A race car on a track

Description automatically generatedGraphical user interface

Description automatically generated

*Sample screenshot of LeaderBoard*

Graphical user interface, table

Description automatically generated with medium confidenceTable

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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>

HTML

*(Sample input to create the output required)*

Graphical user interface, text, application

Description automatically generated

*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, inital-scale=1.0">

<title>USA Grand Prix 2021</title>

<!--Links to CSS Style Sheets-->

<link rel="stylesheet" href="./CSS/leaderboardBackground.css" media ="screen">

<link rel="stylesheet" href="./CSS/leaderboardForm.css" media ="screen">

<link rel="stylesheet" href="./CSS/leaderboardStyle.css" media ="screen">

<!--Link to Icon - Found on Favicon.org-->

<link rel="icon" href="./Images/favicon1.ico" type="image/ico" sizes="16x16">

</head>

<body>

<div id="container">

<header>

<h1><b>Formula 1</b></h1>

<h1>F1 <span>United States Grand Prix 2021</span></h1>

<h2>Qualifying Lap Scores</h2>

</header>

<ol>

<li id = "one"><span>P1</span> - Lewis Hamilton - Mercedes - UK - 210 Points</li>

<li id = "two"><span>Sebastian Vettel</span> - Aston Martin - <span>Germany</span> - 203 Points</li>

<li id = "three"><span>Fernando Alonso</span> - Alpine - <span>Spain</span> - 198 Points</li>

<li id = "four"><span>Kimi Räikkönen</span> - Alfa Romeo - <span>Finland</span> - 192 Points</li>

<li id = "five"><span>Valtteri Bottas</span> - Mercedes - <span>Finland</span> - 186 Points</li>

</ol>

<button type="button" class="adddriver">Add Driver</button>

<!--Form to add a new driver to the leader board-->

<div id = "dataform">

<form>

<label for="dname">Driver Name</label>

<input type="text" id="dname" placeholder="Drivers name">

<label for="team">Team</label>

<select id="team">

<option value="Alfa Romeo">Alfa Romeo</option>

<option value="AlphaTauri">AlphaTauri</option>

<option value="Alpine">Alpine</option>

<option value="Aston Martin">Aston Martin</option>

<option value="Ferrari">Ferrari</option>

<option value="Haas">Haas</option>

<option value="McLaren">McLaren</option>

<option value="Mercedes">Mercedes</option>

<option value="Red Bull">Red Bull</option>

<option value="Williams">Williams</option>

</select>

<br>

<label for="country">Country</label>

<select id="country">

<option value="Australia">Australia</option>

<option value="Belgium">Belgium</option>

<option value="Canada">Canada</option>

<option value="Finland">Finland</option>

<option value="France">France</option>

<option value="Germany">Germany</option>

<option value="Italy">Italy</option>

<option value="Japan">Japan</option>

<option value="Mexico">Mexico</option>

<option value="Monaco">Monaco</option>

<option value="Netherlands">Netherlands</option>

<option value="Spain">Spain</option>

<option value="United Kingdom">United Kingdom</option>

<option value="USA">USA</option>

</select>

<label for="score">Score</label>

<input type= "text" id="score" placeholder="Driver Score 3 Digits">

<input type="submit" id = "submit" value="Submit">

</form>

</div>

</div>

<!-- Script Source-->

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

<script src = "./jquery/app.js"></script>

</body>

</html>

CSS

Graphical user interface, text, application

Description automatically generated

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

**@charset** "UTF-8";

/\*Font Styling\*/

body

{

**font-family**: Arial, 'Times New Roman', **sans-serif**, **serif**;

**font-size**: **20px**;

}

span

{

**color**: white;

}

/\*Heading Styles\*/

h1

{

**color**: red;

}

h1, h2{

**text-align**: **center**;

}

/\*Heading Style\*/

header

{

**background-color**: **rgb**(**34**, **33**, **33**);

**width**: **80**%;

**margin**: **0** **auto**;

**color**: white;

box-shadow: **10px** **10px** red;

