

Course Project Report

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Intro to JavaScript

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Table of Contents:

Cover Page	1
Table of Contents	2
Section 1: Website Background/Purpose	3
Section 2: New Features Added	4
Section 3: Implementation Techniques	5-13
Section 4: Browser/Wave Testing	14-23
Section 5: Validation	24-38
Summary and Feedback	39

Section 1: Website Background and Purpose

This website has been adapted from a previous course project for DGL-103 in Semester 1 of the DGL program (Fall 2020). I have chosen to continue work on the site and add increased functionality using the skills and concepts learned throughout this course, “Intro to JavaScript”. This website will be a project that I continue to adapt as my skills grow as a developer.

Excerpt from Prior Website Project Report:

“This website will serve as a showcase of my abilities and continue to grow as I build more content through my student career. Upon completing my program at NIC, I will continue to develop the site as a portfolio and contact page for prospective employers and freelance contractors.”

My Website is comprised of the following pages:

1. Home Page:

My home page is an entry point to the website. It will be a simple welcome page, introducing my potential “business” and indicating the purpose of the website to viewers.

2. About Me:

The About Me page is an introduction and personal profile. It includes short profiles of important members of my life. Additionally, this page contains a gallery of photographs of my adventures.

3. Game Room:

The Game Room page is a more personal addition to the website and will primarily be focussed on my passion for video games. It presents a list of the games I am currently playing as well as my top three games of all time with insights into why I consider them to be of such a high standard.

4. Portfolio:

The Portfolio page is a small display of my completed work throughout my school career and beyond (in need of further content updates outside the scope of this assignment requirements).

5. Contact:

The Schedule and Contact page is a place for visitors to find my current schedule and availability as well as provide options to contact me through multiple channels.

Section 2: New Features Added

I have used many of the JavaScript techniques learned throughout the semester to increase the functionality of my website. Prior to these updates the website was purely static and contained little interactivity for the user save for a few CSS hover effects. I wanted to use JavaScript to increase the usability of the site and create a more engaging experience. Additionally, I want this website to be a functional tool for me to use throughout my career.

New features I have added to the website include:

1. “Dummy” Log-In/Out Credentials:

In order to simulate my future intentions for this website, I have added a “pretend” admin log-in. I say this is “pretend” as one look at the code and you will be able to obtain the hard-coded credentials. I wanted to implement this to practice having additional functionality as the admin to my own website. When logged in, I can access my calendar scheduling detailed below. I have also added the ability to log-out and return to the normal presentation.

2. Cookie/localStorage Persistence:

I have implemented cookies to maintain the admin access features, as well as keep a persistent theme on each page of the website. Additionally, I have used localStorage in the functionality of my calendar scheduling functions. This is a temporary solution to the lack of server/database access allowed by GitHub pages hosting and demonstrates my future intentions.

3. Theme Selection:

I have added a theme selection button to the footer of the website. Due to the vibrant/colourful nature of my initial design, I thought it would be fitting to implement a Black and White mode. This theme is persistent by using cookies and handles the toggling of colour for every element on the website including photos.

4. Gallery Modal Images:

On my About Me page, I have added increased functionality to my Gallery. This allows the user to click images and display them in a pop-out modal box on top of the rest of the page.

5. DOM Generated Calendar and Scheduling:

I have increased the functionality of my Contact Page by dynamically creating the calendar using JavaScript. The calendar contents are created based on current date information and present accurate days of each month. It includes the ability to navigate months and responds to the selections made in my request form below. I have added some functionality to my calendar, only accessible when logged in as Admin. This allows me to add and remove busy dates in my schedule and maintain them using localStorage and JSON serialization.

Section 3: Implementation Techniques

Implementing the features discussed in Section 2 required using the combined skills I have developed thus far in the DGL program. In addition to techniques learned throughout the course, I have researched further coding practises online to ensure my website responds as intended. Implementing the calendar for example required some significant troubleshooting and patience. I have included screenshots with code and comments to further present my implementation.

Techniques Used to Implement My Features Include:

1. “Dummy” Log-In/Out Credentials:

To implement my Log-In feature I am leveraging the use of cookie storage to simulate having a particular user logged into the site. As stated earlier, this is in no way a secure authentication. I have added hard-coded credentials and used these to perform conditional checks on the input values in each respective field for username and password. If the input fields contain the right values when the login button is clicked, I call to another function to change the presentation of the website for Admin access. This is done by changing the display properties of certain elements indicated with the “.adminOnly” class. If the wrong details are entered, an Alert is presented indicating incorrect log in details were entered and the site remains the same. On initial load, admin only elements are set to display “none” by default unless cookies indicate an admin is logged in.

```

16 window.addEventListener("load", checkForAdmin);

19 /* Pretend Log In/Admin Access */
20
21 //Pretend log in credentials (unsecure, but just for a display of functionality on github pages site)
22 const ADMIN = "ItsJustJarvis";
23 const CREDENTIALS = "admin";
24
25 //Get ahold of login form and buttons, add event listeners for log in and log out response
26 let loginForm = document.getElementById("adminLogIn");
27 let loginButton = document.getElementById("submitLogIn");
28 loginButton.addEventListener("click", loggingIn);
29 let logoutButton = document.getElementById("logOut");
30 logoutButton.addEventListener("click", loggingOut);
31
32 //When logging in, get the input form values and compare to admin credentials.
33 //If successful display admin features and save username as cookie for persistence, else alert incorrect entry.
34 function loggingIn(event) {
35     event.preventDefault();
36
37     let username = loginForm.username.value;
38     let password = loginForm.password.value;
39
40     if (username === ADMIN && password === CREDENTIALS) {
41         alert("Welcome Back Reeve!");
42         createCookie("userName", username, 1, "/");
43         adminAccess();
44     } else {
45         alert("Incorrect Log-In Details");
46     }
47 }

```

```

49 //Logging out will hide admin features and remove cookie for admin username, then reload the page
50 function loggingOut(event) {
51     event.preventDefault();
52     hideAdmin();
53     createCookie("userName", "", -1, "/");
54     location.reload();
55     return false;
56 }
57
58 //Check for admin credentials from cookies and display content accordingly
59 function checkForAdmin() {
60     let currentUser = getCookie("userName");
61     if (currentUser == ADMIN) {
62         adminAccess();
63     } else hideAdmin();
64 }
65
66 //Display admin only content (currently only implemented in calendar entry)
67 function adminAccess() {
68     loginForm.style.display = "none";
69     let adminViewList = document.querySelectorAll(".adminOnly");
70     for (let i = 0; i < adminViewList.length; i++)
71         adminViewList[i].style.display = "table-row";
72 }
73
74 //Hide admin only content
75 function hideAdmin() {
76     let adminViewList = document.querySelectorAll(".adminOnly");
77     for (let i = 0; i < adminViewList.length; i++)
78         adminViewList[i].style.display = "none";
79 }

```

2. Cookie/localStorage Persistence:

To implement cookie storage I have used the functions presented to us in the course materials. For my website I have decided to use cookies for the current theme of the site, as well as the userName if the admin is logged in. These values will allow presentation to remain persistent while navigating the website.

```

154 //Creating cookies function pulled from course materials
155 function createCookie(name, value, days, path, domain, secure) {
156     let expires;
157     if (days) {
158         let date = new Date();
159         date.setTime(date.getTime() + days * 24 * 60 * 60 * 1000);
160         expires = date.toGMTString();
161     } else expires = "";
162     let cookieString = name + "=" + escape(value);
163     if (expires) cookieString += "; expires=" + expires;
164     if (path) cookieString += "; path=" + escape(path);
165     if (domain) cookieString += "; domain=" + escape(domain);
166     if (secure) cookieString += "; secure";
167     document.cookie = cookieString;
168 }
169
170 //Getting cookie function pulled from course materials
171 function getCookie(name) {
172     var nameEquals = name + "=";
173     var crumbs = document.cookie.split(";");
174     for (var i = 0; i < crumbs.length; i++) {
175         var crumb = crumbs[i].trim();
176         if (crumb.indexOf(nameEquals) == 0) {
177             return unescape(crumb.substr(nameEquals.length, crumb.length));
178         }
179     }
180     return null;
181 }

```

Additionally, I have implemented localStorage for the scheduling functionality of my calendar. I am leveraging JSON serialization to store and update an array of Date objects and present the calendar with current busy dates. To do this I have created functions that act as a getter/setter as well as updating the running list through array concatenation:

```

209 //Function to save the busy dates into the local storage and maintain running list using JSON
210 function saveBusyDates(array) {
211   localStorage.setItem("busyDatesArray", JSON.stringify(array));
212 }
213
214 //Function to update/concatenate busy date arrays as necessary to maintain running list
215 //and then save to local storage using JSON
216 function updateBusyDates(array) {
217   let updatedBusyDatesArray = getBusyDates();
218   let newArray = updatedBusyDatesArray.concat(array);
219   saveBusyDates(newArray);
220 }
221
222 //Function to get all current busy dates from local storage and parse the JSON array
223 function getBusyDates() {
224   let retrievedData = localStorage.getItem("busyDatesArray");
225   if (!retrievedData) {
226     saveBusyDates(busyDates);
227     retrievedData = localStorage.getItem("busyDatesArray");
228   }
229   let retrievedBusyDatesArray = JSON.parse(retrievedData);
230   return retrievedBusyDatesArray;
231 }

```

3. Theme Selection:

To implement theme selection I am performing an ".indexOf" search through the document.styleSheets list to get a hold of the two I am concerned with. I am then toggling their disabled attribute and the button text in response to a button click, this saves the current theme into a cookie and changes the elements of the page accordingly.

```

83 //Declare variables for different themes
84 let themeBW, themeColour;
85
86 //Get ahold of theme button, and add event listener
87 let themeButton = document.getElementById("themeButton");
88 themeButton.addEventListener("click", changeMode);
89
90 //Theme enabler refactored and implemented much cleaner than in previous assignment
91 //Get cookie for current theme and set accordingly by accessing stylesheet list and
92 //attaching variables to govern each theme.
93 //Set the proper button text, and photos (colour or black and white)
94 function themeEnabler() {
95   let themeReference = getCookie("theme");
96   let allStyleSheets = document.styleSheets;
97
98   for (let i = 0; i < allStyleSheets.length; i++) {
99     if (allStyleSheets[i].href.indexOf("css_blackAndWhiteStyles.css") != -1)
100       themeBW = allStyleSheets[i];
101     if (allStyleSheets[i].href.indexOf("css_colourStyles.css") != -1)
102       themeColour = allStyleSheets[i];
103   }
104
105   if (themeReference == null) {
106     themeBW.disabled = true;
107   } else if (themeReference == themeBW.href) {
108     themeColour.disabled = true;
109   } else {
110     themeBW.disabled = true;
111   }
112   setThemeButtonText();
113   setThemePhotos();
114 }

```

To achieve a black and white theme across my website I needed to store an alternative folder with the same images but grayscale using Photoshop and then change the src path using JavaScript.

```

116 //Function used to adjust the photos used based on theme by changing their src path
117 function setThemePhotos() {
118     let allPhotos = document.querySelectorAll("img");
119     let photoSourceFolder;
120
121     if (themeBW.disabled) photoSourceFolder = "photos";
122     if (themeColour.disabled) photoSourceFolder = "bwPhotos";
123
124     for (let i = 0; i < allPhotos.length; i++) {
125         let path = allPhotos[i].src;
126         let pathArray = path.split("/");
127         let file = pathArray[pathArray.length - 1];
128         let newSRC = `${photoSourceFolder}/${file}`;
129         allPhotos[i].setAttribute("src", newSRC);
130     }
131 }
132
133 //Function to set the theme button text according to current theme
134 function setThemeButtonText() {
135     if (themeBW.disabled) {
136         themeButton.innerHTML = "Black/White Mode";
137         createCookie("theme", themeColour.href);
138     }
139     if (themeColour.disabled) {
140         themeButton.innerHTML = "Colour Mode";
141         createCookie("theme", themeBW.href);
142     }
143 }
144
145 //Event handler to change the theme on theme button click
146 function changeMode() {
147     themeBW.disabled = !themeBW.disabled;
148     themeColour.disabled = !themeBW.disabled;
149     setThemeButtonText();
150     setThemePhotos();
151 }

```

4. Gallery Modal Images:

To implement my gallery image modals I used some CSS zoom animations and adjusted styles in response to JavaScript function calls. I am using a “querySelectorAll” to obtain the gallery images and add event listeners to each of them. These call the modal image to display as a block on top of the rest of the page contents using z-index. The alt text from the image is used to present a caption, and a close button is shown in the top right of the screen.

```

12 .modalImage,
13 #caption {
14     animation-name: popup;
15     animation-duration: 1s;
16 }
17 .closeModal {
18     transition: 0.5s;
19 }
20 @keyframes popup {
21     from {
22         transform: scale(0);
23     }
24     to {
25         transform: scale(1);
26     }
27 }

