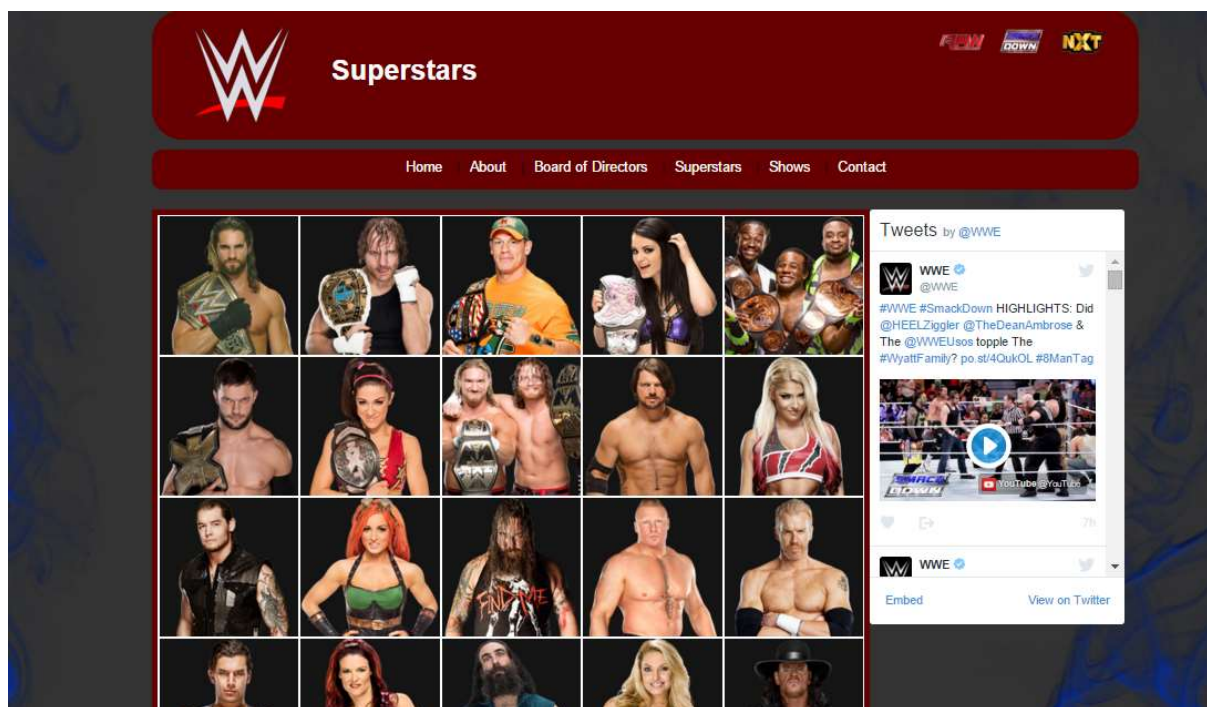
With the second draft, I decided to scrap the champions page and instead combine them with the superstars page. I removed the fancy background on each picture and went with a simpler dark grey background, so it'll draw the user in to the superstar and not the background itself. This design is the same as the Board of Directors page, the main differences are the amount of people on the Board page are reduced from 20 to 15. The background would be changed again, this can be seen in the final version of the site.
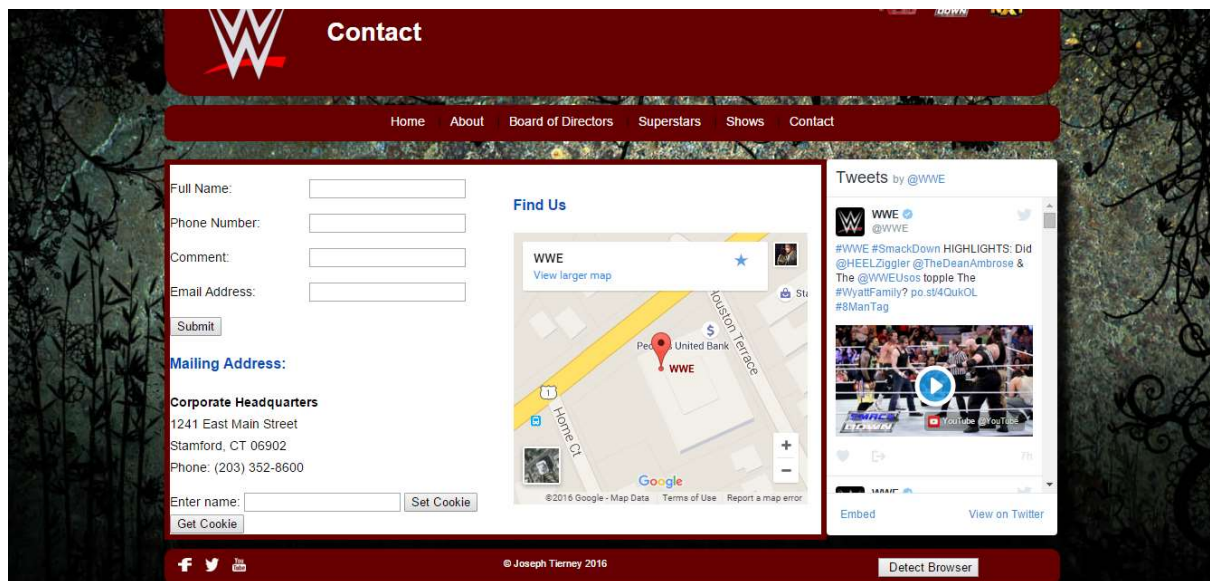
The contact page started off similar to the about and the shows page. I added forms for the user to fill out their name, phone number and leave a comment, along with an email address. I decide that adding a google map of where the company's headquarters is located would be a better visual for the user rather than just having the mailing address – which is located under the form. Cookies and browser detection can be found here. The background would be changed again, this can be seen in the final version of the site.