**border-width**: **3px**;

**border-color**: white;

**border-style**:**solid**;

**margin-top**: **15px**;

**margin-bottom**: **40px**;

**padding**: **5px** **5px**;

}

/\*Styling for buttons\*/

button

{

**display**: **block**;

**width**:**25**%;

**background-color**: red;

**color**: white;

**padding**: **14px** **20px**;

**margin**: **0** **auto**;

**border**-radius: **25px**;

**border-width**: **3px**;

**border**-radius: **4px**;

**border-color**: white;

**cursor**: **pointer**;

}

/\*Styles the add driver button to change colour when hovered over\*/

button**:hover**

{

**background-color**: rgba(**255**, **0**, **0**, **0**.**644**);

}

/\*List Styling for different elements\*/

/\*Styles the list items\*/

li

{

**margin**: **0** **auto**;

**margin-top**: **15px**;

**width**: **60**%;

**padding**: **10px** **10px**;

**text-align**: **center**;

**background-color**: **rgb**(**34**, **33**, **33**);

**border-width**: **3px**;

**border-color**: white;

**border-style**:**solid**;

**border**-radius: **25px**;

**color**: red;

**font-size**: **23px**;

**position**: **relative**;

}

ol li:**:before**

{

**color**: white;

**display**: **inline**-**block**;

}

/\*Styling for first place driver\*/

**#one**

{

/\*https://pixabay.com/illustrations/union-jack-british-flag-uk-english-1027898/ \*/

**list-style-image**: url("../Images/UK-min.jpg");

**width**: **80**%;

**font-size**: **30px**;

**color**: black;

**background-color**: white;

**border-color**: red;

**border-style**:**solid**;

**border**-radius: **25px**;

}

**#one** span

{

**color**:red;

}

**#two**

{

/\*https://pixabay.com/vectors/germany-flag-nationality-country-31017/ \*/

**list-style-image**: url("../Images/german-min.jpg");

}

**#three**

{

/\*https://pixabay.com/vectors/spain-flag-national-flag-nation-162428/\*/

**list-style-image**: url("../Images/spain-min.jpg");

}

**#four**, **#five**

{

/\*https://pixabay.com/vectors/finland-flag-national-flag-nation-162294/ \*/

**list-style-image**: url("../Images/finland-min.jpg");

}

/\*Makes the list disappear on page load\*/

**#two**, **#three**, **#four**, **#five**

{

**visibility**:**hidden**;

}

/\*Inside container styling and background \*/

**#container**

{

/\*Size and positioning of container\*/

**margin**: **0** **auto**;

**margin-top**: **10px**;

**margin-bottom**: **0px**;

**padding-top**: **25px**;

**width**:**1000px**;

**height**: **100**%;

**background-repeat**: **no-repeat**;

/\*https://pixabay.com/photos/charles-leclerc-formula-one-race-6633966/\*/

/\*Styling of container border \*/

}

/\*Colour choice for the outside border area \*/

/\*Source: https://cssgradient.io/ \*/

body

{

/\*Overlays a white to red vertical gradient over background image\*/

**background-image**: linear-gradient(**0**deg, rgba(**253**,**45**,**45**,**1**) **10**%, rgba(**255**,**255**,**255**,**1**) **100**%), url(../Images/background-min.jpeg);

**background**-blend-mode: overlay;

**background-repeat**: **no-repeat**, **no-repeat**;

**background**-**size**: **100**% **160**%, cover;

**background-position**: **center**;

}

/\*Styles the overall form container\*/

**#dataform**

{

**background-color**: **rgb**(**34**, **33**, **33**);

**color**: white;

**width**: **80**%;

**margin**: **0** **auto**;

**margin-bottom**: **20px**;

**text-align**: **center**;

**padding**: **20px** **20px**;

**border**-radius: **25px**;

**border-width**: **3px**;

**border-color**: white;

**border-style**:**solid**;

**display**:**none**;

}

/\*Styles in the input boxes \*/

input[type=text], select

{

**width**: **25**%;

**padding**: **12px** **25px**;

**margin**: **8px** **0**;

**display**: **inline**-**block**;

**border**: **1px** **solid** **#ccc**;

**border**-radius: **4px**;

box-sizing: **border**-box;

}

/\*Style for the submit button\*/

input[type=submit]