```



```

14
15 //Get ahold of modal container and contents
16 let modal = document.getElementById("imagePopup");
17 let modalImg = document.getElementById("shownImage");
18 let captionText = document.getElementById("caption");
19
20 //Get ahold of all gallery images and set event listeners on them all
21 let galleryImages = document.querySelectorAll(".galleryImage");
22 for (let i = 0; i < galleryImages.length; i++) {
23   galleryImages[i].addEventListener("click", displayModalImage);
24 }
25
26 //Get ahold of modal closer and add event listener
27 let span = document.getElementsByClassName("closeModal")[0];
28 span.addEventListener("click", closeModalImage);
29
30 //Display selected modal image on top of screen with caption comprised of the alt text
31 function displayModalImage() {
32   modal.style.display = "block";
33   modalImg.src = this.src;
34   captionText.innerHTML = this.alt;
35 }
36
37 //Close the modal image by setting its display attribute to none
38 function closeModalImage() {
39   modal.style.display = "none";
40 }
41

```

5. DOM Generated Calendar and Scheduling:

To implement my calendar, I am creating the table dynamically each time the page is loaded, or month is changed using DOM functions and accurate date information gathered with Date objects. I am displaying the calendar on the current month and year on load and have declared some arrays and variables to track the data I need. I get a hold of the elements that are present in my HTML code, and create the rest using JavaScript. The table contents are then produced through various functions I have implemented. The dates are filled in day by day, week by week within the bounds of the MAX_DAYS and MAX_WEEKS constants I have declared.

```

13 "use strict";
14
15 //Declare names of months to use for presentation in accordance with index values
16 let monthsList=["January","February","March","April","May","June","July","August","September",
17 ,"October","November","December",];
18
19 //Initialize a date object, and other variables to represent the current day/month/year.
20 let today = new Date();
21 today.setHours(0, 0, 0, 0);
22 let currentMonth = today.getMonth();
23 let currentYear = today.getFullYear();
24 const MAX_WEEKS = 6;
25 const MAX_DAYS = 7;
26
27 //Initialize an array to contain busy dates, set initial contents to include today (no same day bookings
28 //without special request)
29 let busyDates = [today];
30
31 //On loading page, display calendar with current month/year
32 window.addEventListener("load", displayCalendar(currentMonth, currentYear));
33
34
35
36 //Get ahold of the calendar navigation button for the previous month and set event listener
37 let previousMonthButton = document.getElementById("previousMonth");
38 previousMonthButton.addEventListener("click", showPreviousMonth);
39
40
41 //Get ahold of the calendar navigation button for the next month and set event listener
42 let nextMonthButton = document.getElementById("nextMonth");
43 nextMonthButton.addEventListener("click", showNextMonth);
44
45

```

```

54 //Create button to submit new busy dates, set attributes and event listener
55 let setBusyDatesButton = document.createElement("input");
56 setBusyDatesButton.setAttribute("type", "submit");
57 setBusyDatesButton.setAttribute("value", "Set Busy Dates");
58 setBusyDatesButton.addEventListener("click", addBusyDates);
59
60 //Create button to remove busy dates from schedule, set attributes and event listener
61 let removeBusyDatesButton = document.createElement("input");
62 removeBusyDatesButton.setAttribute("type", "submit");
63 removeBusyDatesButton.setAttribute("value", "Remove Busy Dates");
64 removeBusyDatesButton.addEventListener("click", removeBusyDates);
65
66 //Get ahold of container for scheduling form, append previously created submit buttons to it
67 let scheduleEntryRow = document.getElementById("blackoutEntry");
68 scheduleEntryRow.appendChild(setBusyDatesButton);
69 scheduleEntryRow.appendChild(removeBusyDatesButton);
70
71 //Get ahold of request form date entry to allow cross-calendar response, set event listener to respond to changes
72 let requestDate = document.getElementById("date");
73 requestDate.addEventListener("change", showSelectedMonth);
74
75 //Display calendar, initiated on load among other places. Calls functions to set month, date, and busy dates in schedule
76 function displayCalendar(month, year) {
77     setCalendarMonth(month, year);
78     setCalendarDays(month, year);
79     setAllBusyDates();
80 }
81
82 //Set the heading of the calendar to represent the current month and year, filling with dynamic information
83 function setCalendarMonth(month, year) {
84     let calendarHeading = document.getElementById("monthYear");
85     calendarHeading.innerHTML = "";
86     let text = document.createTextNode(`${monthsList[month]} ${year}`);
87     calendarHeading.appendChild(text);
88 }
89
90 //Dynamically create calendar table and set the days of the calendar month, removing and refreshing the values
91 //on a month change. Implemented using ideas from course assignments and techniques found in research.
92 //Adjusted to fit my needs and react to busy date scheduling functionality.
93 function setCalendarDays(month, year) {
94     let newCalendar = new Date(year, month);
95     let weekdayStart = newCalendar.getDay();
96     let calendarBody = document.getElementById("calendarBody");
97     let priorCellsUsed = 1;
98     let dayCount = 1;
99
100     calendarBody.innerHTML = "";
101
102     for (let row = 0; row < MAX_WEEKS; row++) {
103         let week = document.createElement("tr");
104         week.classList.add("weeks");
105         for (let cell = 0; cell < MAX_DAYS; cell++) {
106             if (row == 0 && cell < weekdayStart) {
107                 let day = document.createElement("td");
108                 let dayLabel = document.createTextNode(" ");
109                 day.appendChild(dayLabel);
110                 day.classList.add("lastMonth");
111                 week.appendChild(day);
112                 priorCellsUsed++;
113             } else {
114                 let day = document.createElement("td");
115                 day.classList.add("daysOfMonth");
116                 let dayLabel = document.createTextNode(dayCount);
117                 day.appendChild(dayLabel);
118                 week.appendChild(day);
119                 dayCount++;
120             }
121         }
122         calendarBody.appendChild(week);
123     }
124     removeUnwantedCells(priorCellsUsed);
125 }

```

When I have produced the full calendar, I fill the remains of the current week with a solid blue td element and set any td elements past the last row of the month to display “none” to avoid any unnecessary cells and maintain a nice presentation.

```

127 //Remove unwanted cells from calendar display to keep desired appearance.
128 function removeUnwantedCells(priorCellsUsed) {
129     let allDays = document.querySelectorAll(".daysOfMonth");
130     let trailingCells =
131         allDays.length - numberOfDaysInMonth(currentMonth, currentYear);
132     let difference = trailingCells % 7;
133     let cellsToKeep = difference + numberOfDaysInMonth(currentMonth, currentYear);
134     for (let i = 0; i < allDays.length; i++) {
135         if (Number.parseInt(allDays[i].innerHTML) > cellsToKeep) {
136             allDays[i].style.display = "none";
137         } else if (
138             Number.parseInt(allDays[i].innerHTML) >
139             numberOfDaysInMonth(currentMonth, currentYear)
140         ) {
141             allDays[i].innerHTML = " ";
142             allDays[i].classList.add("lastMonth");
143         }
144     }
145 }

```

The calendar also responds to navigation buttons I have added to go forward and backwards in months. This works by adjusting the values of the current month and year variables I have declared. Additionally, I have the calendar set up to respond to a date change in the Request Form underneath it, showing the month selected in the correct year as well as highlighting the day chosen to reference against my scheduled busy days.

```

136 //Function to get an accurate number of days in month by using technique found in research
137 // on stack overflow. Setting the date to larger value than possible resets to the last day.
138 function numberOfDaysInMonth(month, year) {
139     return 32 - new Date(year, month, 32).getDate();
140 }
141
142 //Event handler for previous month button press, adjusting the value of the current month and
143 //reacting to possible year change then displaying new calendar
144 function showPreviousMonth() {
145     currentMonth--;
146     if (currentMonth < 0) {
147         currentMonth = 11;
148         currentYear--;
149     }
150     displayCalendar(currentMonth, currentYear);
151 }
152
153 //Event handler for next month button press, adjusting the value of the current month and
154 //reacting to possible year change then displaying new calendar
155 function showNextMonth() {
156     currentMonth++;
157     if (currentMonth > 11) {
158         currentMonth = 0;
159         currentYear++;
160     }
161     displayCalendar(currentMonth, currentYear);
162 }
163
164 //Cross-calendar reaction to request-form date selection, showing the month and year selected
165 //as well as highlighting the day to check availability
166 function showSelectedMonth() {
167     let daySelected = requestDate.valueAsDate.getUTCDate();
168     let monthSelected = requestDate.valueAsDate.getMonth();
169     let yearSelected = requestDate.valueAsDate.getFullYear();
170     currentMonth = monthSelected;
171     currentYear = yearSelected;
172     displayCalendar(currentMonth, currentYear);
173     setSelectedDay(daySelected);
174     requestDate.value = "";
175 }

```

```

177 //Function to highlight the date selected in the request-form
178 function setSelectedDay(selectedDay) {
179   let allDays = document.querySelectorAll(".daysOfMonth");
180   for (let i = 0; i < allDays.length; i++) {
181     if (selectedDay == allDays[i].innerHTML)
182       allDays[i].classList.add("selected");
183   }
184 }
185
186 //Event handler to add busy dates to the calendar schedule, blocking them out and adding them to
187 // the array/local storage to remain persistent. This implementation using local storage is purely
188 //to display functionality as github only allows static websites. To be adjusted when website is
189 //hosted elsewhere.
190 function addBusyDates(event) {
191   event.preventDefault();
192
193   let startEntry = document.getElementById("startDate");
194   let startBusyDate = new Date(startEntry.value + "T00:00");
195
196   let endEntry = document.getElementById("endDate");
197   let endBusyDate = new Date(endEntry.value + "T00:00");
198
199   let days = document.querySelectorAll(".daysOfMonth");
200
201   for (let i = 0; i < days.length; i++) {
202     let day = Number.parseInt(days[i].innerHTML);
203     let dateInQuestion = new Date(currentYear, currentMonth, day);
204     if (dateInQuestion >= startBusyDate && dateInQuestion <= endBusyDate) {
205       days[i].classList.add("busy");
206       busyDates.push(dateInQuestion.toISOString());
207     }
208   }
209   updateBusyDates(busyDates);
210   startEntry.value = "";
211   endEntry.value = "";
212 }

```

And finally, I have added the ability to schedule busy dates into the calendar when I am logged in to the Admin account. There are two date selection boxes that define the bounds of the selection, and the busy dates within the calendar are set using CSS classes in response to a button click. There is a button to add dates, and a button to remove them. This leverages the localStorage and JSON serialization features explained previously and is used as an alternative to database connections to demonstrate functionality options I plan to implement for my website.

```

209 //Function to save the busy dates into the local storage and maintain running list using JSON
210 function saveBusyDates(array) {
211   localStorage.setItem("busyDatesArray", JSON.stringify(array));
212 }
213
214 //Function to update/concatenate busy date arrays as necessary to maintain running list
215 //and then save to local storage using JSON
216 function updateBusyDates(array) {
217   let updatedBusyDatesArray = getBusyDates();
218   let newArray = updatedBusyDatesArray.concat(array);
219   saveBusyDates(newArray);
220 }
221
222 //Function to get all current busy dates from local storage and parse the JSON array
223 function getBusyDates() {
224   let retrievedData = localStorage.getItem("busyDatesArray");
225   if (!retrievedData) {
226     saveBusyDates(busyDates);
227     retrievedData = localStorage.getItem("busyDatesArray");
228   }
229   let retrievedBusyDatesArray = JSON.parse(retrievedData);
230   return retrievedBusyDatesArray;
231 }

```

```

238 //Event handler to remove busy dates from the schedule and return them to their open state,
239 //updating local storage to maintain current list
240 function removeBusyDates(event) {
241     event.preventDefault();
242
243     let allBusyDates = getBusyDates();
244
245     let startEntry = document.getElementById("startDate");
246     let startDateRemoval = new Date(startEntry.value + "T00:00");
247
248     let endEntry = document.getElementById("endDate");
249     let endDateRemoval = new Date(endEntry.value + "T00:00");
250
251     let days = document.querySelectorAll(".daysOfMonth");
252     for (let i = 0; i < days.length; i++) {
253         let day = Number.parseInt(days[i].innerHTML);
254         let dateInQuestion = new Date(currentYear, currentMonth, day);
255         if (
256             dateInQuestion >= startDateRemoval &&
257             dateInQuestion <= endDateRemoval
258         ) {
259             days[i].classList.remove("busy");
260             for (let x = 0; x < allBusyDates.length; x++) {
261                 let dateToCompare = new Date(allBusyDates[x]);
262                 if (dateInQuestion.getTime() == dateToCompare.getTime()) {
263                     allBusyDates.splice(x, 1);
264                     saveBusyDates(allBusyDates);
265                 }
266             }
267         }
268     }
269     startEntry.value = "";
270     endEntry.value = "";
271 }
272