5. Site Map
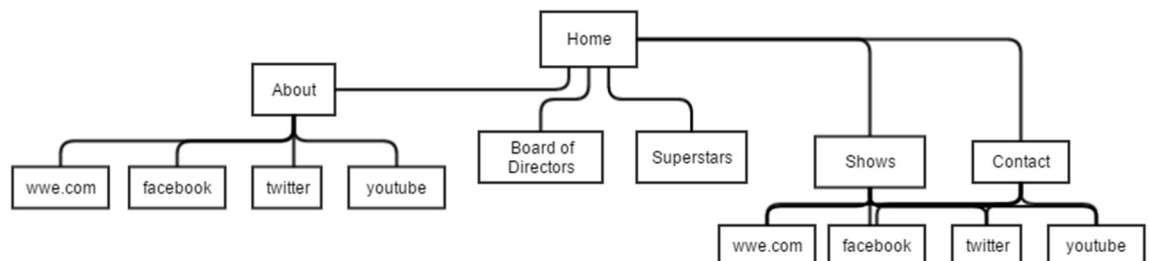
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6. Finished website

Home Page:
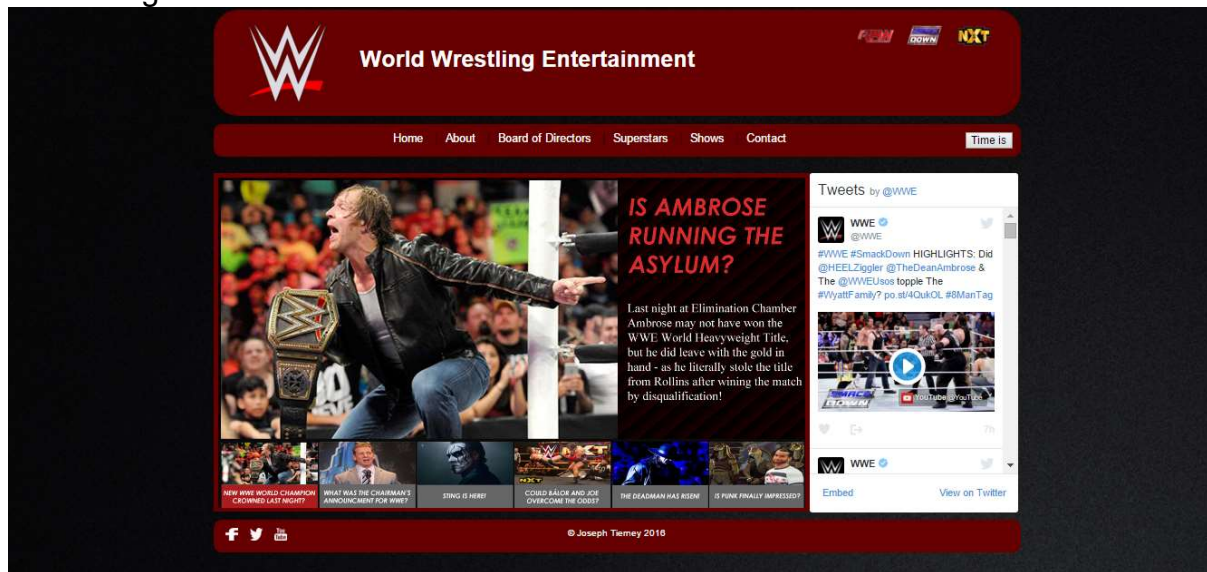
About Page:
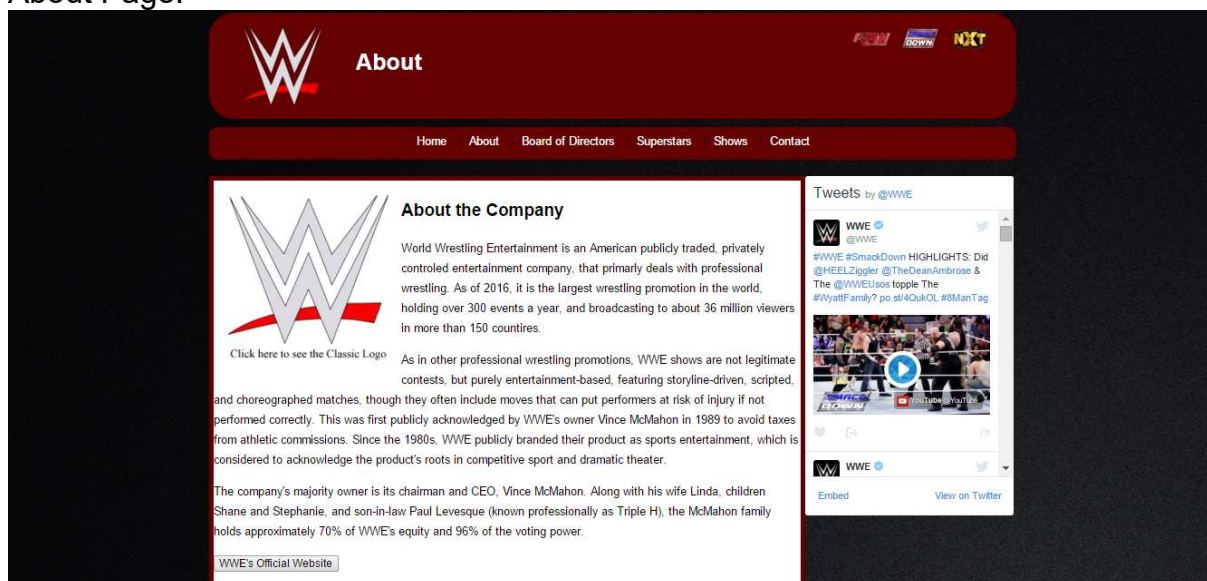
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Board of Directors Page:
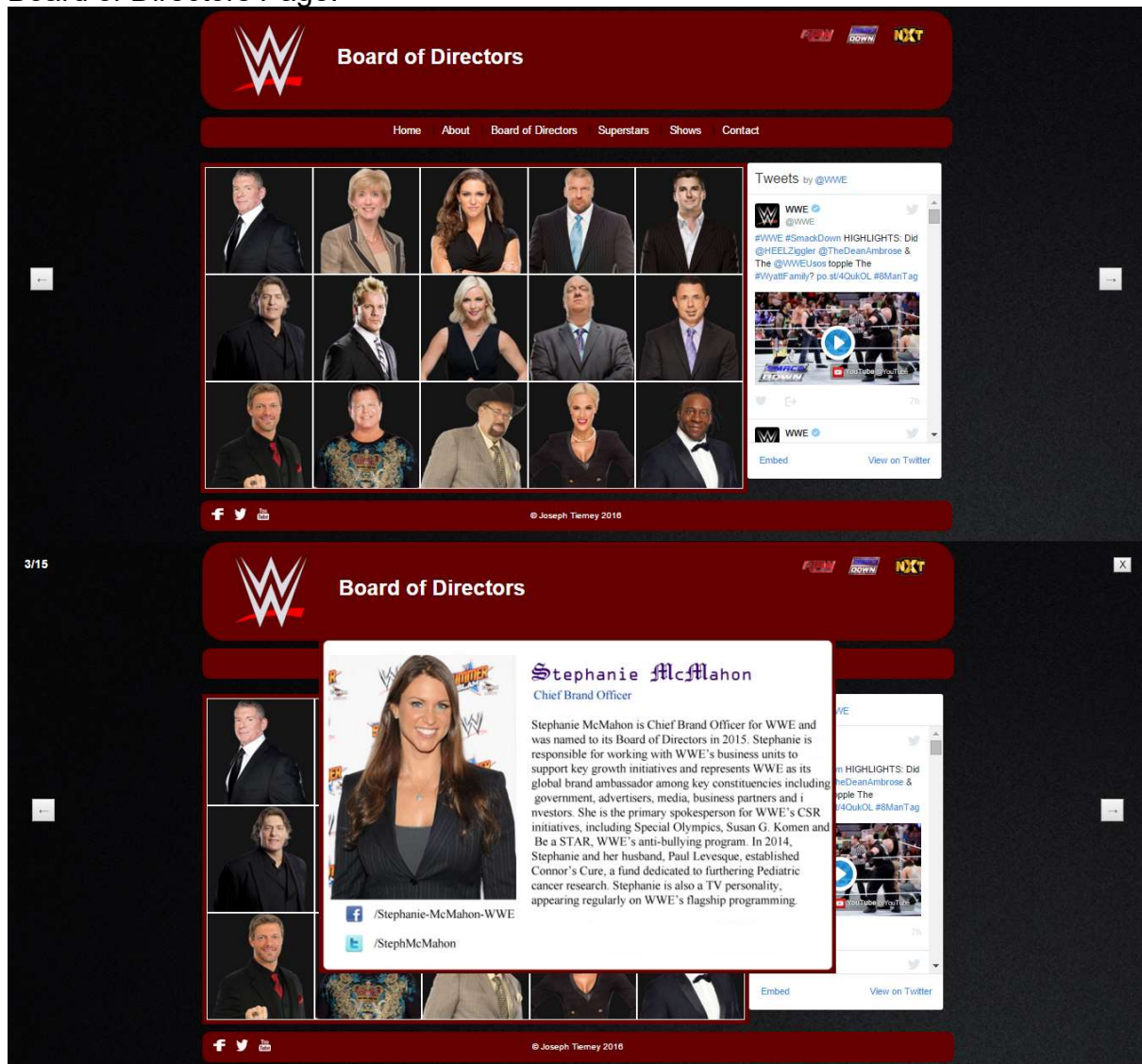
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