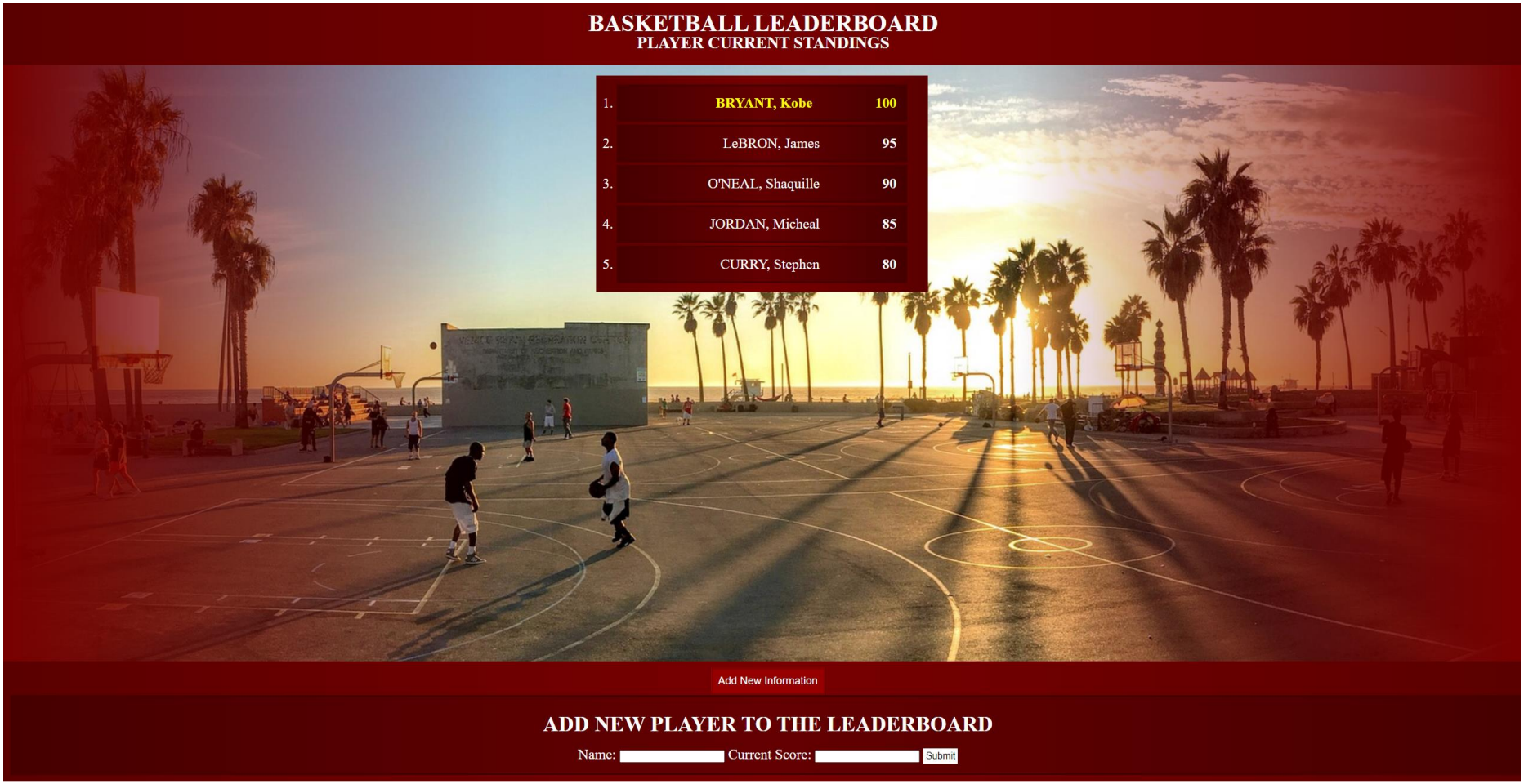
Student ID: B00836586
Name: William Kirkpatrick



Sample screenshot of LeaderBoard

COM109 Interactive Web Authoring Assignment 1 Report

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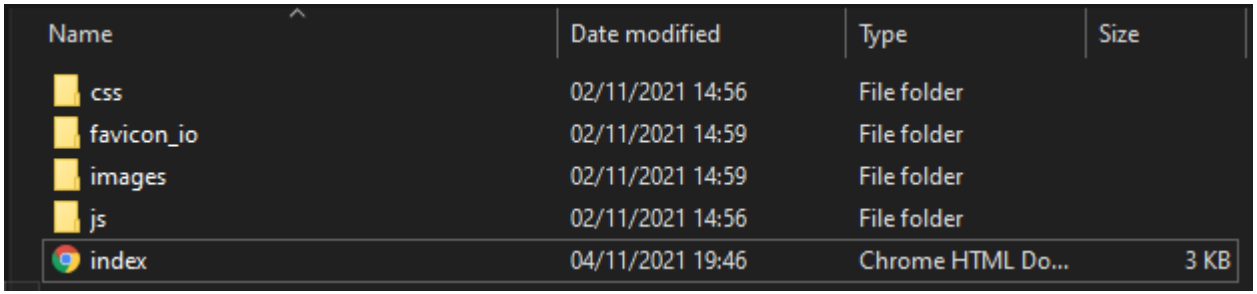