{

**width**:**25**%;

**background-color**: red;

**color**: white;

**padding**: **14px** **20px**;

**margin**: **8px** **0**;

**border**: **none**;

**border**-radius: **4px**;

**cursor**: **pointer**;

}

/\*Changes the color when the submit button is hovered over\*/

input[type=submit]**:hover**

{

**background-color**: rgba(**255**, **0**, **0**, **0**.**644**);

}

jQuery

Graphical user interface, text, application

Description automatically generated

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

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  117  118  119 | //On load the website hides the list items (after the first) and form and uses animation to reposition them off screen  $(document).ready(**function**(){  $("#two, #three, #four, #five").animate({  right: "2000px",  });  });  //On click the list is set to show and then animates by sliding in from the left side of the screen in original position  $("#container").click(**function**(){  $("#two").css({"visibility": "visible"});  $("#two").animate({  right: "0px",  });  $("#container").click(**function**(){  $("#three").css({"visibility": "visible"});  $("#three").animate({  right: "-20px",  });  $("#container").click(**function**(){  $("#four").css({"visibility": "visible"});  $("#four").animate({  right: "-40px",  });  $("#container").click(**function**(){  $("#five").css({"visibility": "visible"});  $("#five").animate({  right: "-60px",  });  });  });  });  });  //Add driver button reveals data form through a toggle reveal  $(".adddriver").click(**function**(){  $("#dataform").toggle(**1000**)  //Sets the focus into the driver name text box when the add driver form appears  $("#dname").focus();  });  //SUBMIT  //Submit button adds form details to list  $('#dataform').submit(**function**(evt) {  //Picks up on blank fields and returns them as an error  evt.preventDefault();  error = **false**;  **var** name = $("#dname").val();  **var** country = $("#country").val();  **var** team = $("#team").val();  **var** score = $("#score").val();  //VALIDATION  //Checks the name to see if it is less than two letters. Allows anything over two letters to allow for names such as "Al" or "Ed".  //Outputs an error message if less than two.  **if** (name.length < **2**)  {  error = **true**;  $("#dname").css("background-color", "rgb(255, 127, 127)");  }  **if** (name.length > **15**)  {  error = **true**;  $("#dname").css("background-color", "rgb(255, 127, 127)");  }  //Checks if the name matches the format which only allows upper and lower case letters  //Calls function validName  **if** (!validName(name))  {  alert ("Name must be more than one letter, less than 15 characters and not contain any numbers.")  $("#dname").css("background-color", "rgb(255, 127, 127)");  error=**true**;  }  //Checks if the score has only numbers from 0-9 with 3 digits and is a positive and returns a true and adds it to the boolean error if it doesn't match  **if** (!validScore(score))  {  alert ("Score must contain at least three digits eg. 090 and cannot be a negative")  $("#score").css("background-color", "rgb(255, 127, 127)");  error=**true**;  }  //Checks if score is above 250 points which it will output and error  **if** (score > **250**)  {  alert ("Score can not be above 250 points")  $("#score").css("background-color", "rgb(255, 127, 127)");  error = **true**;  }  //If any errors in the data validation, outputs and allert to the user to declare that the input has issues won't be added  **if** (error)  alert("Issues inputting data. Please try again.");  **else**  $("ol").append('<li id = "six"><span>' + name +'</span> - '+ team +' - <span>' + country + '</span> - ' + score + ' Points</li>');  $("#six").animate({  right: "-80px",  });  //Function to check if name only has letters  **function** validName(inputtxt) {  **var** nameFormat = /^[a-z A-Z]+$/;  **if**(inputtxt.match(nameFormat))  {  **return** **true**  }  **else**  {  **return** **false**  }  }  //Function to check if the score contains only numbers from 1-9 and only has 3 figures  **function** validScore(inputtxt) {  **var** scoreFormat = /^([0-9]{3})+$/;  **if**(inputtxt.match(scoreFormat))  {  **return** **true**  }  **else**  {  **return** **false**  }  }  }); |

W3C Validation Report on LeaderBoard html file using: [https://validator.w3.org/nu/#file](https://validator.w3.org/nu/" \l "file)

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated*Verbose Output selected*

Sources

CC SEARCH

BACKGROUND - /\*https://pixabay.com/photos/charles-leclerc-formula-one-race-6633966/\*/

GERMAN FLAG - /\*https://pixabay.com/vectors/germany-flag-nationality-country-31017/ \*/

SPAIN FLAG - /\*https://pixabay.com/vectors/spain-flag-national-flag-nation-162428/\*/

FINISH FLAG - /\*https://pixabay.com/vectors/finland-flag-national-flag-nation-162294/ \*/

UK FLAG - /\*https://pixabay.com/illustrations/union-jack-british-flag-uk-english-1027898/ \*/

BACKGROUND GRADIENT - /\*Source: https://cssgradient.io/ \*/

ICON - <!--Link to Icon - Found on Favicon.org-->