Superstars Page:
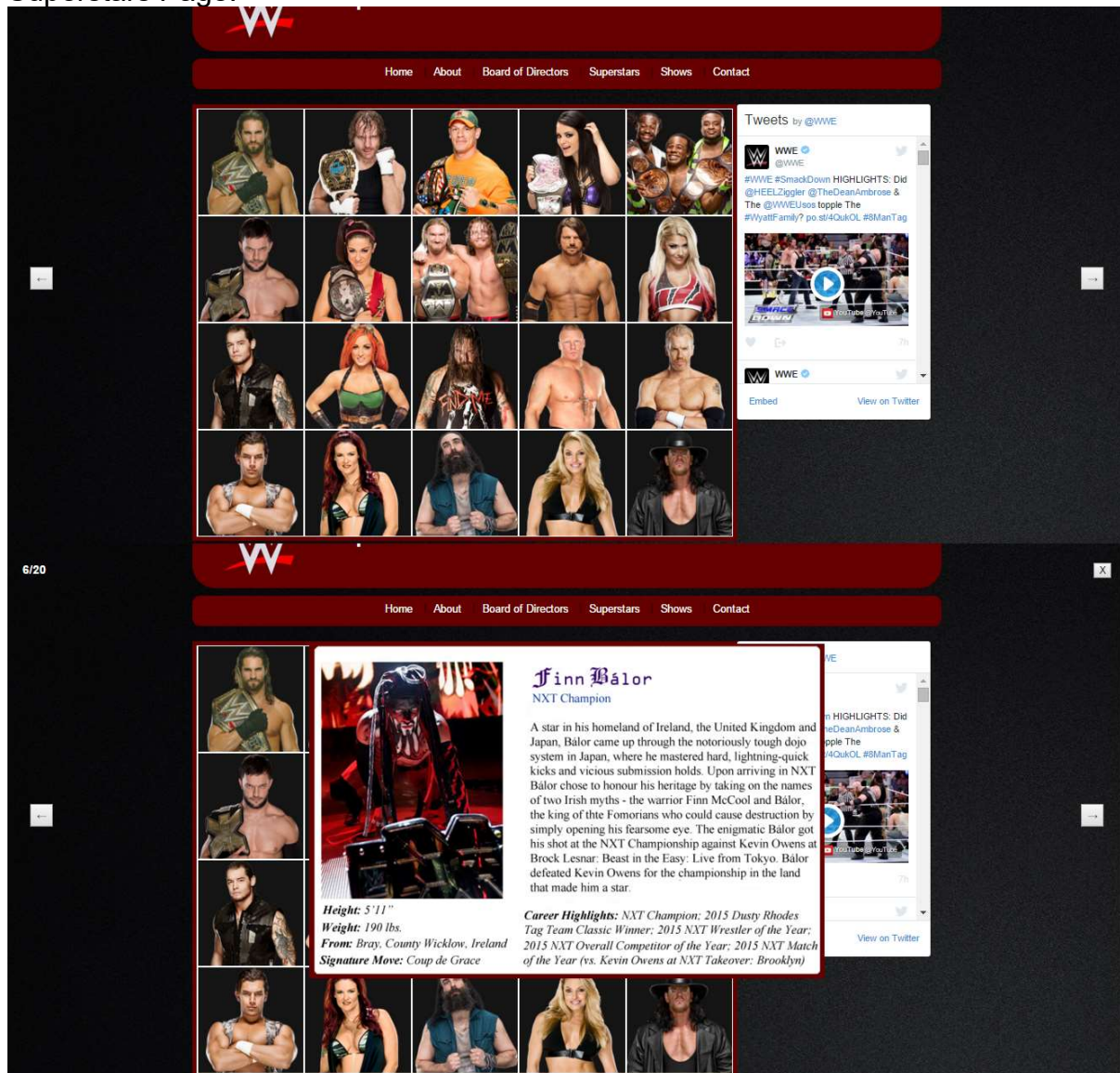
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Shows Page:
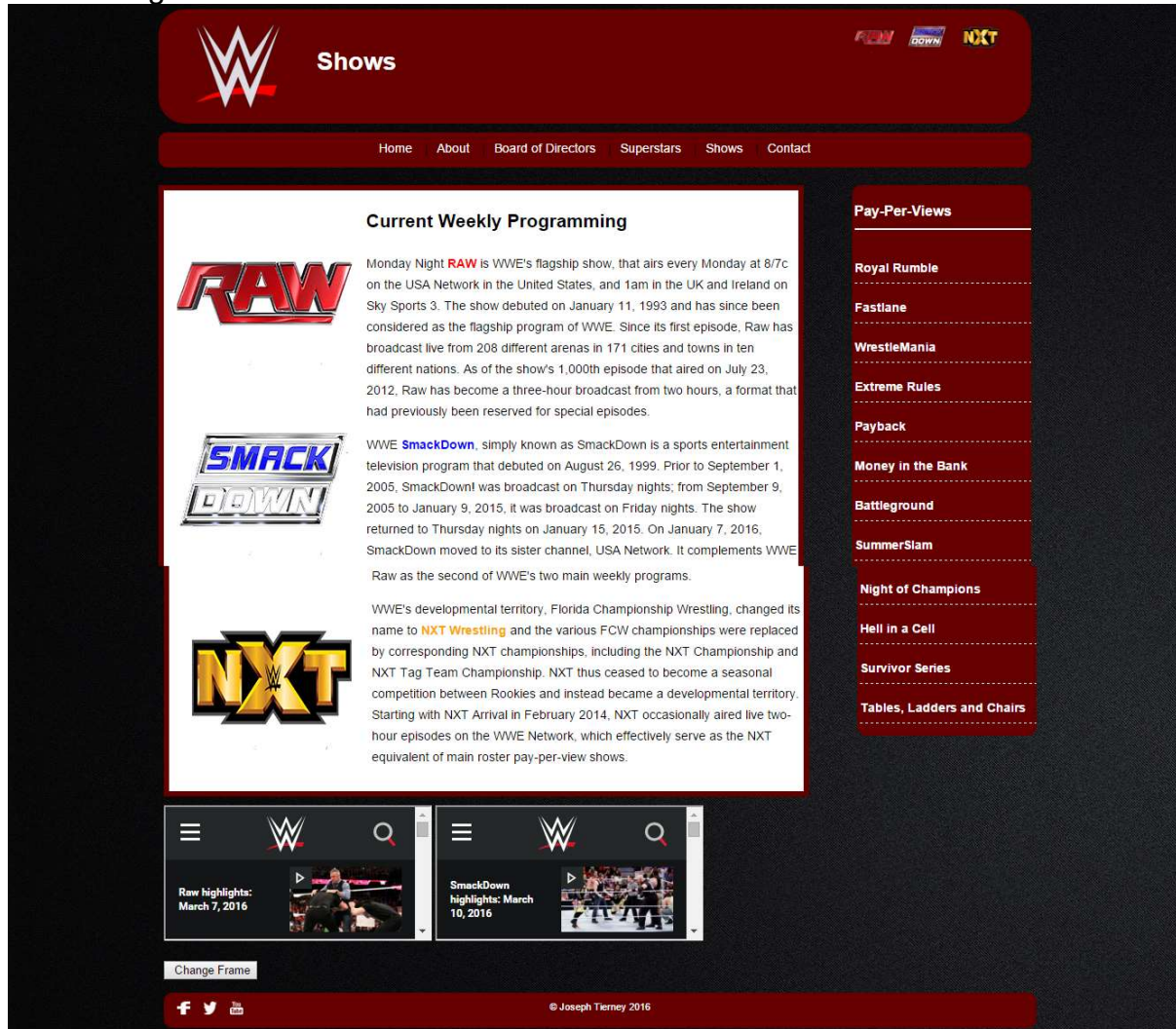
