

COSC2430-Web-Programming

Assignment 1

Static Website

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Introduction:

This is an online book store. The name of the website is “The Book Store”

The scope of this project is to create a static website (the front-end side) that follows all guidelines from the project requirementment. The purpose of this report is to further describe the project as well as showing implementation detail, conclusion and references.

Project Description:

The website has some basic features that you can expect from an online book store such as a navigation bar and system that allow users to easily explore different categories and a book detail page that contain information about the book such as book name, book detail, description, price as well as a button to add the book to your shopping cart.

There are also other features such as a contact page that allow users to communicate with the website owner and others such as "About Us," "Privacy Policy," "Terms" page.

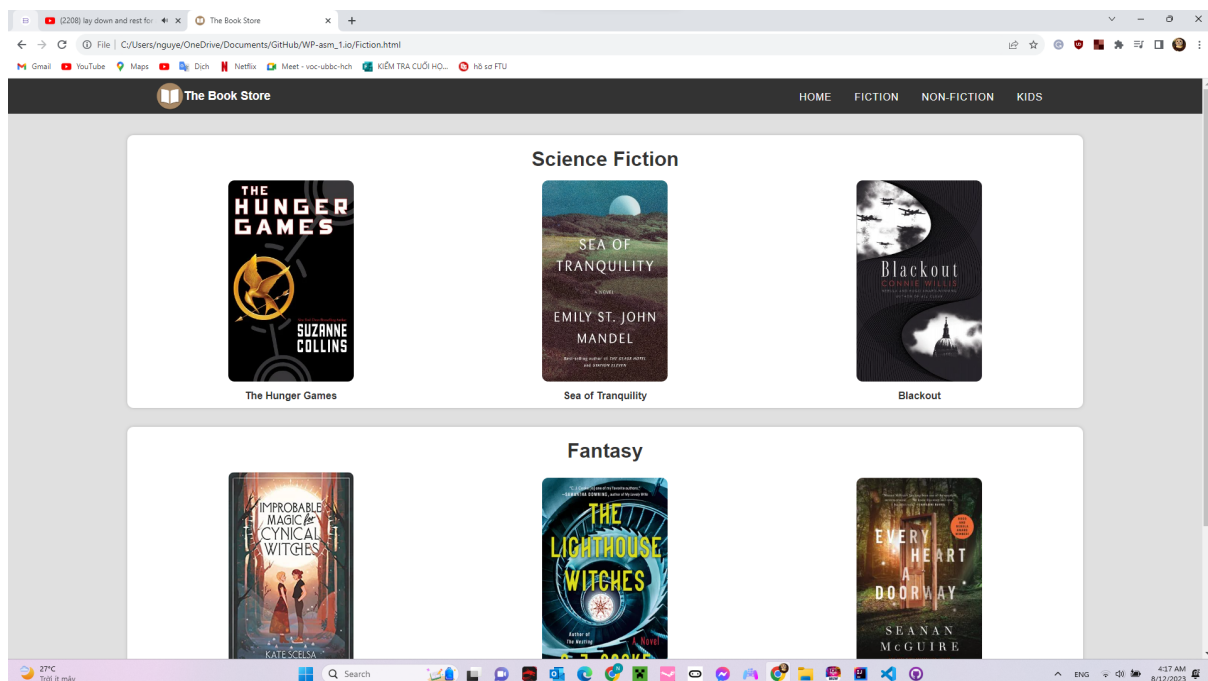
In my opinion, the making process has helped me hone a lot of my skills. For instance, I have finally learned how to use the built-in “Inspect” feature of Google Chrome effectively. It's undoubtedly one of if not the most important skill to master in order to effectively troubleshoot problems that occurred during the development of my website. This project has also allowed me to improve my css skill which I think I now mastered the css positioning(flex, inline-block,etc..). It is regrettable however that my website doesn't contain any animation since I wasted too much time until the last 2 weeks to start working on this project intensively however I did learn how to make transitions using css. The project has also taught me the importance of a tidy repository which helps a lot in reducing the time I need to find specific images or files.

One more very important thing is when unsure just ask your lecturer as from my experience the advice and clarifications that my tutorial lecturer gave me was very crucial in how I improved and fixed some layout errors on the last day.

Implementation Detail:

I personally don't think there is too much to talk about the layout choices since I was strictly following the guidelines. However there are other aspects about the design of this project that I think I can mention.

About the colour palette, I have chosen to use the most basic and well known colours that can bring the right contrast to a website black and white. However almost every developer and designer colours are much much more complicated than just black and white. During the development process I have repeatedly sent my website links to many of my acquaintances for feedback (sister, friends, even my girlfriend as well as my uncle who works in the industry itself) as I have been hosting the website from day 1. These feedbacks have proved to be immensely helpful as I can finally settle with the general colour themes of my website.

