

Course: Computer Science (International)

Module: Web Development

Lecturer: Jonathan McCarthy

Assignment Type: Website Project

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# Problem Description

This is a Pokemon theme website, more specifically it’s about the new games that were released the last November: Pokemon Sword & Shield. The website is designed to like young adults and any fan of the franchise. It is using the main colors of the new games, bluish and reddish.

On the home page you will find a description of the games, with both cover pics on each side. Then there is a grid with some images from the gameplay. Then you can find a section for the starters pokemons, every time you start a new Pokemon you have to choose your starter. Here you can see all the details about them. This page is using bootstrap for the grid.

On the second page, Galar.html, you can see the map for the game. Then there is a grid made with bootstrap with some sections from the map. If you click on them it will take you to the section of the city or the route you selected. Here you can see the pokemons you will find and some info about them, what type are they and what is the probability you will find them in that specific area. The background color of each type changes accordingly. Under the section you will see a button that takes you to the beginning of the map again.

On the third page, Gym Leader, you will find all the info related to the Leaders of the region. In the game you have to defeat this leaders in order to progress in the game, so here you can see what pokemons they will use, and how to defeat them. Here bootstrap what used again to accommodate the different elements in columns and rows, videos have been embedded of the gameplay against each leader.

On the fourth page, Poke Quiz, is where the javascript functionalities were added. First there is a pokemon and its evolutions, javascript is used here to change the image of the pokemon and the text when you click the buttons. Also some buttons appear and disappear accordingly to guide the user and let them know the options he has, he cant keep pressing the button for example. For this an if statement and arrays to store the images and text are used. In the second section there is a Javascript quiz, each button displays the question and the answer box to write an answer, these questions are related with the information of the pokemon above, so the user can check it if necessary. Once the user submit the answer, an alert is pop up to make sure that is the final answer and then the result is display.

On the last page, News & Form, you can check the latest news related to the games, for this a grid was created (not bootstrap) and styled with CSS, in the different elements of the grid an image is place with the info of the news, and if you click them it will take you to the embed page of the news. Further down, you will find the contact form, this form was styled in CSS, it offers several option for the user to write us a personal message and leave us their info, also what they favourite pokemons are, what game you have and how would you rate the website.

As mentioned earlier, this website is aimed at all players of Pokemon, it uses bright colors and a clear layout to make it easier to read, it tries to be attractive for young kids but also young adults who are still fan of the franchise and are looking for useful information, for example: in which route to find a specific pokemon.

The site solve problems like, how to defeat the gym leaders in the game, or where to find a specific pokemon.

# Research

The following website were the source of the research for this Pokemon website:

* <https://swordshield.pokemon.com/en-us/>
* <https://www.serebii.net/>
* <https://bulbapedia.bulbagarden.net/wiki/Main_Page>

The site layout is very similar to the ones in the pages above, with a header, a horizontal navigation bar and all the section below.

# Technology Selection and Site Architecture

The version of HTML used is HTML5 and for CSS is version 4. The images of the website are not using fix parameters so they can be resize with different browser sizes, also the text. This website is expected to be seen mostly on a desktop pc or a laptop, but you are still able to see in smaller screens.

# Development Plan

The site was created using HTML, CSS and Javascript. For the main structure bootsrapt have been used, there are several images and videos embedded.

The header was created in Figma, to make it more personal. The images were taken from several pokemons websites. On the second page, bootsrapt was used to display the table with the locations information, and to create the tables to display the pokemons and their stats.

On the third page bootstraps was used again to structure the different images and videos. On the four page Javascript was used to appear/disappear buttons, change images and change text info. Also CSS was used to style the border of the table with the pokemon info. More Javascript was used to create the mini quiz.

On the last page, a grid was used (not bootsratp), and also the form was typed in, later style with CSS.

In CSS, the body, main, and the nav bar were style to be reused in all five pages. Also the <hr> tag was styled to be used in all the pages. The code needed for a responsive design is also included in the CS.

Website at 200%:

![A screenshot of a cell phone

Description automatically generated]()

Website at 50%:

![A screenshot of a cell phone screen with text

Description automatically generated]()

The website was tested on <https://validator.w3.org/> for semantic errors, a few were found and corrected. For example, and ALT attribute was missing for some images. Also a div element was unclosed in all the pages, the validator also suggested to add the tag lang=”es”. It also says that the attribute weight=100% is not valid in the Iframe element, but without the video would not displa correctly on the website, so this advice was ignored.

# Appendix

Web Dev 1

Weekly Project Report – Week 8

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

* The theme for the web page have been identified.
* It will be a Pokemon Website.
* It will show info related to Pokemon games, comparisons and news.
* This is in concordance with the release of the new Pokemon Game for Nintendo Switch on November the 15th.
* A Lo-Fi of the page is being created.
* This website will include various colours, images and gif.
* It’s aim to attract a younger audience but also young adults with important news and information about the game and the console.

Web Dev 1

Weekly Project Report – Week 9

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

The idea for 3 pages has been completed.

The background colors have been chosen.

There is still more investigation needed to figure out how to put two images in a header between text.

Web Dev 1

Weekly Project Report – Week 10

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

Page 2 has been completed.

Starting to work on page 3, it will be about the gym leaders of the region.

Trying to figure out the structure of the layout using bootsrapt and how to make them align and centered.

Web Dev 1

Weekly Project Report – Week 11

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minute

Page 3 completed.

Starting on the page with the java functionalities.

I managed to make the buttons appeared and disappear. Although the idea was to reused the buttons to display 3 different pokemons I cant managed to do it. So just one pokemon evolutionary line will be displayed.

Web Dev 1

Weekly Project Report – Week 12

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes

Page 4 completed.

The final page will be used to implement grid manually, to not abuse of the bootstrap structure, and it will display some embedded news from the official game website.

Then a contact form will be created from scratch and styled in CSS. Using Javascript for its validation.