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Contact Page:
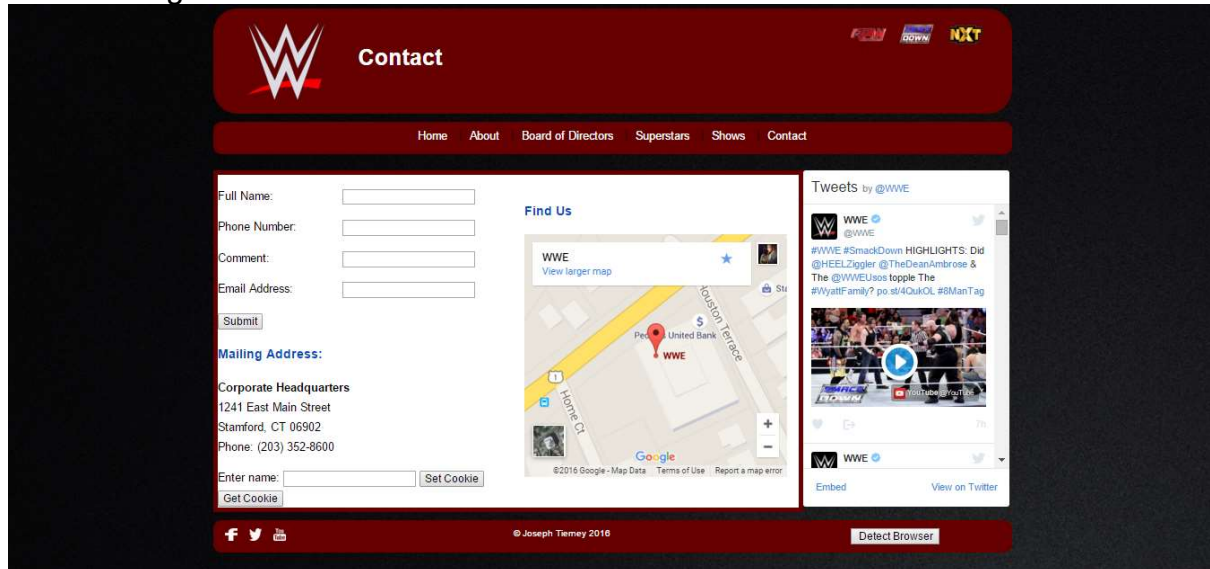
Email Success Page:
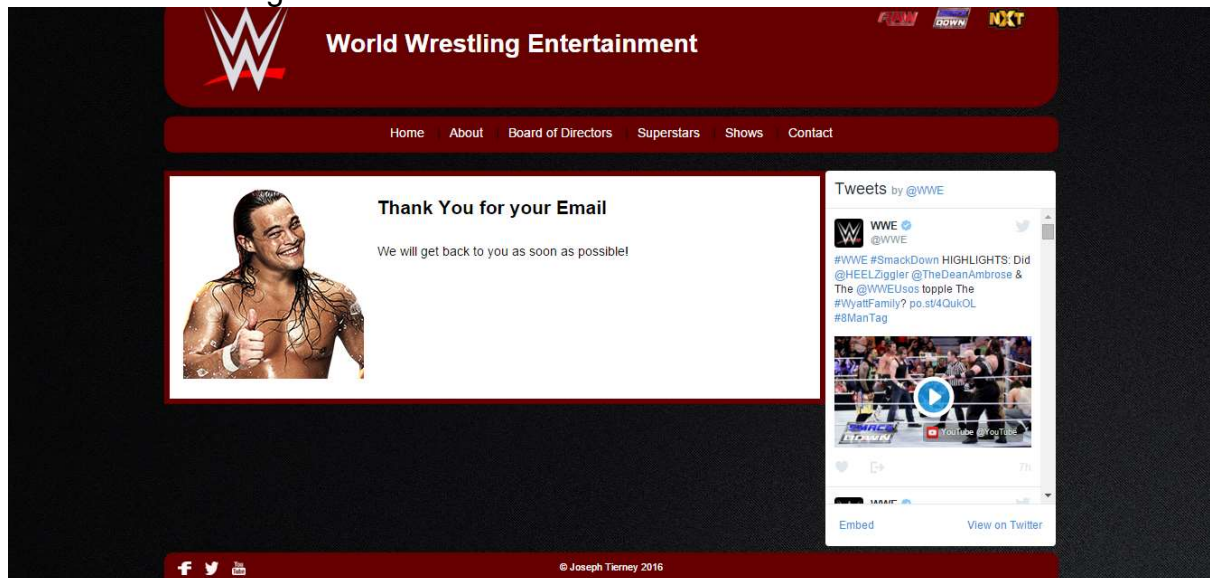
7. Conclusion and Evaluation