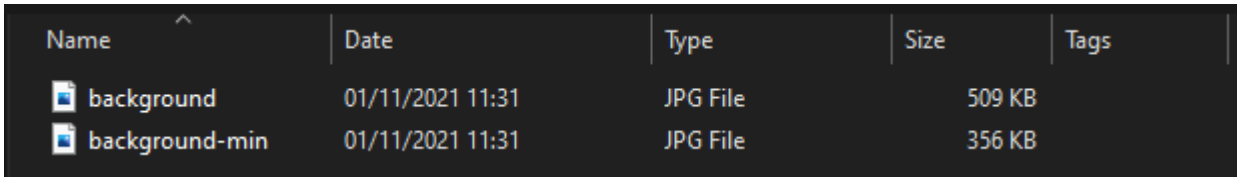

Sample folder structure for all COM109 Assignment 1 work and image folder for the file sizes for pictures
Code for LeaderBoard using the Preview in http://hilite.me

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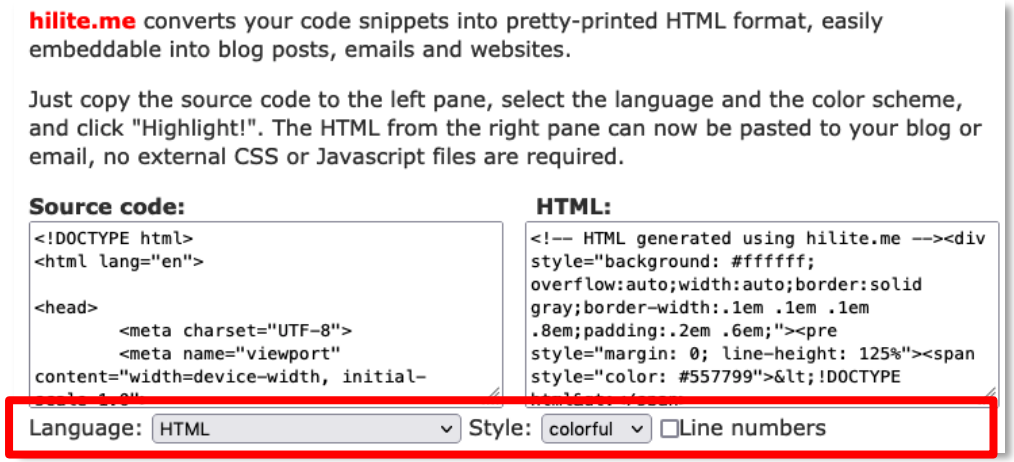
HTML

(Sample input to create the output required)



HTML selected with NO line numbers with Preview copied and pasted as text

```
<!DOCTYPE html>
<html lang="en">

    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>COM109 Interactive Web Authoring | Assignment 1 | Basketball Leaderboard </title>
        <link rel="stylesheet" type="text/css" href="css/stylesheet.css">

        <link rel="apple-touch-icon" sizes="180x180" href="favicon_io/apple-touch-icon.png">
        <link rel="icon" type="image/png" sizes="32x32" href="favicon_io/favicon-32x32.png">
        <link rel="icon" type="image/png" sizes="16x16" href="favicon_io/favicon-16x16.png">
        <link rel="manifest" href="favicon_io/site.webmanifest">
    </head>

    <body>
```

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```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script src="js/app.js"></script>

<header id="topHeading">
    <h1> BASKETBALL LEADERBOARD</h1>
    <h2> PLAYER CURRENT STANDINGS</h2>
</header><br>

<ol id="olItem">
    <li class="liItem" id="li1">
        <span class="pNameLeader">BRYANT, Kobe</span>
        <span class="pScoreLeader">100</span>
    </li>

    <li class="liItem" id="li2">
        <span class="pName">LeBRON, James</span>
        <span class="pScore">95</span>
    </li>

    <li class="liItem" id="li3">
        <span class="pName">O'NEAL, Shaquille</span>
        <span class="pScore">90</span>
    </li>