```

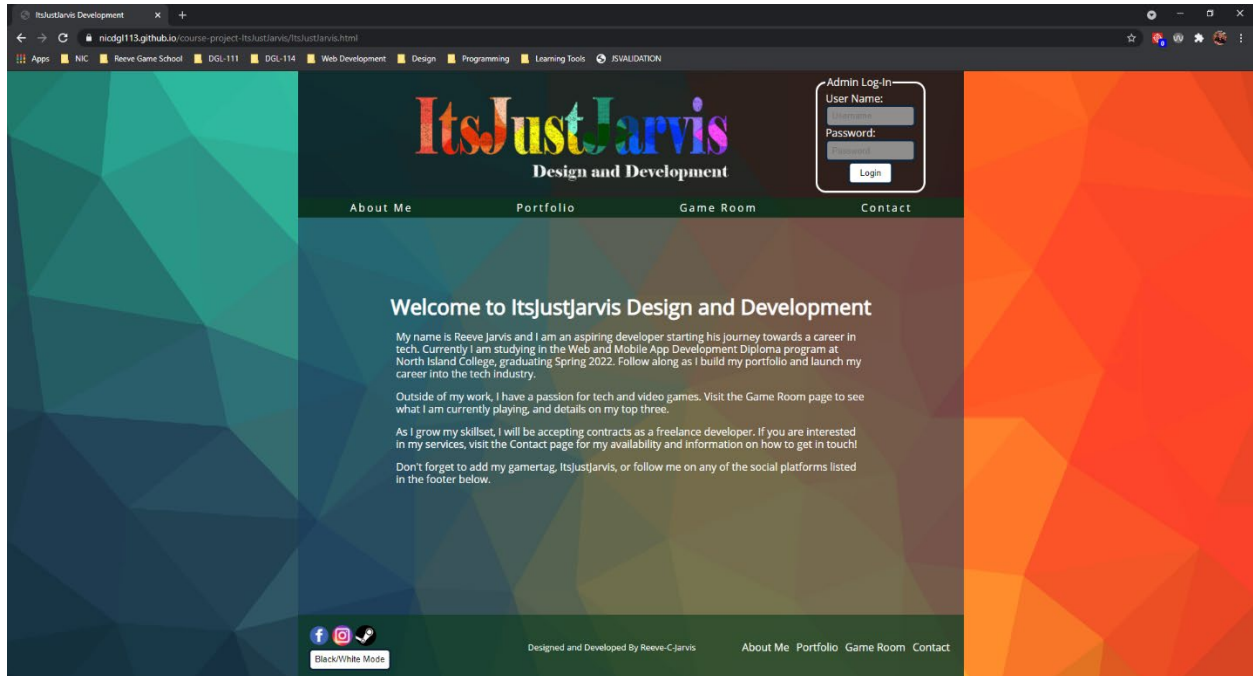
```

273 //Function to set all the busy dates within presented calendar using persistent list of busy
274 //dates in local storage
275 function setAllBusyDates() {
276     let allBusyDates = getBusyDates();
277     let days = document.querySelectorAll(".daysOfMonth");
278
279     for (let i = 0; i < days.length; i++) {
280         let day = Number.parseInt(days[i].innerHTML);
281         let date1 = new Date(currentYear, currentMonth, day);
282         for (let x = 0; x < allBusyDates.length; x++) {
283             let date2 = new Date(allBusyDates[x]);
284             if (date1.getTime() == date2.getTime()) days[i].classList.add("busy");
285         }
286     }
287 }
288

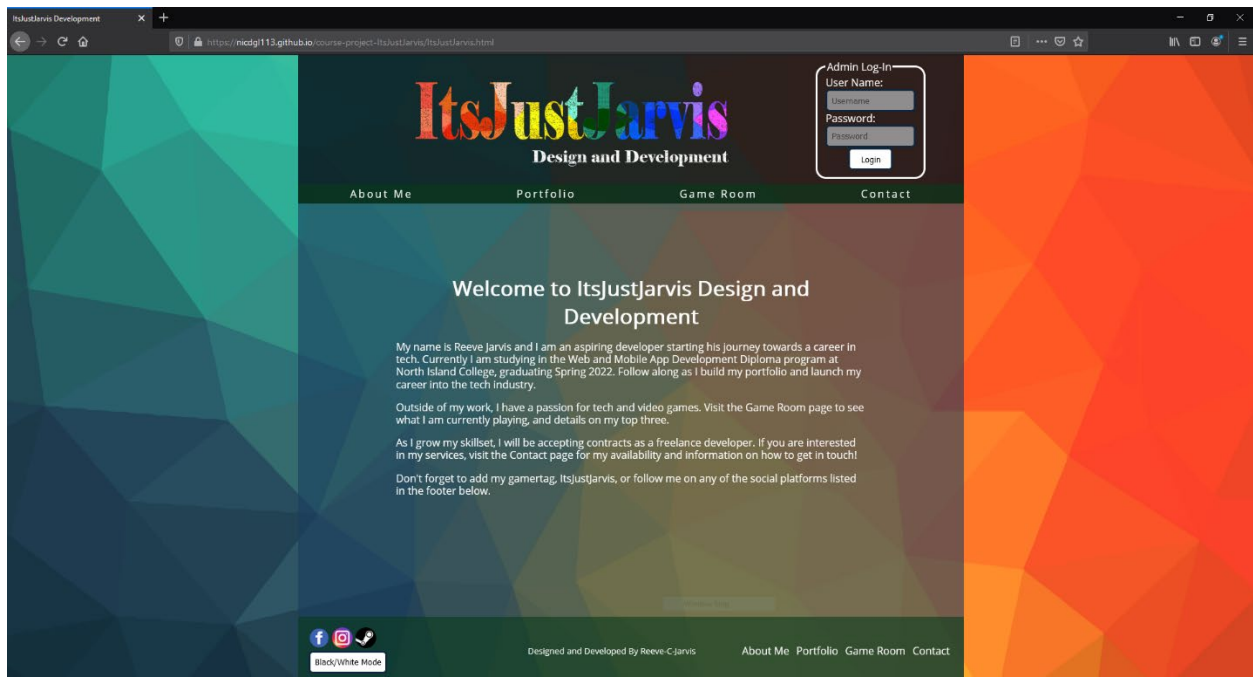
```

Section 4: Browser/Wave Testing

Chrome:

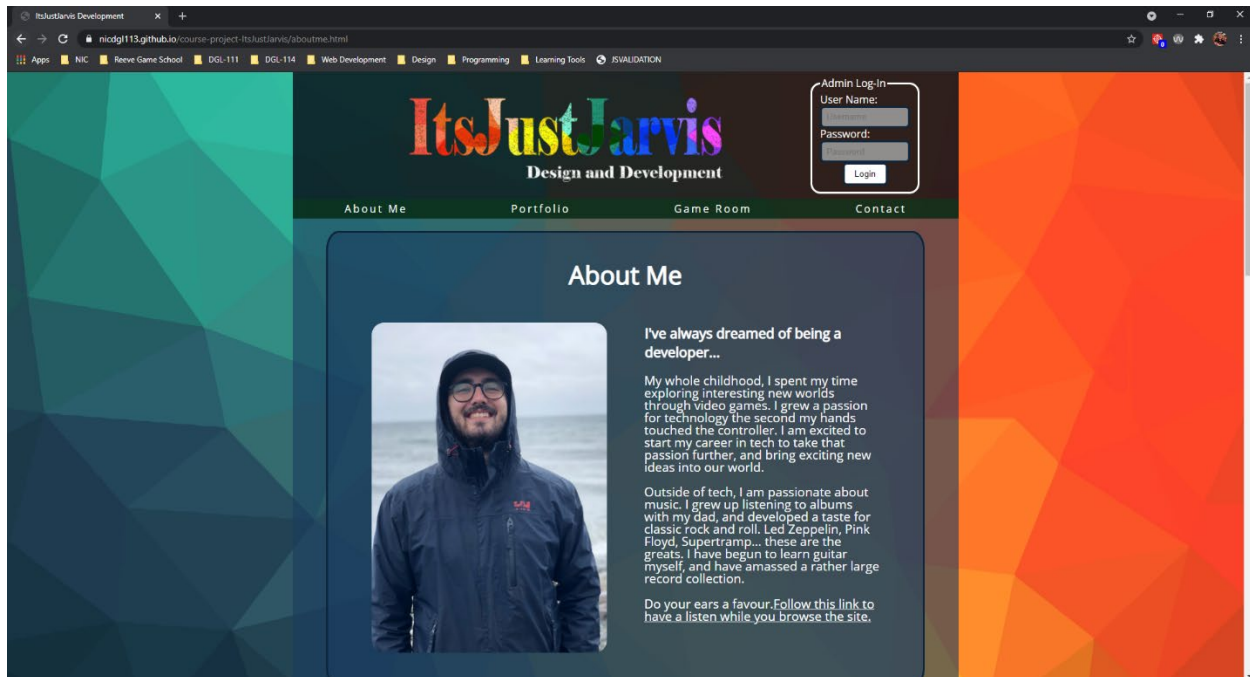


Firefox:

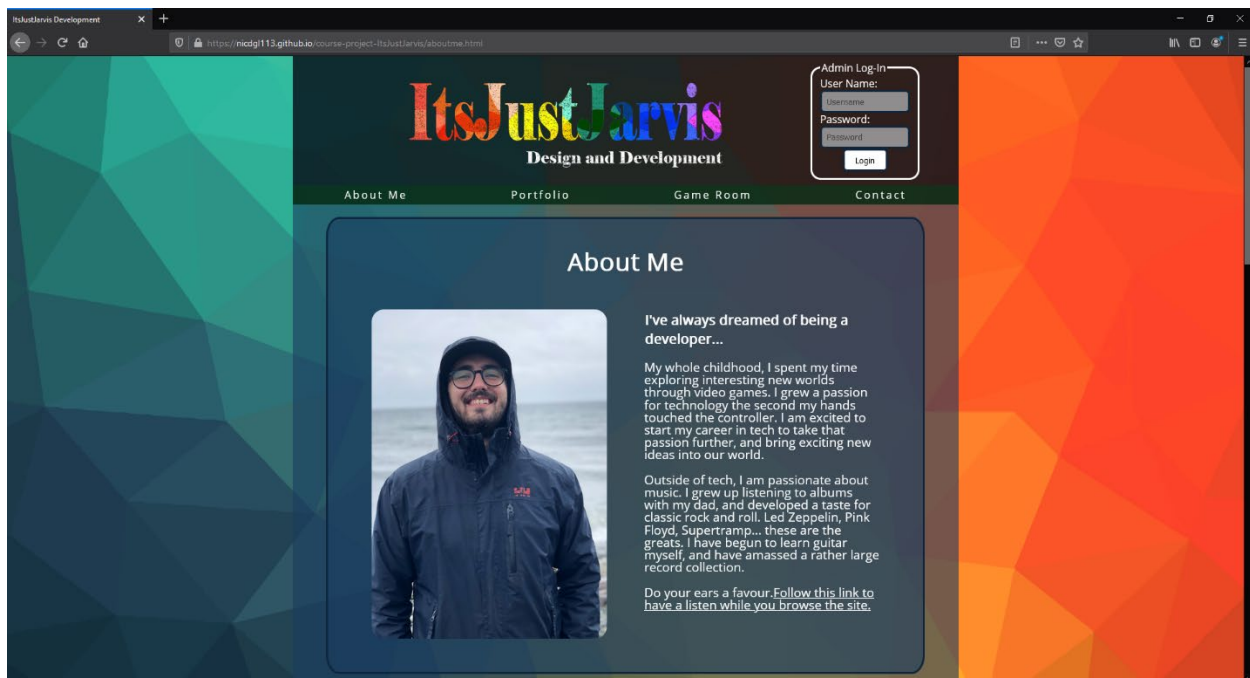


Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Chrome:

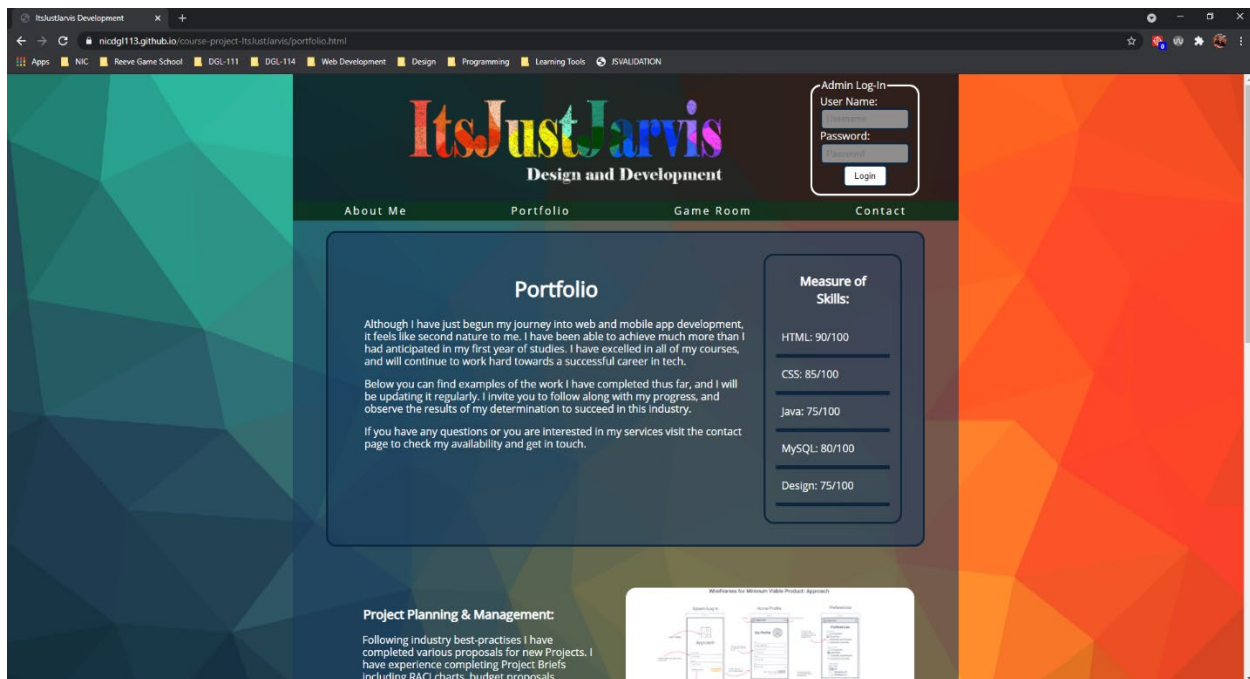


Firefox:

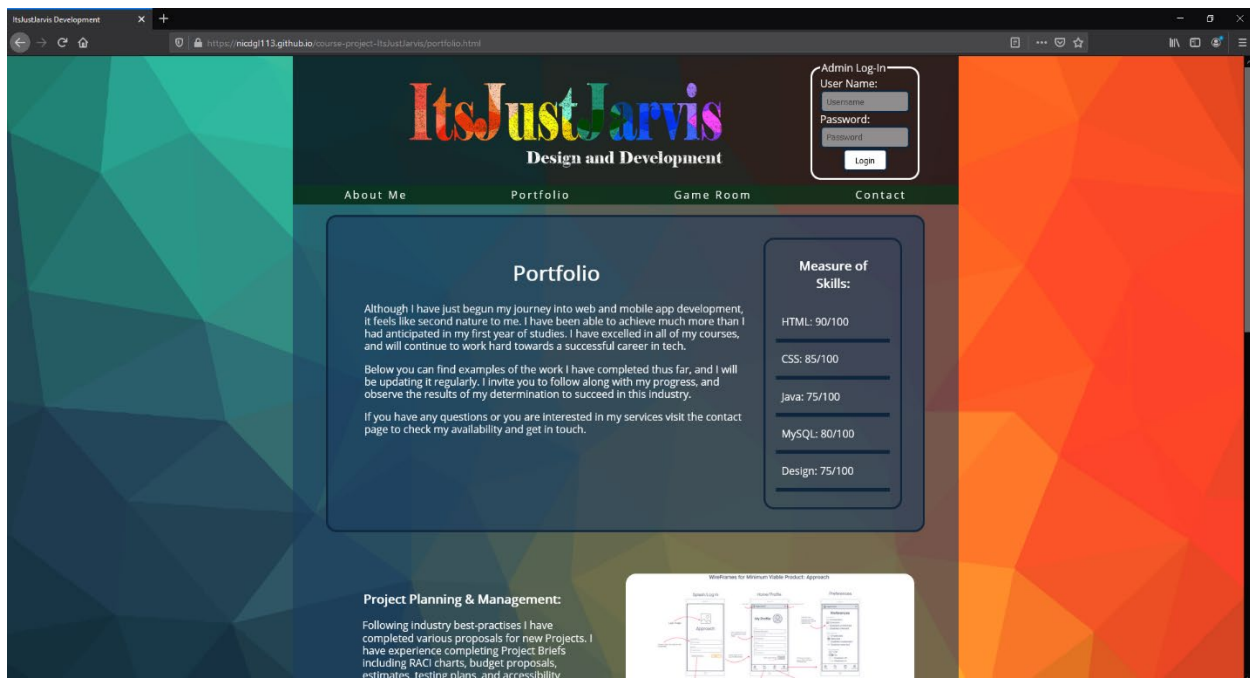


Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Chrome:

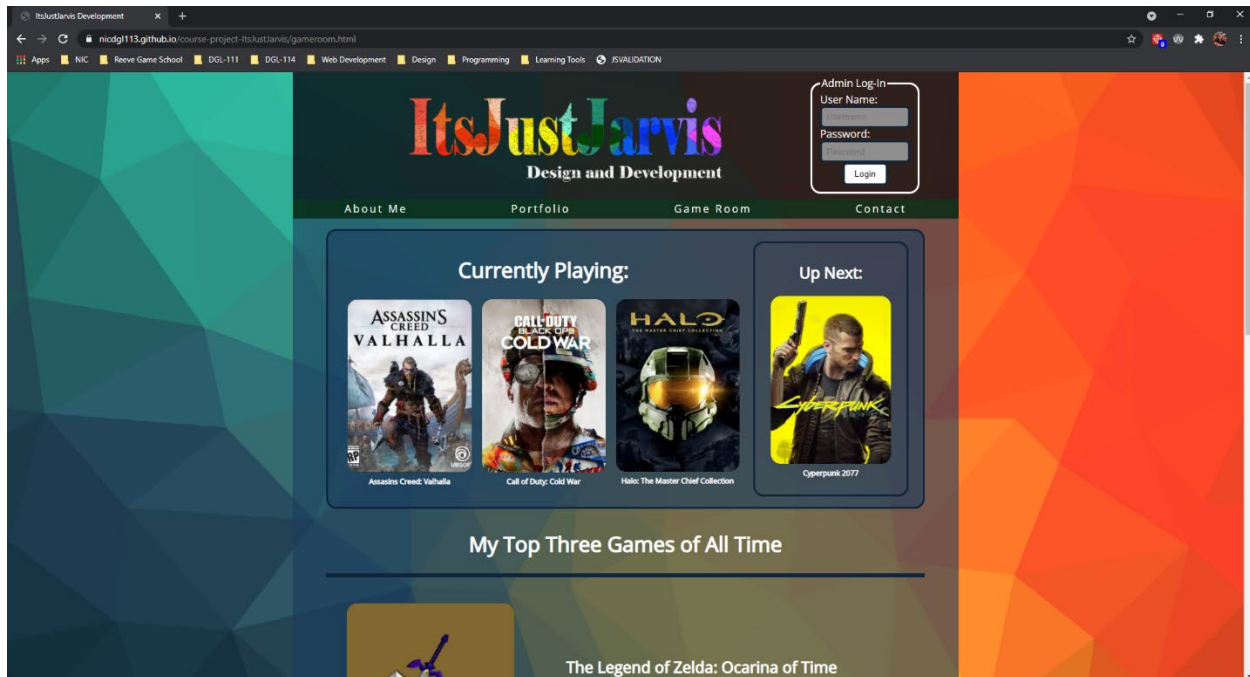


Firefox:

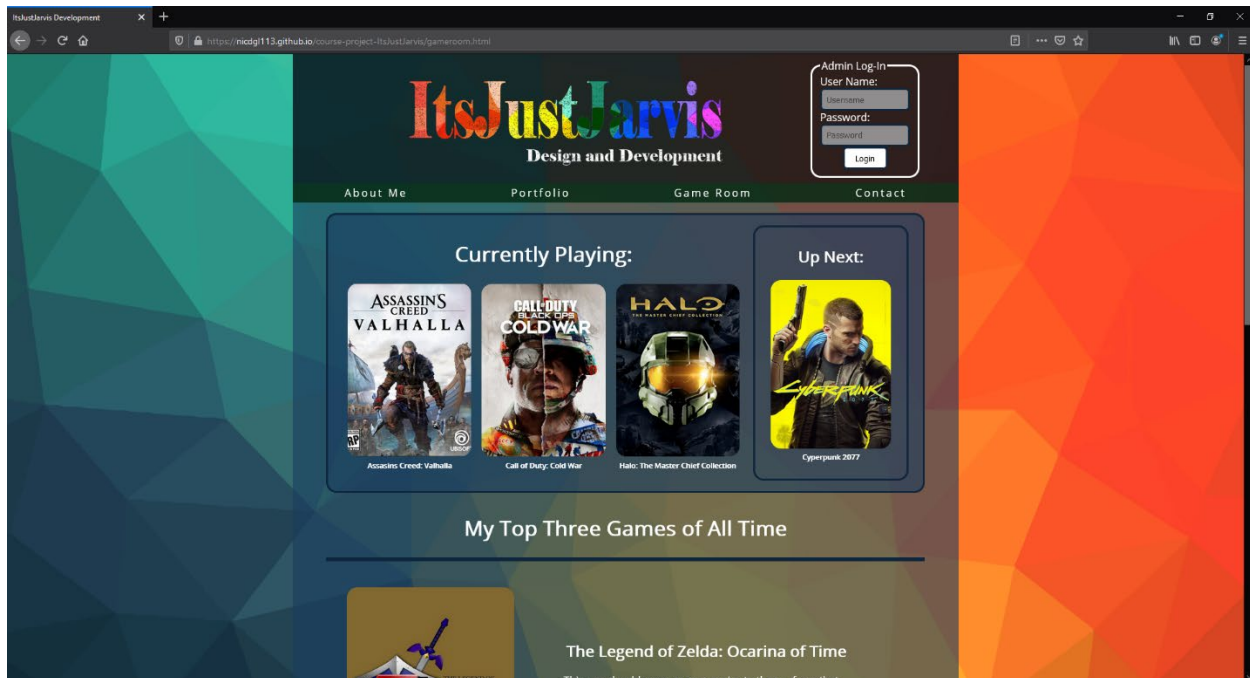


Site URL: <https://nicdg113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Chrome:

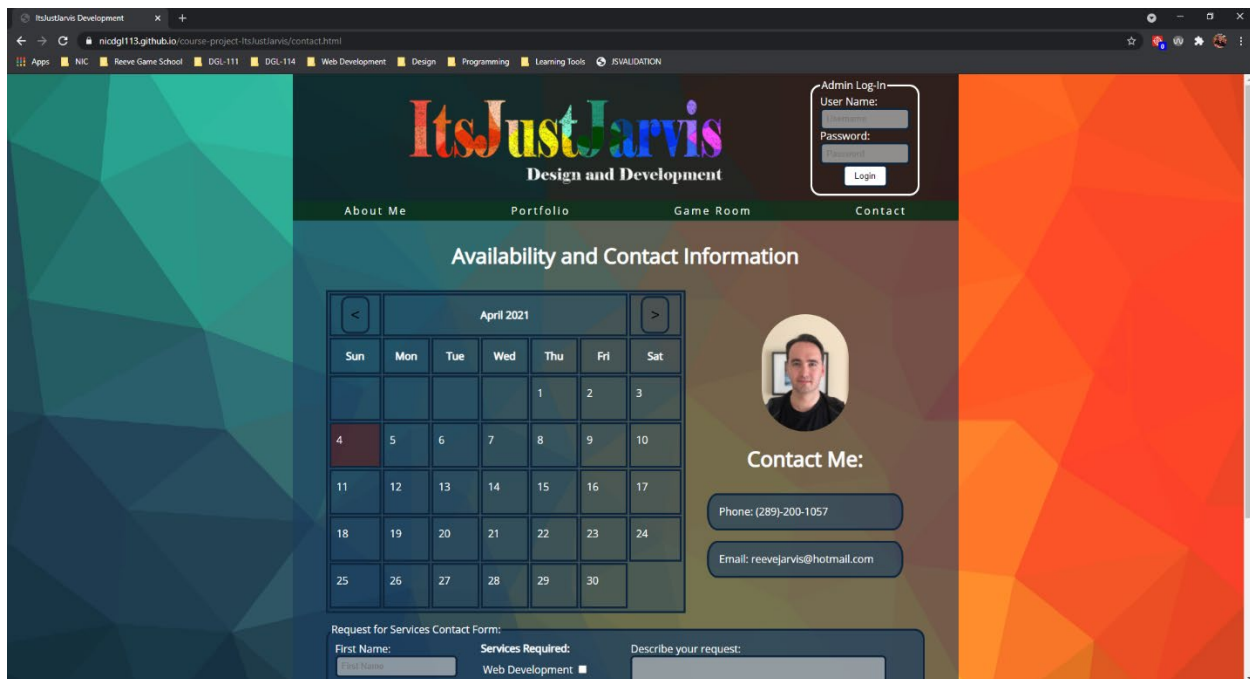


Firefox:

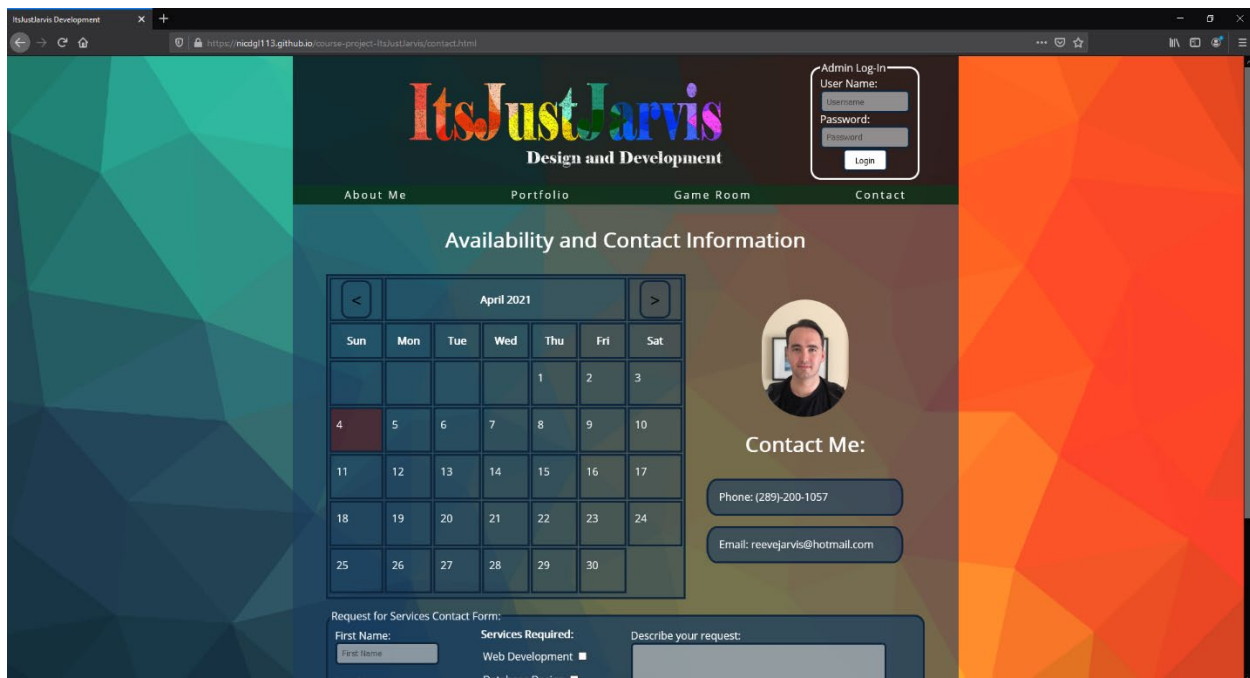


Site URL: <https://nicdg113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Chrome:

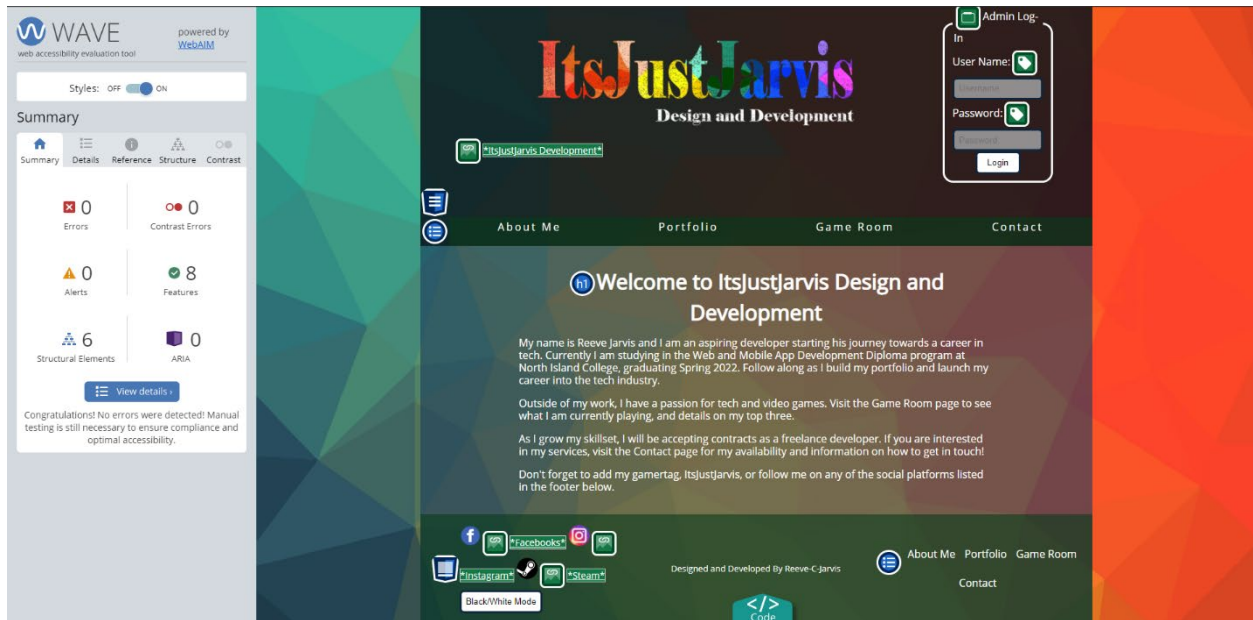


Firefox:

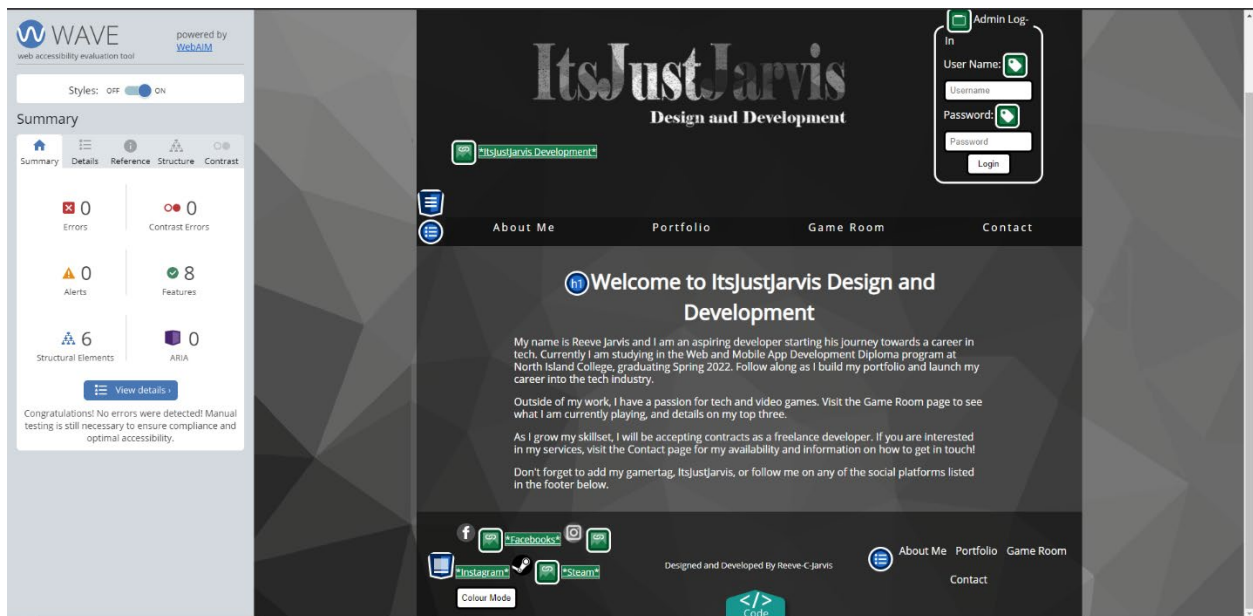


Site URL: <https://nicdg113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

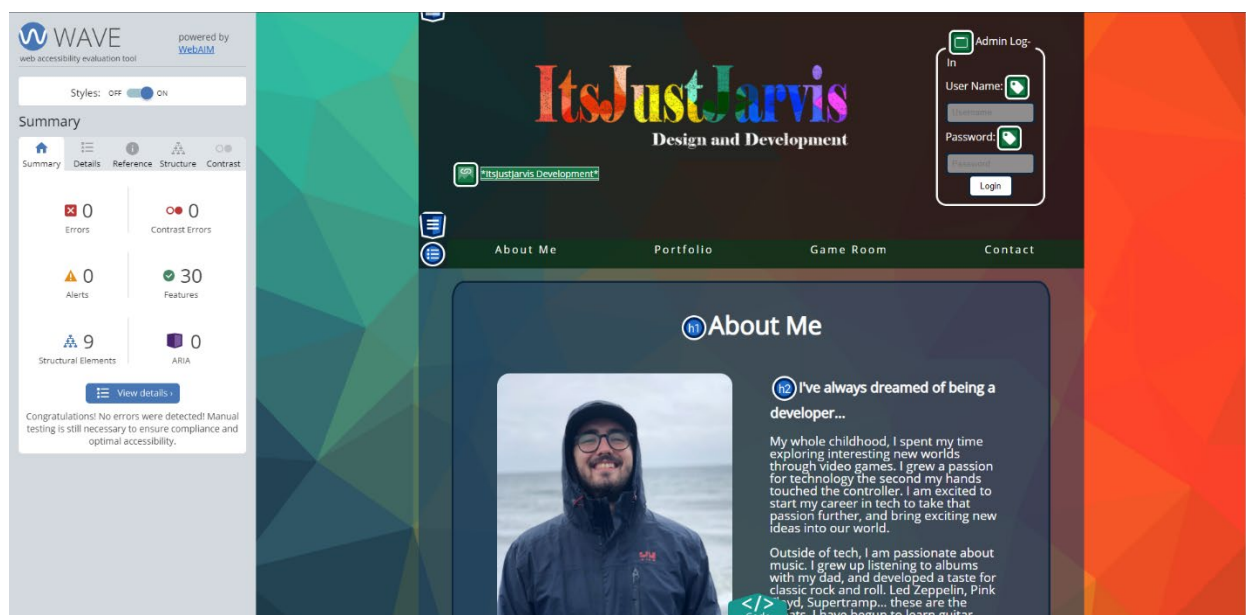
Colour:



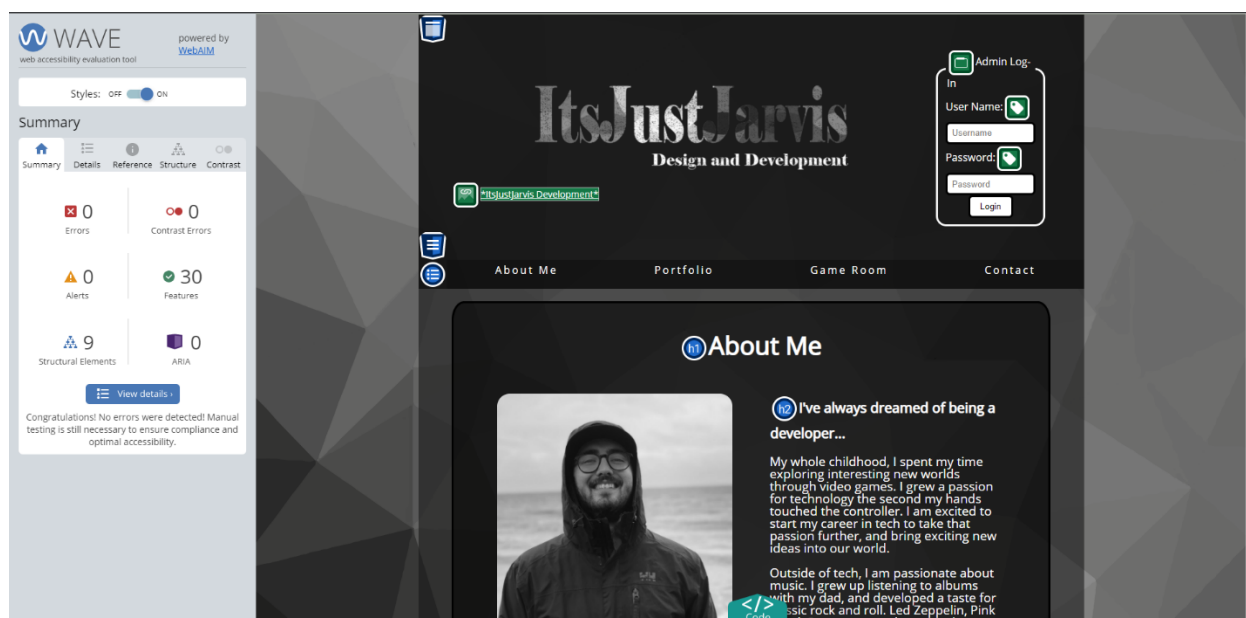
Black/White:



Colour:

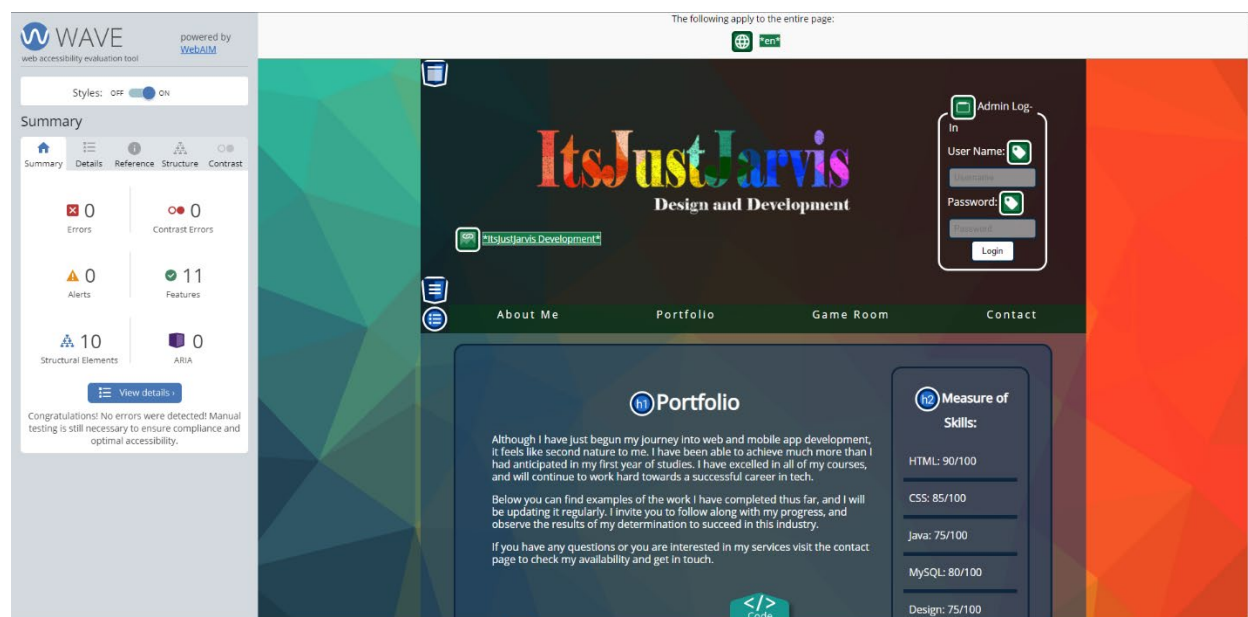


Black/White:

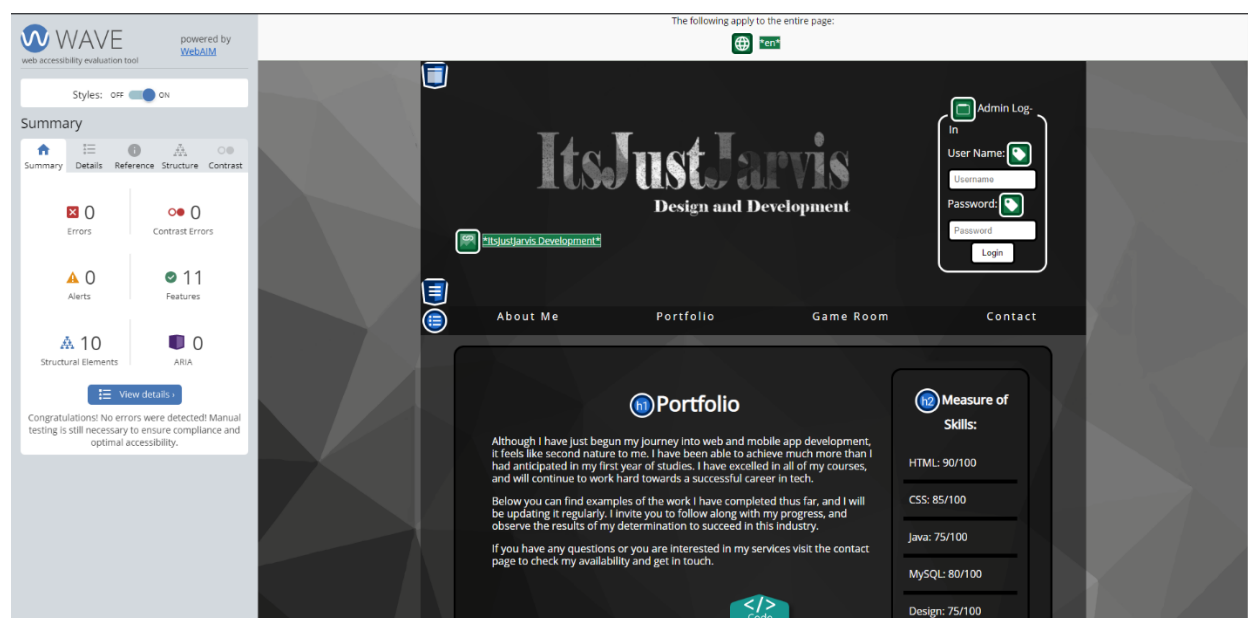


Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Colour:

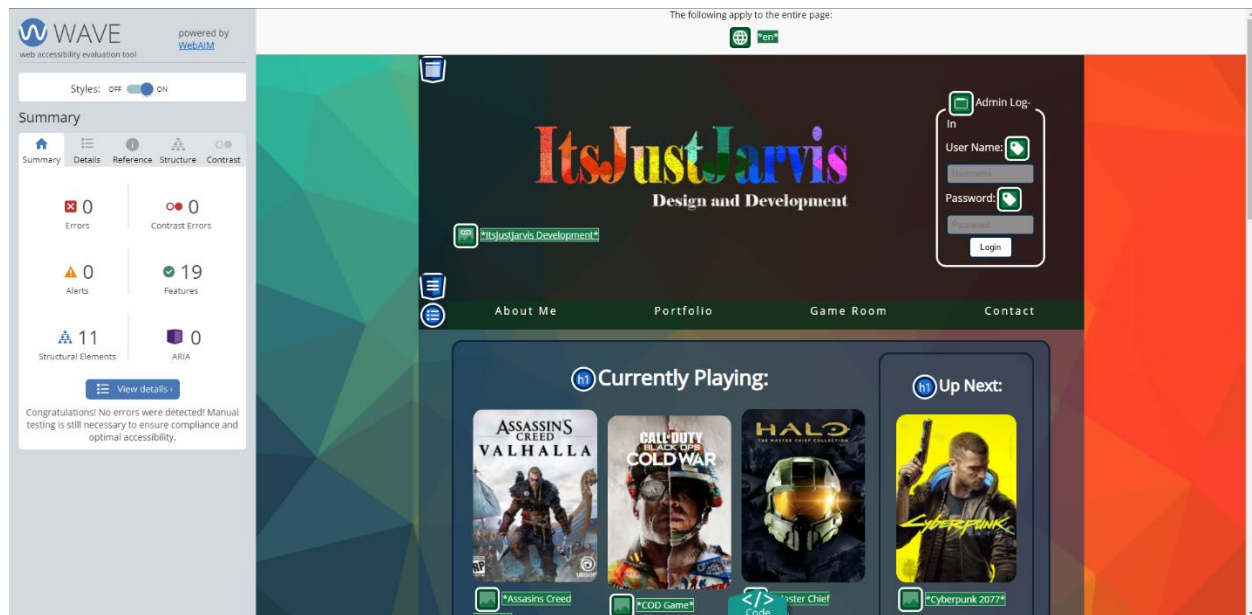


Black/White:

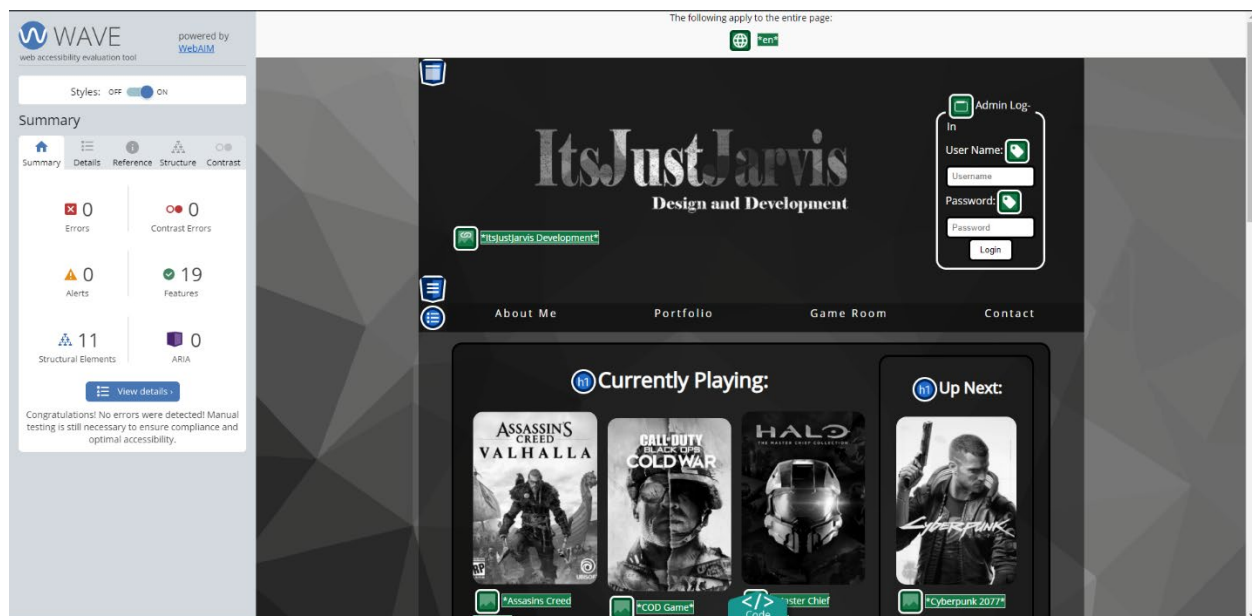


Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Colour:

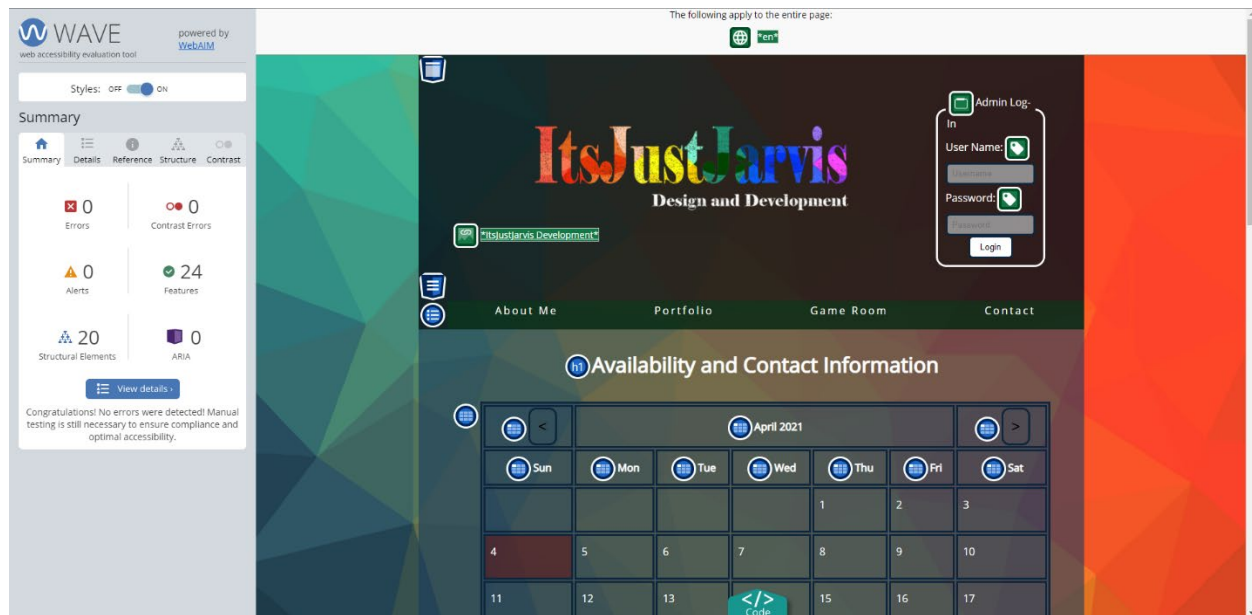


Black/White:

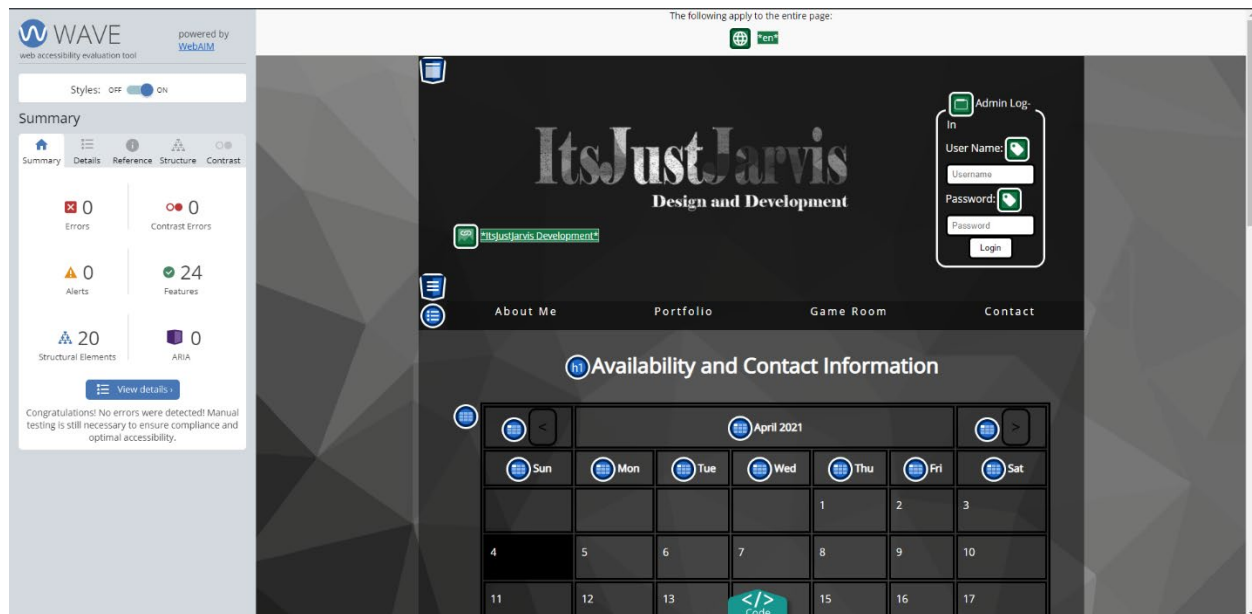


Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Colour:



Black/White:



Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Section 5: Validation

Home HTML:

4/4/2021 Showing results for <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html> - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Checker Input

SHOW ☐ source ☐ outline ☐ image report [Options...](#)

Check by address ▾

<https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

[Check](#)

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.
Total execution time 81 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 21.4.2

<https://validator.w3.org/nw/?doc=https%3A%2F%2Fnicdgl113.github.io%2Fcourse-project-ItsJustJarvis%2FItsJustJarvis.html>

1/1

Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Home after JS:

4/4/2021

Showing results for contents of text-input area - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image spot Options...