I like the overall design of my website. I find that it's easy to use and navigate, and feel that it gives my target audience the appropriate information and usage they need.

The website works as intended on all browsers, however upon testing I found that if you click the arrows for the directory slideshow before clicking an image, it will not allow you to click on anything until you refresh the page.

Although I like my website, I feel that there could be improvements to make the overall design look better, as well as some improvements to make the additional content better as well.

I originally intended on adding a music player to the header, playing a selection of some of the wrestler's entrance music, with the option to click Next, Back, Play and Pause, along with a mute option. The idea was later scrapped as it made the website feel compressed and looked out of place. I also wanted to make it so the news article slideshow was clickable, and clicking on whatever image you wanted would bring up that news article, and clicking it again would take you to an entirely new page with more details. Due to the javascript though, this proved to be difficult.

Overall, I am happy with the outcome of my website and feel that the slight improvements would it make it better.

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8. Index source code

```
<!DOCTYPE html><!-- This file uses HTML5-->
<html>
    <head>
    <link rel="shortcut icon" href="images/icons/logo.ico" />
        <title>WWE</title>
        <link rel="stylesheet" href="css/style.css"/>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.4/jquery.min.js"></script>
        <script src="js/main.js"></script>
  </head>

    <body> <!-- This is the start of the web page-->

        <header><!-- This is the Header bar-->
            <figure id ="logo">
                    <img src="images/logo.png" height="100" width="100">
                    </figure>
            <h1>World Wrestling Entertainment</h1>
                    <ul>
                <li><a href="http://www.wwe.com/shows/wwenxt"><img
src="images/nxtlogo.png" alt="" height="45" width="45"/></a></li>
                        <li><a
href="http://www.wwe.com/shows/smackdown"><img src="images/sdlogo1.png"
alt=""height="45" width="45"/></a></li>
                        <li><a href="http://www.wwe.com/shows/raw"><img
src="images/rawlogo.png" alt=""/height="45" width="45"></a></li>
                    </ul>
            </header>


        <nav><!-- This is the Navigation bar-->
            <a href="index.html">Home</a>
            |<a href="about.html">About</a>
            |<a href="board.html">Board of Directors</a>
            |<a href="superstars.html">Superstars</a>
            |<a href="shows.html">Shows</a>
            |<a href="contact.html">Contact</a>
            <div id="time">
            <!-- JAVASCRIPT 5: DYNAMIC PAGE UPDATE -->
                    <input type="button" onclick ="timeDigtal()" value ="Time
is"/>
                    </div>
        </nav>

        <main> <!-- This is  the main content -->
            <section>
            <!-- JAVASCRIPT 2: SLIDESHOW -->
                    <div id="slideshow-container">
            <figure id="slideshow">
```

```
                        <img src="images/news/1.jpg" alt>
                        <img src="images/news/2.jpg" alt>
                        <img src="images/news/3.jpg" alt>
                        <img src="images/news/4.jpg" alt>
                        <img src="images/news/5.jpg" alt>
                        <img src="images/news/6.jpg" alt>
                </figure>
        </div>
                </section>
                <div id="twitter">
                <a class="twitter-timeline" width="255" height="415"
href="https://twitter.com/WWE" data-widget-id="696457069847830529">Tweets by
@WWE</a>
                <script>!function(d,s,id){var
js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.get
ElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widg
ets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script","twitter-wjs");</script>
                </div>
        </main>

        <footer> <!-- This is the Footer bar-->
                <ul>
                <li><a href="http://www.facebook.com/WWE"target = "_blank"
><img src="images/facebook-white.png" alt="" height="15" width="15"/></a></li>
                                <li><a href="http://www.twitter.com/WWE"target =
"_blank"><img src="images/twitter-white.png" alt="" height="15"
width="15"/></a></li>
                                <li><a href="http://www.youtube.com/WWE"target =
"_blank"><img src="images/youtube-white.png" alt="" height="15"
width="15"/></a></li>
                </ul>
                &copy; Joseph Tierney 2016
        </footer>
    </body>
</html>
```