    <li class="liItem" id="li4">
        <span class="pName">JORDAN, Micheal</span>
        <span class="pScore">85</span>
    </li>

    <li class="liItem" id="li5">
        <span class="pName">CURRY, Stephen</span>
        <span class="pScore">80</span>
    </li>
</ol>
```

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```
        <footer id="footer">
            <input type="button" id="btnNewInformation" value="Add New Information">
            <fieldset id="footerFieldset">
                <h3>ADD NEW PLAYER TO THE LEADERBOARD</h3>
                <form name="form">
                    <label for="addName">Name: </label>
                    <input name="addName" id="addName" type="text">
                    <span class="error" id="nameError">Minimum of 4 Characters Required.</span>
                    <label for="addScore">Current Score: </label>
                    <input name="addScore" id="addScore" type="text">
                    <span class="error" id="scoreError">Must be a number within the range 0 to 100.</span>
                    <input type="button" id="btnSubmit" value="Submit">
                </form>
            </fieldset>
        </footer>
    </body>
</html>
```

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CSS

CSS selected with NO line numbers with Preview copied and pasted as text

```
@charset "UTF-8";

/* HEADER DESIGN */
#topHeading {
    /* For Safari */
    background: -webkit-linear-gradient(left, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    /* For Internet Explorer*/
    background: -ms-linear-gradient(left, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    /* Standard Syntax */
    background: linear-gradient(to right, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    padding: 2px;
    height: 100px;
    width: 100%;
}

h1, h2 {
    margin: 0.6em 0;
    text-align: center;
    color: white;
}

h1 {
    font-size: 2.5em;
    line-height: 0.4;
```

```
}

h2 {
    font-size: 1.75em;
    line-height: 0.1;
}

/* BACKGROUND DESIGN */

body {
    /* For Safari */
    background: -webkit-linear-gradient(left, rgb(120, 0, 0), rgba(120, 0, 0, 0), rgba(120, 0, 0, 0), rgba(120, 0,
0, 1)), url("../images/background.jpg");
    /* For Internet Explorer*/
    background: -ms-linear-gradient(left, rgb(120, 0, 0), rgba(120, 0, 0, 0), rgba(120, 0, 0, 0), rgba(120, 0, 0,
1)), url("../images/background.jpg");
    /* Standard Syntax */
    background: linear-gradient(to right, rgb(120, 0, 0), rgba(120, 0, 0, 0), rgba(120, 0, 0, 0), rgba(120, 0, 0,
1)), url("../images/background.jpg");
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
    margin: 0;
}

/* LEADERBOARD DESIGN */

#olItem {
    /* For Safari */
    background: -webkit-linear-gradient(left, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    /* For Internet Explorer*/
    background: -ms-linear-gradient(left, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    /* Standard Syntax */
    background: linear-gradient(to right, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    width: 500px;
    padding: 10px 30px;
```

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```
    font-size: 1.5em;
    text-align: right;
    color: white;
    margin: auto;
}

.liItem {
    /* For Safari */
    background: -webkit-linear-gradient(left, rgb(70, 0, 0), rgb(100, 0, 1), rgb(70, 0, 0));
    /* For Internet Explorer*/
    background: -ms-linear-gradient(left, rgb(70, 0, 0), rgb(100, 0, 1), rgb(70, 0, 0));
    /* Standard Syntax */
    background: linear-gradient(to right, rgb(70, 0, 0), rgb(100, 0, 1), rgb(70, 0, 0));
    border: 3px rgb(70, 0, 0) solid;
    margin: 5px;
    padding: 15px;
}

.pName {
    margin: 100px;
}

.pScore {
    font-weight: bold;
}

.pNameLeader {
    color: yellow;
    margin: 100px;
    font-weight: bolder;
}

.pScoreLeader {
    color: yellow;
    font-weight: bolder;
}
```

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```
/* FOOTER DESIGN */
#footer {
    /* For Safari */
    background: -webkit-linear-gradient(left, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    /* For Internet Explorer*/
    background: -ms-linear-gradient(left, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    /* Standard Syntax */
    background: linear-gradient(to right, rgb(90, 0, 0), rgb(120, 0, 1), rgb(90, 0, 0));
    padding: 10px;
    position: fixed;
    bottom: 0;
    width: 100%;
    text-align: center;
}

h3 {
    font-size: 1.5em;
    text-align: center;
    line-height: 0.1;
    color: white;
}

#footerFieldset {
    /* For Safari */
    background: -webkit-linear-gradient(left, rgb(70, 0, 0), rgb(100, 0, 1), rgb(70, 0, 0));
    /* For Internet Explorer*/
    background: -ms-linear-gradient(left, rgb(70, 0, 0), rgb(100, 0, 1), rgb(70, 0, 0));
    /* Standard Syntax */
    background: linear-gradient(to right, rgb(70, 0, 0), rgb(100, 0, 1), rgb(70, 0, 0));
    border: 4px rgb(70, 0, 0) solid;
    color: white;
    width: auto;
    font-size: 1.5em;
}
```