Check by textinput

Enter the URL for an HTML, CSS, or SVG document

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```

1. <!DOCTYPE html>+
2. <html lang="en">+head+
3.   <!--+
4.     Page:      Landing Page+
5.     Purpose:   Introduction to my website, and my "business".+
6.     Author:    Reeve C. Jarvis+
7.     Last Update: 04-04-2021+
8.   -->+
9.   <meta charset="UTF-8">+
10.  <meta name="viewport" content="width=device-width, initial-scale=1.0">+
11.  <meta name="description" content="ItsJustJarvis Design and Development - Owned and Operated by Reeve-C-Jarvis. Personal,
    attentive service for your business needs.">+
12.  <meta name="keywords" content="ItsJustJarvis, Design, Development, HTML, CSS, Java, Database, Freelance, Developer">+
13.  <title>ItsJustJarvis Development</title>+
14.  <link rel="stylesheet" href="css_base.css">+
15.  <link rel="stylesheet" href="css_layout.css">+
16.  <link rel="stylesheet" href="css_animations.css">+
17.  <link rel="stylesheet" href="css_colourStyles.css">+
18.  <link rel="stylesheet" href="css_blackAndWhiteStyles.css">+
19.  <link rel="preconnect" href="https://fonts.gstatic.com">+
20.  <link href="https://fonts.googleapis.com/css2?family=Open+Sans&display=swap" rel="stylesheet">+
21. </head>+
22. <body>+
23.   <header>+
24.     <div id="header">+
25.       <div id="headerLogo">+
26.         <a href="ItsJustJarvis.html"></a>+
27.       </div>+
28.       <div id="adminForm">+
29.         <div class="adminOnly" style="display: none;">+
30.           <p>logged in As Admin</p>+
31.           <input type="submit" name="Logout" id="logOut" value="Log Out">+
32.         </div>+
33.         <form id="adminLogin">+
34.           <fieldset id="loginDetails">+
35.             <legend>Admin Log-In</legend>+
36.             <label form="username">User Name:</label>+
37.             <input type="text" name="username" id="username" placeholder="Username">+
38.             <label form="password">Password:</label>+
39.             <input type="password" name="password" id="password" placeholder="Password">+
40.             <input type="submit" value="Login" id="submitLogin">+
41.           </fieldset>+
42.         </form>+
43.       </div>+
44.     </div>+
45.     <nav id="tabs">+
46.       <ul>+
47.         <li><a href="aboutme.html">About Me</a></li>+
48.         <li><a href="portfolio.html">Portfolio</a></li>+
49.         <li><a href="gameRoom.html">Game Room</a></li>+
50.         <li><a href="contact.html">Contact</a></li>+
51.       </ul>+
52.     </nav>+
53.   </header>+
54.   <article id="welcome">+
55.     <h1 id="message">Welcome to ItsJustJarvis Design and Development</h1>+
56.     <p>+
57.       My name is Reeve Jarvis and I am an aspiring developer starting his
58.       journey towards a career in tech. Currently I am studying in the Web and+
59.       Mobile App Development Diploma program at North Island College,+
60.       graduating Spring 2022. Follow along as I build my portfolio and launch+
61.       my career into the tech industry.+
62.     </p>+
63.     <p>+
64.       Outside of my work, I have a passion for tech and video games. Visit the+
65.       Game Room page to see what I am currently playing, and details on my top+
66.       three.+
67.     </p>+

```

https://validator.w3.org/html

1/2

Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

About Me HTML:

4/4/2021 Showing results for https://nicdgl113.github.io/course-project-ltsJustJarvis/aboutme.html - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for https://nicdgl113.github.io/course-project-ltsJustJarvis/aboutme.html

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by address

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.
Total execution time 101 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 21.4.2

https://validator.w3.org/nu/?doc=https%3A%2F%2Fnicdgl113.github.io%2Fcourse-project-ltsJustJarvis%2Faboutme.html 1/1

About Me after JS:

4/4/2021

Showing results for contents of text-input area - NuHtml Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input:

Show ☒ source ☐ outline ☐ image report

Check by textinput ▼

Enter the URL for an HTML, CSS, or SVG document

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

Source

```

1. <!DOCTYPE html>+
2. <html lang="en"><head>+
3.   <!--+
4.     Page:      About Me Page+
5.     Purpose:   Introduction to who I am, and my partners in life.+
6.     Author:    Reeve C. Jarvis+
7.     Last Update: 04-04-2021+
8.   -->+
9.   <meta charset="UTF-8">+
10.  <meta name="viewport" content="width=device-width, initial-scale=1.0">+
11.  <meta name="description" content="ItsJustJarvis Design and Development - Owned and Operated by Reeve-C-Jarvis. Personal,
    attentive service for your business needs.">+
12.  <meta name="keywords" content="ItsJustJarvis, Design, Development, HTML, CSS, Java, Database, Freelance, Developer">+
13.  <title>ItsJustJarvis Development</title>+
14.  <link rel="stylesheet" href="css_base.css">+
15.  <link rel="stylesheet" href="css_layout.css">+
16.  <link rel="stylesheet" href="css_animations.css">+
17.  <link rel="stylesheet" href="css_colourStyles.css">+
18.  <link rel="stylesheet" href="css_blackAndWhiteStyles.css">+
19.  <link rel="preconnect" href="https://fonts.gstatic.com">+
20.  <link href="https://fonts.googleapis.com/css2?family=Open+Sans&display=swap" rel="stylesheet">+
21. </head>+
22. <body>+
23.   <div id="header">+
24.     <div id="headerLogo">+
25.       <a href="ItsJustJarvis.html"></a>+
26.     </div>+
27.     <div id="adminForm">+
28.       <div class="adminOnly" style="display: none;">+
29.         <p>logged in As Admin</p>+
30.         <input type="submit" name="Logout" id="logOut" value="Log Out">+
31.       </div>+
32.       <form id="adminLogin">+
33.         <fieldset id="loginDetails">+
34.           <legend>Admin Log-In</legend>+
35.           <label for="userName">User Name:</label>+
36.           <input type="text" name="username" id="userName" placeholder="Username">+
37.           <label for="password">Password:</label>+
38.           <input type="password" name="password" id="password" placeholder="Password">+
39.           <input type="submit" value="Login" id="submitLogin">+
40.         </fieldset>+
41.       </form>+
42.     </div>+
43.   </div>+
44.   <nav id="tabs">+
45.     <ul>+
46.       <li><a href="aboutme.html">About Me</li>+
47.       <li><a href="portfolio.html">Portfolio</li>+
48.       <li><a href="gameroom.html">Game Room</li>+
49.       <li><a href="contact.html">Contact</li>+
50.     </ul>+
51.   </nav>+
52.   <div id="self">+
53.     <h2>About Me</h2>+
54.     <div id="selfPortrait">+
55.       +
56.     </div>+
57.     <article id="aboutme">+
58.       <h2>I've always dreamed of being a developer...</h2>+
59.       <p>+
60.         My whole childhood, I spent my time exploring interesting new worlds+
61.         through video games. I grew a passion for technology the second my+
62.         hands touched the controller. I am excited to start my career in tech+
63.         to take that passion further, and bring exciting new ideas into our+
64.         world.+
65.       </p>+
66.     </article>+
67.   </div>+

```

<https://validator.w3.org/nul>

1/3

Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Portfolio HTML:

4/4/2021 Showing results for https://nicdgl113.github.io/course-project-ltsJustJarvis/portfolio.html - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for https://nicdgl113.github.io/course-project-ltsJustJarvis/portfolio.html

Checker input

SHOW ☐ source ☐ outline ☐ image report

Check by address ▾

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was UTF-8.
Total execution time 93 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 21.4.2

https://validator.w3.org/nu/?doc=https%3A%2F%2Fnicdgl113.github.io%2Fcourse-project-ltsJustJarvis%2Fportfolio.html 1/1

Portfolio after JS:

4/4/2021

Showing results for contents of text-input area - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report

Check by textInput ▼

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```

1. <!DOCTYPE html>+
2. <html lang="en"><head>+
3.   <!--+
4.     Page:      Portfolio Page+
5.     Purpose:   Collection of my work, and indication of my skills as a developer.+
6.     Author:    Reeve C Jarvis+
7.     Last Update: 04-04-2021+
8.   -->+
9.   <meta charset="UTF-8">+
10.  <meta name="viewport" content="width=device-width, initial-scale=1.0">+
11.  <meta name="description" content="ItsJustJarvis Design and Development - Owned and Operated by Reeve-C-Jarvis. Personal,
    attentive service for your business needs.">+
12.  <meta name="keywords" content="ItsJustJarvis, Design, Development, HTML, CSS, Java, Database, Freelance, Developer">+
13.  <title>ItsJustJarvis Development</title>+
14.  <link rel="stylesheet" href="css_base.css">+
15.  <link rel="stylesheet" href="css_layout.css">+
16.  <link rel="stylesheet" href="css_animations.css">+
17.  <link rel="stylesheet" href="css_colourStyles.css">+
18.  <link rel="stylesheet" href="css_blackAndWhiteStyles.css">+
19.  <link rel="preconnect" href="https://fonts.gstatic.com">+
20.  <link href="https://fonts.googleapis.com/css2?family=Open+Sans&display=swap" rel="stylesheet">+
21. </head>+
22. <body>+
23.   <div id="header">+
24.     <div id="headerLogo">+
25.       <a href="ItsJustJarvis.html"></a>+
26.     </div>+
27.     <div id="adminForm">+
28.       <div class="adminOnly" style="display: none;">+
29.         <p>logged in As Admin</p>+
30.         <input type="submit" name="logout" id="logout" value="Log Out">+
31.       </div>+
32.       <form id="adminLogin">+
33.         <fieldset id="loginDetails">+
34.           <legend>Admin log-In</legend>+
35.           <label for="userName">User Name:</label>+
36.           <input type="text" name="username" id="userName" placeholder="Username">+
37.           <label for="password">Password:</label>+
38.           <input type="password" name="password" id="password" placeholder="Password">+
39.           <input type="submit" value="Login" id="submitLogin">+
40.         </fieldset>+
41.       </form>+
42.     </div>+
43.   </div>+
44.   <nav id="tabs">+
45.     <ul>+
46.       <li><a href="aboutme.html">About Me</a></li>+
47.       <li><a href="portfolio.html">Portfolio</a></li>+
48.       <li><a href="gameRoom.html">Game Room</a></li>+
49.       <li><a href="contact.html">Contact</a></li>+
50.     </ul>+
51.   </nav>+
52.   <div id="intro">+
53.     <div id="blurb">+
54.       <h1>Portfolio</h1>+
55.       <p>+
56.         Although I have just begun my journey into web and mobile app+
57.         development, it feels like second nature to me. I have been able to+
58.         achieve much more than I had anticipated in my first year of studies.+
59.         I have excelled in all of my courses, and will continue to work hard+
60.         towards a successful career in tech.+
61.       </p>+
62.       <p>+
63.         Below you can find examples of the work I have completed thus far, and+
64.         I will be updating it regularly. I invite you to follow along with my+
65.         progress, and observe the results of my determination to succeed in+
66.       </p>+
67.     </div>+

```

<https://validator.w3.org/>

1/3

Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Gameroom HTML:

4/4/2021

Showing results for <https://nicdg113.github.io/course-project-ItsJustJarvis/gameroom.html> - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for <https://nicdg113.github.io/course-project-ItsJustJarvis/gameroom.html>

Checker Input

Show ☐ source ☐ outline ☐ image report

Check by address

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 80 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 21.4.4

<https://validator.w3.org/nui/?doc=https%3A%2F%2Fnicdg113.github.io%2Fcourse-project-ItsJustJarvis%2Fgameroom.html>

1/1

Site URL: <https://nicdg113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Gameroom after JS:

4/4/2021 Showing results for contents of text-input area - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change.

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report Options...