9. Javascript

```
$(function(){
        var gallery = $('.gallery a').simpleLightbox();
});

/*
******************************************************
Script 1: Email Verification
********************************************************
*/
function emailVerification(myForm) {
        re = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/
        if (re.test(myForm.emailAddr.value)) {
                return true
        }
        alert("Invalid email address")
        myForm.emailAddr.focus()
        myForm.emailAddr.select()
        return false
}

/*
*****************************************************
Script 2: Slideshow
********************************************************
*/
window.onload = function() {
        var imgs = document.getElementById('slideshow').children;
        interval = 10000;
        currentPic = 0;
        imgs[currentPic].style.webkitAnimation = 'fadey '+interval+'ms';
        imgs[currentPic].style.animation = 'fadey '+interval+'ms';
        var infiniteLoop = setInterval(function(){
                imgs[currentPic].removeAttribute('style');
                if ( currentPic == imgs.length - 1) {
                        currentPic = 0;
                } else {
                        currentPic++;
                }
        imgs[currentPic].style.webkitAnimation = 'fadey '+interval+'ms';
        imgs[currentPic].style.animation = 'fadey '+interval+'ms';
}, interval);
}

/*
****************************************************************
Script 3: Browser Plugin Detection
****************************************************************
*/
function browserDetection() {
```

```
        if(navigator.userAgent.indexOf("Chrome") != -1 ){
                alert('You are using: Chrome');
    }
    else if(navigator.userAgent.indexOf("Opera") != -1 ){
                alert('You are using: Opera');
    }
    else if(navigator.userAgent.indexOf("Firefox") != -1 ){
        alert('You are using: Firefox');
    }
    else if((navigator.userAgent.indexOf("MSIE") != -1 ) || (!!document.documentMode
== true )){
        alert('You are using: IE');
    }
    else{
        alert('You are using: unknown');
    }
}

/*
****************************************************************
Script 4: New Window
****************************************************************
*/
function newWindow() {
    window.open("http://www.wwe.com");
}

/*
*******************************************************
Script 5: Dynamic Web Page Update
*******************************************************
*/
function timeDigtal(){
        var currentTime = new Date();
        var hours = currentTime.getHours();
        var minutes = currentTime.getMinutes();
        var seconds = currentTime.getSeconds();
    alert(hours + ":" + minutes + ":" + seconds);
}

/*
*****************************************************
Script 6: Dynamic Frame Update
*****************************************************
*/
function dynamicFrame() {
    var frames = window.frames;
    frames[1].location = "http://www.wwe.com/shows/wwenxt";
}
```

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```
/*
/****************************************************************
Script 7: Image Rollover
****************************************************************
*/
function changeImage() {
   var image = document.getElementById('myImage');
   if (image.src.match("classic")) {
      image.src = "images/about.png";
   } else {
      image.src = "images/classic.png";
   }
}


/*
/****************************************************************
Script 8: Set Cookie and Return Cookie
****************************************************************
*/
function writeCookie(){
   if( document.myform.customer.value == "" ){
         alert("Enter some value!");
      return;
   }
   cookievalue= escape(document.myform.customer.value) + ";";
   document.cookie="name=" + cookievalue;
   alert ("Setting Cookies : " + "name=" + cookievalue );
}
function readCookie(){
      alert ("name=" + cookievalue );
}
```

10. CSS

```css
header, nav,main,footer,figure,section,aside{ display: block;}
/*************************************************************************/

/*  styles for all pages*/
/*************************************************************************/
body{
    background-image: url(images/background8.jpg);
    margin-right:auto;
    font: 14px Montserrat, sans-serif;
    margin-left:auto;
   width:990px;
    background-repeat: no-repeat;
    background-color: #000000;
}
header{
    background-color:#660000 ;
    height: 130px;
    border-radius:30px;
    margin-bottom:10px;
    font-family: Montserrat, sans-serif;
}
header ul{
    padding:10px;
    margin:10px;
}
header li{
    float:right;
    list-style:none;
    padding-right:15px;
}
nav,footer {
    background-color: #660000;
    height: 30px;
    text-align: center;
    padding-top:10px;
    border-radius:10px;
}
nav a {
    padding:10px;
}
footer{
    font-size: 80%;
    color:#ffffff;
    padding-right:90px;
}
footer ul{
    padding:0px;
    margin: 0px;
}
```

