# **INTRODUCTION**

The following project is based on basic previous and new HTML, CSS, and JavaScript knowledge as part of a requirement for the subject number CSIS 1280, Fall 2022, Douglas College. This project aimed to put into practice all the concepts learned in class, as well as to improve our programming skills in the languages already mentioned to prepare ourselves for the professional world through our own merits and efforts

The main intention was to maintain a similar first impression of enthusiasm for the spectators for the console’s videogames for. The rest of the content is divided into 5 different pages, which are Introduction, Inbursa Aquarium, Video Games, Motivation and Chichen-Itza. Each page contains some common structures and styles. However, each page also contains different tags, content, and styles according to the unique characteristic.

# **WEBSITE LAYOUT**

For a better organization of the project, a CSS format file called "Common\_Structure.css" was created. This file oversaw storing those common attributes that will be shared throughout the pages created in the project. For example, background color black was initialized in this document so that any page that is linked to this file shares the same background color without having to repeat the code for each new page.The attributes shared in this file are the background color black, the format of the HTML bodies, of which the most prominent are a solid border of 2 pixels color black, a width of 97% with padding of 10 pixels in the menu bar. and an automatic margin. Here, the title format of each page (.essay\_Title) was also initialized with a large font, a light orange color, margin and text alignment.

As additional information, the same process was carried out for the text content (.essay\_Content), which has a wheat color, a justified text, long size, a font and its own margin. This process was repeated for the navigation menu bar format, each fig caption tag for citations, and the footer tags with its respective elements inside it (return, input, and author). As additional data, each page shares in the footer section an option for lightly changing the background style of the website by a JavaScript function.

# WEBSITE ORGANIZATION

## Index

The main initial logo displays an alert message when the user clicks on it the JavaScript file is run, and the rest of the body only stores a div container which has two fig caption tags to describe the reference of the image and the welcoming message respectively. The GIF format image displays itself in the whole window as first view located in the header of the HTML file. The welcoming message and the respective citation for the image are both displayed with white smoke color and located in an independent div tag of the HTML file.

Regarding the JavaScript file. In this page only displays two messages, being the first message: “Hello there, Welcome to my website”, and the second message displaying “I really hope you enjoy the content :D”. The mentioned messages are made by the method “alert”.

## Page #1: Introduction

The first page that is displayed in the project just after the index. This section is called "Introduction", which, as its name says, presents the topics that I have decided are going to be covered throughout the project. Additionally, a table was added showing the issues to be addressed by means of a table. What makes this table so peculiar is that it is designed and adapted in a grid format, as is the form in which the user can play on the values when expressing common tastes for video games.

The form that is presented after the table is also structured with a grid format, which helps to adapt itself the spacing and sizes of the content according to the size of the window. The form has only one fieldset tag and only one legend. However, numerous div tags were necessary to adapt the styles more easily for the user. The form has 3 sections. The first one to request the user's personal information, the second one to select their preferred video game console, and finally their preferred category or categories.

## Page #2: Inbursa Aquarium

The most outstanding feature of page number two is that it was created with the aim of simulating a mini gallery of images, which can open the links from which these images were taken in a new window. This gallery was successfully finished and coordinated thanks to the use of the grid layout. The images also have their own referential quote.

The first image on this page has its referential quote, however, unlike the gallery shown at the end, it does not have a direct link to another web page. All images share a display block style, a border radius of 20 pixels with a padding of 10 pixels and a beautiful light blue solid border. The gallery is made up of the same characteristics plus the grid format that has a grid-template-columns of 50% and 50%

## Page #3: Video Games

In this case, a table was used to describe the top 3 video games for the Xbox console at the time of the search on the Internet. However, this table has the peculiarity of having been created using the "colspan" and "rowspan" attributes also learned in class. The designs were adapted in such a way that the data was easily distinguishable thanks to the colors established in the respective CSS file. In this section I used a CSS property called "hover", which allows you to change the format of any content once the mouse pointer hovers over it.

The text that follows the table was assigned to the classes that we already know: "essay\_Title" and "essay\_Content". Additionally, an image whose format is assigned in the "page3\_IHe58049".css" file which was set to a width of 70% with automatic margin, a border-radius of 40 pixels, a 2-pixel border of white with a solid line and a height of 300 pixels. To finalize, the same footer that the rest of the pages share to each other as well as its CSS grid formatting.

## Page #4: Motivation

Below the first section of text, there is a new tag called "iframe", which allows the user to share YouTube videos (in this case) into HTML files without violating copyright statements. This process is obtained from any video on the official page by pressing the “share” button and selecting the "Embed" option. This will generate a link that will be copied directly to the HTML document and create a direct connection to said video followed by a second part of text content whose format is shared with the other paragraphs of the project as well as the footer content and the iframe tag citation.

The file "page4\_IHe58049.css" is mainly focused on the iframe tag, which was modified by adding a margin top of 20 pixels, a border radius of 40 pixels with a padding of 7 pixels and a measure of 95% width and 350 pixels of height. The JavaScript file only changes the color of the HTML background as the other pages.

## Page #5: Chichen-Itza

The title of the content of this page is titled Chichen-Itza. This page has as linked files "Common\_Structure.css", "page5\_IHe58049.css" and two JavaScript files, which are "color.js" and "changeImage.js". The JavaScript file "changeImage.js" is made up of two different functions: "function Change1()", which is responsible for storing and changing the image once the mouse cursor is over the original one thanks to the getElementById method. The second function in the file is "function Original1()", which takes care of returning to the initial/original image once the cursor moves away from the image.

These functions are called through the img tag belonging to the HTML file as "onmouseover" and "onmouseout" attributes learned in class. For its CSS content, it was only required to change the characteristics of the images on the page, which were background-size of 100% by 100% so that the entire image remains aligned to the size of the container, a border-radius of 20 pixels, 10-pixel padding, 400-pixel height by 80% width, and auto margin with a block display.

# HIGHLIGHT

The most complicated part and at the same time the one I feel most proud of is the page "page2\_IHe58049.html" which is the one that required the most dedication for its respective CSS format and the amount of research it required for its final presentation to the user. The title of this page is "Imbursa Aquarium", the same name that is reflected in the window menu of the entire project. One of the main goals I had when I started the web design class was to be able to create a personal gallery of images and forms dynamically with the best possible appearance

Thanks to the classes and some research I was able to create a small gallery of photographs of one of the places I liked the most in the world. In the case of programming, it was with the use of the CSS grid layout module with their respective appointments. This Grid Layout Module was so useful and enjoyable that I ended up applying it to all footers and the HTML "page1\_IHe58049.html" form as well to create coordinated spacing between elements. It is an achievement that despite not being applied at a very professionally advanced level compared to the nowadays web pages, makes me feel great satisfaction on a personal level, since this new skill will continue to growing with time and practice in a future.

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