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```
.error {
    color: red;
    font-size: 0.75em;
}

/* Submit Button */

#btnSubmit {
    background-color: white;
    border: none;
    color: black;
    padding: 4px 4px ;
    text-align: center;
    font-size: 16px;
    transition-duration: 0.2s;
}

#btnSubmit:hover {
    background-color: lightgray;
}

#btnSubmit:active {
    background-color: gray;
    color: white;
}

/* Add New Information Button */

#btnNewInformation {
    background-color: rgb(150, 0, 0);
    border: double rgb(110, 0, 0);
    color: white;
    padding: 10px 10px ;
    text-align: center;
    font-size: 18px;
    transition-duration: 0.2s;
```

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```
}

#btnNewInformation:hover {
    background-color: rgb(200, 0, 0);
    color: white;
}

#btnNewInformation:active {
    background-color: white;
    color: black;
}
```

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jQuery

JavaScript selected WITH line numbers with Preview copied and pasted as text

```
$(document).ready(function(){

    /* Leaderboard Animation */
    $('#li1').css('opacity','0')
    $('#li2').css('opacity','0')
    $('#li3').css('opacity','0')
    $('#li4').css('opacity','0')
    $('#li5').css('opacity','0')

    $('#nameError').hide()
    $('#scoreError').hide()

    var currentLi = 1

    $('body').click(function(){
        $('#li'+currentLi).animate({
            opacity:"1"
        });
        currentLi += 1
    });
```

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```
/* Toggle New Information */
$('#footerFieldset').hide()
$('#btnNewInformation').click(function(){
    $('#footerFieldset').toggle({
        opacity: "1"
    });
});

/* Add New Item To List */

$('#btnSubmit').click(function(){
    $('#nameError').hide()
    $('#scoreError').hide()

    var Name = $('#addName').val()
    var Score = $('#addScore').val()

    var error = false;

    var newLi = 6

    if(Name.length < 4) {
        $('#nameError').show()
        error = true;
    }

    if(Score < 0 || Score > 100) {
        $('#scoreError').show()
        error = true;
    }

    if(isNaN(Score)) {
        $('#scoreError').show()
        error = true;
    }
```

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```
        if(error) {
            alert('Error! Please check the information you have entered is valid.')
        }
        else {
            $('#olItem').append('<li class="liItem" id="li' + newLi + '">' + '<span class="pName">' + Name +
'</span>' + '<span class="pScore">' + Score + '</span>' + '</li>')

            $('#li1').css('opacity','1')
            $('#li2').css('opacity','1')
            $('#li3').css('opacity','1')
            $('#li4').css('opacity','1')
            $('#li5').css('opacity','1')

            newLi += 1
        }
    });
});
```

COM109 Interactive Web Authoring Assignment 1 Report

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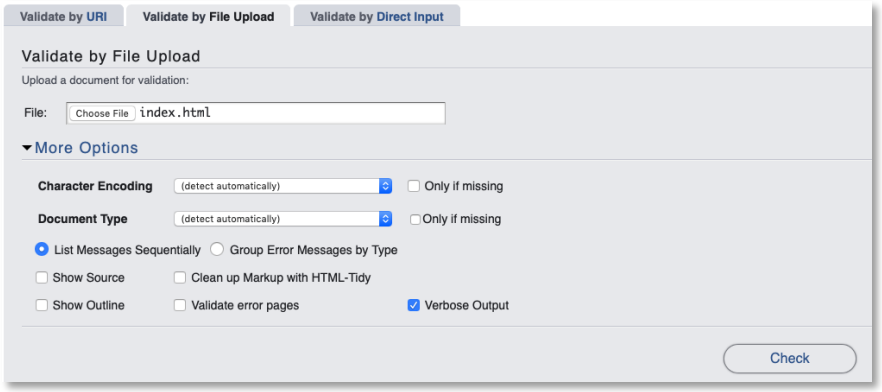
W3C Validation Report on LeaderBoard html file using: https://validator.w3.org/nu/#file



Verbose Output selected

Document checking completed. No errors or warnings to show.

COM109 Interactive Web Authoring Assignment 1 Report

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Sources

<favicon created using: https://favicon.io/>
<background and icon images from: https://pixabay.com/>
<background image compressed using: https://compressjpeg.com/>