```
    footer li{
        float:left;
        list-style:none;
        padding-left:15px;
    }
    main{
        height: auto;
        overflow:hidden;
        line-height:1.75;
    }
    figure#logo{
        width: 100px;
        height:100px;
        float: left;
    }
    figure#main_image{
        width: 350px;
        height:250px;
        float: right;
        margin:15px;
    }
    figure#dev{
        width: 200px;
        float:left;
        margin:15px;
    }
    section{
        border: 6px solid #660000;
        border-radius:0px;
        width:720px;
        float: left;
        background-color: #ffffff;
        margin-top:20px;
        margin-bottom:10px;
        padding-left:0px;
    }
    aside{
        border-radius:10px;
        width:250px;
        float: right;
        background-color: #660000;
        margin-top:20px;
        margin-bottom:40px;
        padding-left:3px;
    }
    aside ul{
        list-style:none;
        padding:0px;
    }
    aside li a{
```

```css
        font-size:14px;
        font-weight:bold;
    }
    aside ul li{
        border-bottom:#ffffff dashed 1px;
        padding-top:15px;
        padding-bottom:5px;
    }
    aside h3{
        color:#ffffff;
        padding-bottom:5px;
        border-bottom:#ffffff solid 2px;
    }
    h1{
        color: #ffffff;
        text-align: center;
        padding-top:25px;
      float:left;
    }
    a{
        text-decoration:none;
        color:#ffffff;
    }
    a:hover{
        color:#000000;
    }
    h3{
        font-size:16px;
        font-weight:bold;
        color: #054dbc;
    }
    /**************************************************************************/

    /*  style for  about page */
    /**************************************************************************/
    article#personal{
        width: 350px;
      float:right;
        margin-right:70px;
    }
    article#personal ul{
        list-style: none;
        padding-top: 10px;
    }
     article#personal ul li{
       padding-top:15px;
        padding-bottom:5px;
        border-bottom:#000000 dashed 1px;
    }
    article#social{
```

```css
        width: 200px;
        float:left;
        padding-top:15px;
    }
    article#social li{
        display:inline;
    }
    article#social ul{
        padding-top: 10px;
    }

    /*****************************************************************************/

    /*  style for contact page */
    /*****************************************************************************/
    label{
         display:inline-block;
         width:150px;
    }
    /*****************************************************************************/

    /*  style for google map on Contact page*/
    /*****************************************************************************/

    #map{
        width: 325px;
        float:right;
         margin:15px;
    }

    /*****************************************************************************/

    /*  style for Board of Directors and Superstars gallery page*/
    /*****************************************************************************/
    section.container{
      max-width: 720px;
      width: 80%;
      margin-right: auto;
      margin-left: auto;
      box-sizing: border-box;
      padding-left: 1px;
    }
    section.container a img {
      float: left;
      width: 20%;
      height: 20%;
      border: 1px solid #fff;
      box-sizing: border-box;
    }
    section.container  a:hover img {
```

```css
    transform: scale(1.06);
}
/*
Target the tags in the JavaScript file to centre the image gallery
*/
.sl-wrapper .sl-image{
    position:fixed;
}
.sl-wrapper .sl-counter{
    display:none;
    position:fixed;
    top:30px;
    left:30px;
    font-size:16px;
    font-weight:bold;
    color: #ffffff;
}
.sl-wrapper .sl-navigation button{
    position:fixed;
    top:50%;
    margin-top:-10px;
    height:30px;
    width:30px;
    line-height:30px;
    display:block;
}
.sl-wrapper .sl-navigation button.sl-next{
    right:40px;
}
.sl-wrapper .sl-navigation button.sl-prev{
    left:40px;
}
.sl-wrapper .sl-close{
    display:none;
    position:fixed;
    right:30px;
    top:30px;
}
/*
*******************************************************
Image Slide Show
*******************************************************
*/
@keyframes fadey {
    0% { opacity: 0; }
    15% { opacity: 1; }
    85% { opacity: 1; }
    100% { opacity: 0; }
}
figure#slideshow {
```

```css
        width: auto;
        margin: 0 auto;
        position: relative;
    }
    figure#slideshow img {
        position: absolute;
        left: 0; top: 0; right:0; bottom:0;
        width: 100%;
        height: 100%;
        opacity: 0;
    }
    figure#slideshow img:first-child {
        position: relative;
        margin:0 0 -8px 0;
        padding:0 !important;
    }

    div#twitter{
        margin-top:20px;
    }

    div#browser{
        float:right;
        list-style:none;
        padding-left:15px;
    }
    div#browser input{
        margin-right:-50px;
        color: black;
        background-color: grey;
        border-radius:60px;
        border:2px white offset;
    }
    div#time{
        float:right;
        list-style:none;
        padding-right:10px;
    }
```