Check by textinput ▼

Enter the URL for an HTML, CSS, or SVG document

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```

1. <!DOCTYPE html>+
2. <html lang="en">+head+
3.   <!--+
4.     Page:      Game Room Page+
5.     Purpose:   A personal page focussed on my passion for video games.+
6.     Author:    Reeve C. Jarvis+
7.     Last Update: 04-04-2021+
8.   -->+
9.   <meta charset="UTF-8">+
10.  <meta name="viewport" content="width=device-width, initial-scale=1.0">+
11.  <meta name="description" content="ItsJustJarvis Design and Development - Owned and Operated by Reeve-C-Jarvis. Personal,
    attentive service for your business needs.">+
12.  <meta name="keywords" content="ItsJustJarvis, Design, Development, HTML, CSS, Java, Database, Freelance, Developer">+
13.  <title>ItsJustJarvis Development</title>+
14.  <link rel="stylesheet" href="css_base.css">+
15.  <link rel="stylesheet" href="css_layout.css">+
16.  <link rel="stylesheet" href="css_animations.css">+
17.  <link rel="stylesheet" href="css_colourStyles.css">+
18.  <link rel="stylesheet" href="css_blackAndWhiteStyles.css">+
19.  <link rel="preconnect" href="https://fonts.gstatic.com">+
20.  <link href="https://fonts.googleapis.com/css2?family=Open+Sans&display=swap" rel="stylesheet">+
21. </head>+
22. <body>+
23.   <header>+
24.     <div id="header">+
25.       <div id="headerLogo">+
26.         <a href="ItsJustJarvis.html"></a>+
27.       </div>+
28.       <div id="adminForm">+
29.         <div class="adminOnly" style="display: none;">+
30.           <p>logged in As Admin</p>+
31.           <input type="submit" name="Logout" id="logOut" value="Log Out">+
32.         </div>+
33.         <form id="adminLogin">+
34.           <fieldset id="loginDetails">+
35.             <legend>Admin Log-In</legend>+
36.             <label for="userName">User Name:</label>+
37.             <input type="text" name="username" id="userName" placeholder="Username">+
38.             <label for="password">Password:</label>+
39.             <input type="password" name="password" id="password" placeholder="Password">+
40.             <input type="submit" value="Login" id="submitLogin">+
41.           </fieldset>+
42.         </form>+
43.       </div>+
44.     </div>+
45.     <nav id="tabs">+
46.       <ul>+
47.         <li><a href="aboutme.html">About Me</a></li>+
48.         <li><a href="portfolio.html">Portfolio</a></li>+
49.         <li><a href="gameroom.html">Game Room</a></li>+
50.         <li><a href="contact.html">Contact</a></li>+
51.       </ul>+
52.     </nav>+
53.   </header>+
54.   <section id="games">+
55.     <div id="current">+
56.       <div>Currently Playing:</div>+
57.       <figure class="playing">+
58.         +
59.         <figcaption>Assasins Creed: Valhalla</figcaption>+
60.       </figure>+
61.       <figure class="playing">+
62.         +
63.         <figcaption>Call of Duty: Gold War</figcaption>+
64.       </figure>+
65.       <figure class="playing">+
66.         +
67.         <figcaption>Halo: The Master Chief Collection</figcaption>+

```

<https://validator.w3.org/html>
1/3

Contact HTML:

4/4/2021 Showing results for https://nicdgl113.github.io/course-project-ltsJustJarvis/contact.html - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for https://nicdgl113.github.io/course-project-ltsJustJarvis/contact.html

Checker input

Show ☐ source ☐ outline ☐ image export

Check by address

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was UTF-8.
Total execution time 76 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 21.4.4

https://validator.w3.org/nu/?doc=https%3A%2F%2Fnicdgl113.github.io%2Fcourse-project-ltsJustJarvis%2Fcontact.html 1/1

Site URL: <https://nicdgl113.github.io/course-project-ltsJustJarvis/ltsJustJarvis.html>

Contact after JS:

4/4/2021

Showing results for contents of text-input area - Nu Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report

Check by textinput ▼

Enter the URL for an HTML, CSS, or SVG document

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```

1. <!DOCTYPE html>+
2. <html lang="en">+head+
3.   <!--+
4.     Page:      Contact Page+
5.     Purpose:   Current availability and Contact Information, including form for service requests.+
6.     Author:    Reeve C. Jarvis+
7.     Last Update: 04-04-2021+
8.   -->+
9.   <meta charset="UTF-8">+
10.  <meta name="viewport" content="width=device-width, initial-scale=1.0">+
11.  <meta name="description" content="ItsJustJarvis Design and Development - Owned and Operated by Reeve-C-Jarvis. Personal,
    attentive service for your business needs."+
12.  <meta name="keywords" content="ItsJustJarvis, Design, Development, HTML, CSS, Java, Database, Freelance, Developer">+
13.  <title>ItsJustJarvis Development</title>+
14.  <link rel="stylesheet" href="css_base.css">+
15.  <link rel="stylesheet" href="css_layout.css">+
16.  <link rel="stylesheet" href="css_animations.css">+
17.  <link rel="stylesheet" href="css_colourStyles.css">+
18.  <link rel="stylesheet" href="css_blackAndWhiteStyles.css">+
19.  <link rel="preconnect" href="https://fonts.gstatic.com">+
20.  <link href="https://fonts.googleapis.com/css2?family=Open+Sans&display=swap" rel="stylesheet">+
21. </head>+
22. <body>+
23.   <header>+
24.     <div id="header">+
25.       <div id="headerLogo">+
26.         <a href="ItsJustJarvis.html"></a>+
27.       </div>+
28.       <div id="adminForm">+
29.         <div class="adminOnly" style="display: none;">+
30.           <p>logged in As Admin</p>+
31.           <input type="submit" name="Logout" id="logOut" value="Log Out">+
32.         </div>+
33.         <form id="adminLogin">+
34.           <fieldset id="loginDetails">+
35.             <legend>Admin Log-In</legend>+
36.             <label form="userName">User Name:</label>+
37.             <input type="text" name="username" id="userName" placeholder="Username">+
38.             <label form="password">Password:</label>+
39.             <input type="password" name="password" id="password" placeholder="Password">+
40.             <input type="submit" value="Login" id="submitLogin">+
41.           </fieldset>+
42.         </form>+
43.       </div>+
44.     </div>+
45.     <nav id="tabs">+
46.       <ul>+
47.         <li><a href="aboutme.html">About Me</a></li>+
48.         <li><a href="portfolio.html">Portfolio</a></li>+
49.         <li><a href="gameroom.html">Game Room</a></li>+
50.         <li><a href="contact.html">Contact</a></li>+
51.       </ul>+
52.     </nav>+
53.   </header>+
54.   <section id="schedule">+
55.     <h3>Availability and Contact Information</h3>+
56.     <table id="calendar">+
57.       <thead>+
58.         <tr>+
59.           <th><button class="navigate" id="previousMonth">&lt;</button></th>+
60.           <th colspan="5"><div id="monthYear">April 2021</div></th>+
61.           <th><button class="navigate" id="nextMonth">&gt;</button></th>+
62.         </tr>+
63.         <tr class="weekdays">+
64.           <th>Sun</th>+
65.           <th>Mon</th>+
66.           <th>Tue</th>+
67.           <th>Wed</th>+

```

<https://validator.w3.org/>


1/3

Site URL: <https://nicdgl113.github.io/course-project-ItsJustJarvis/ItsJustJarvis.html>

Animations CSS:

4/4/2021

W3C CSS Validator results for css_animations.css (CSS level 3 + SVG)


The W3C CSS Validation Service
 W3C CSS Validator results for css_animations.css (CSS level 3 + SVG)


Jump to: [Validated CSS](#)

W3C CSS Validator results for css_animations.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#)!


To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



```

<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>

```




```

<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>

```

(close the img tag with > instead of /> if using HTML <= 4.01)


 The W3C validators rely on community support for hosting and development.
[Donate](#), and help us build better tools for a better web.

If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this server.

If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

```

http://jigsaw.w3.org/css-validator/validator$link
or
http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)

```

(Or, you can just add the current page to your bookmarks or history.)

[Valid CSS Information](#)

```

.modalImage, #caption {
  animation-name : popup;
  animation-duration : 1s;
}

.closeModal {
  transition : 0.5s;
}

@keyframes popup {
  from {
    transform : scale(0);
  }
  to {
    transform : scale(1);
  }
}


```

<https://jigsaw.w3.org/css-validator/validator>

1/2

Base CSS:

4/4/2021
W3C CSS Validator results for css_base.css (CSS level 3 + SVG)


The W3C CSS Validation Service
W3C CSS Validator results for css_base.css (CSS level 3 + SVG)


Jump to: [Warnings \(2\)](#) [Validated CSS](#)

W3C CSS Validator results for css_base.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#) !


To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



```

<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>

```




```

<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>

```

(close the img tag with > instead of /> if using HTML <= 4.01)



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If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

```

http://jigsaw.w3.org/css-validator/validator$link
or
http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)

```

(Or, you can just add the current page to your bookmarks or history.)

1 TOP

Warnings (2)

URI : **css_base.css**

60	<code>-webkit-box-sizing</code> is an unknown vendor extension
61	<code>-ms-box-sizing</code> is an unknown vendor extension

1 TOP

Valid CSS Information

```

article, aside, figcaption, figure, footer, header, main, nav, section {
  display: block;
}

address, article, aside, blockquote, body, cite, div, dl, dt, dd, em, figcaption, figure, footer, h1, h2, h3, h4, h5, h6, header, html, img, li,
main, nav, nav a, ol, p, section, span, ul {
  margin: 0;
  padding: 0;
  border: 0;
  font-size: 100%;
  vertical-align: baseline;
  background: transparent;
  box-sizing: border-box;
}


```

<https://jigsaw.w3.org/css-validator/validator>

1/2

Black and White CSS:

4/4/2021 W3C CSS Validator results for css_blackAndWhiteStyles.css (CSS level 3 + SVG)


The W3C CSS Validation Service
 W3C CSS Validator results for css_blackAndWhiteStyles.css (CSS level 3 + SVG)


Jump to: Validated CSS

W3C CSS Validator results for css_blackAndWhiteStyles.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as **CSS level 3 + SVG**!


To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



```

<img alt="Valid CSS!" data-bbox="191 328 245 345"/>
<img alt="Valid CSS!" data-bbox="191 328 245 345"/>

```




```

<img alt="Valid CSS!" data-bbox="191 405 245 422"/>
<img alt="Valid CSS!" data-bbox="191 405 245 422"/>

```

(close the img tag with > instead of /> if using HTML <= 4.01)



Interested in "developing" your developer skills? In W3C's hands-on Professional Certificate Program, learn how to code the right way by creating Web sites and apps that use the latest Web standards. [Find out more!](#)

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If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this server.

If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URL is:

```

http://jigsaw.w3.org/css-validator/validator$link
or
http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)

```

(Or, you can just add the current page to your bookmarks or hotlist.)

1 TOP

Valid CSS Information

```

html {
  background: url(btnPhotos/blackandwhitebackground.svg) center center / cover no-repeat fixed, black;
}

body {
  font-family: "Open Sans", sans-serif;
  color: white;
  background-color: rgb(24, 24, 24, 0.6);
}

header {
  background-color: rgb(0, 0, 0, 0.6);
}

footer {
  background-color: rgb(15, 15, 15, 0.6);
}


h1, h2, h3 {
  font-weight: bold;
}

```

https://jigsaw.w3.org/css-validator/validator 1/4

Colour CSS:

4/4/2021 W3C CSS Validator results for css_colourStyles.css (CSS level 3 + SVG)


The W3C CSS Validation Service
W3C CSS Validator results for css_colourStyles.css (CSS level 3 + SVG)


Jump to: Validated CSS

W3C CSS Validator results for css_colourStyles.css (CSS level 3 + SVG)


Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#) !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:




```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referrer">
    
  </a>
</p>
```



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referrer">
    
  </a>
</p>
```

(close the img tag with > instead of /> if using HTML <= 4.01)



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If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

```
http://jigsaw.w3.org/css-validator/validator$link
or
http://jigsaw.w3.org/css-validator/check/referrer (for HTML/XML document only)
```

(Or, you can just add the current page to your bookmarks or history.)

1/4

Valid CSS Information

```
html {
  background : url(photos/colourbackground.svg) center center /cover no-repeat fixed, black;
}

body {
  font-family : "Open Sans", sans-serif;
  color : white;
  background-color : rgb(25, 68, 95, 0.6);
}

header {
  background-color : rgb(8, 8, 8, 0.6);
}

footer {
  background-color : rgb(8, 99, 27, 0.6);
}


h1, h2, h3 {
  font-weight : bold;
  text-align : center;
  line-height : normal;
}
```

https://jigsaw.w3.org/css-validator/validator

1/4

Layout CSS:

4/4/2021 W3C CSS Validator results for css_layout.css (CSS level 3 + SVG)


The W3C CSS Validation Service
 W3C CSS Validator results for css_layout.css (CSS level 3 + SVG)


Jump to: Validated CSS

W3C CSS Validator results for css_layout.css (CSS level 3 + SVG)


Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#)!

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:




```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>
```



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>
```

(close the img tag with > instead of /> if using HTML <= 4.01)



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If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this server.

If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

```
http://jigsaw.w3.org/css-validator/validator$link
or
http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)
```

(Or, you can just add the current page to your bookmarks or history.)

1 TOP

Valid CSS Information

```
html {
  height : 100%;
}

body {
  display : flex;
  flex-direction : column;
  min-height : 100%;
  min-width : 320px;
  max-width : 1024px;
  width : 100%;
  margin-left : auto;
  margin-right : auto;
}

header {
  width : 100%;
}

footer {
  display : flex;

```

https://jigsaw.w3.org/css-validator/validator 1/8

Summary and Feedback:

Summary and Suggestion

Course Code: DGL-113 Section: DLU1 Assn#: Project Student Name: Reeve Jarvis

It took me 15 including research/troubleshooting hour(s) to complete the assignment. I have learned and feel good about 90 % of the skills covered this week.

From the assignment work I learnt the following:

Finishing this project really helped solidify my understanding of JavaScript Implementation. I feel really good about my project, and only wish I had time to do more. I plan to continue work on it throughout the summer. I learned a lot about properly using Date objects, and implementing functionality into a website.

I found the following helpful for completing the assignment (textbook, lecture notes, video, online resources, etc.):

Textbook, lecture notes, Online videos, and plentiful resources on sites like Stack Overflow helped me to achieve the results I did. I love to troubleshoot and problem solve, and I am happy with the end result of my project.

The difficulties I encountered with this assignment:

I encountered a few main difficulties along the way, especially with implementing the Calendar. This was a very tricky process but I feel like the end results are so worth it.

Other comments and suggestions:

Wish life didn't get in the way and I was able to be more present this semester. Thanks for being an awesome instructor as always Frank.

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