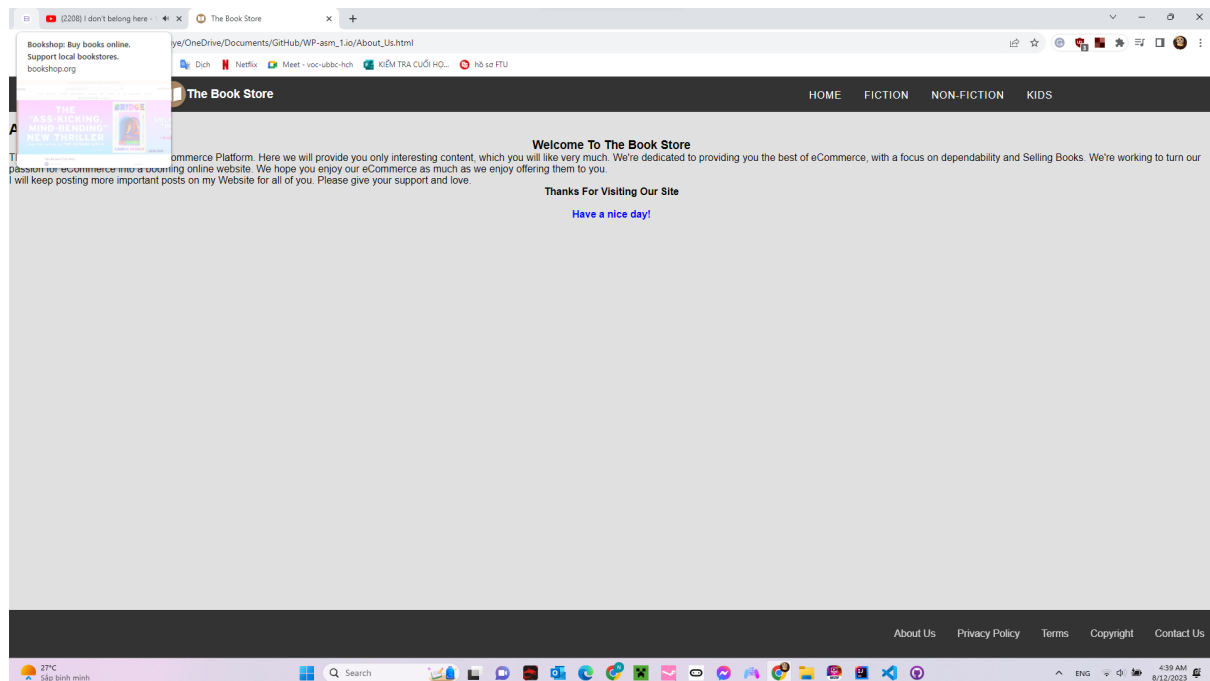


One of the noticeable features of my website is the navigation bar. I used the `<header>` tag as the main container. I also set the width of it to 100% so it always covers the whole top part of the page. Inside the main container I used the `<nav>` tag as the flex-container of all the main elements that are gonna be added inside the header (logo, website name and the navigation bar). This is where I added the fixed position property to create a sticky effect. To be honest the general idea is not mine,

but from an Indian youtuber like the saying that goes “You can't be good at computer science unless you can clearly hear the Indian accent”.

The category section that contains all the books is much more straightforward. As I only need to create one instance of it and copy paste it elsewhere inside the website. Again I used flex display to quickly set up the layout using the whiter part as you might see from the picture above as the flex-container.

This project has shown me how easy it is to use flex for css positioning and I also used to make the footer stick to the end of the page even if the content is not long enough as you might see from the picture below this.



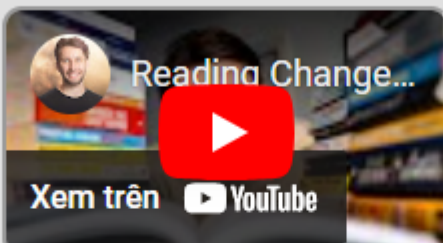
One more noticeable thing about the website is there are various hover effects in every single page(changing colour buttons, images that increase in size, etc..) that help enhance the user experience as shown in the picture below.



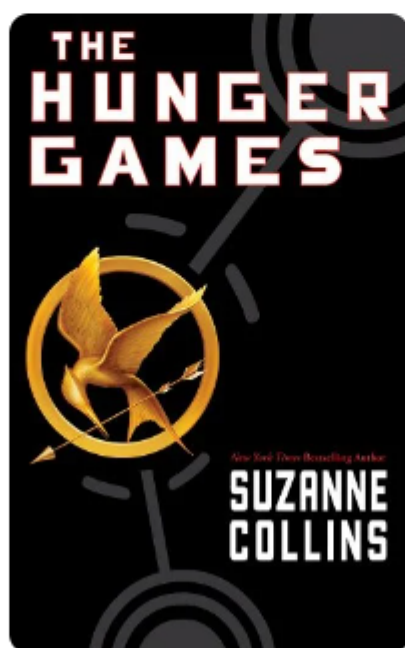
The website is very responsive even down to small screen devices such as the galaxy fold that only have a screen width of 280px. The responsive design is much more simple than I thought. I think of it as 2 separate css files that when reached a certain condition a different “file” will be used. I did encounter some difficulties during the making of the new navigation bar, however with the help of the internet I was able to achieve what I want as shown in 2 pictures below.



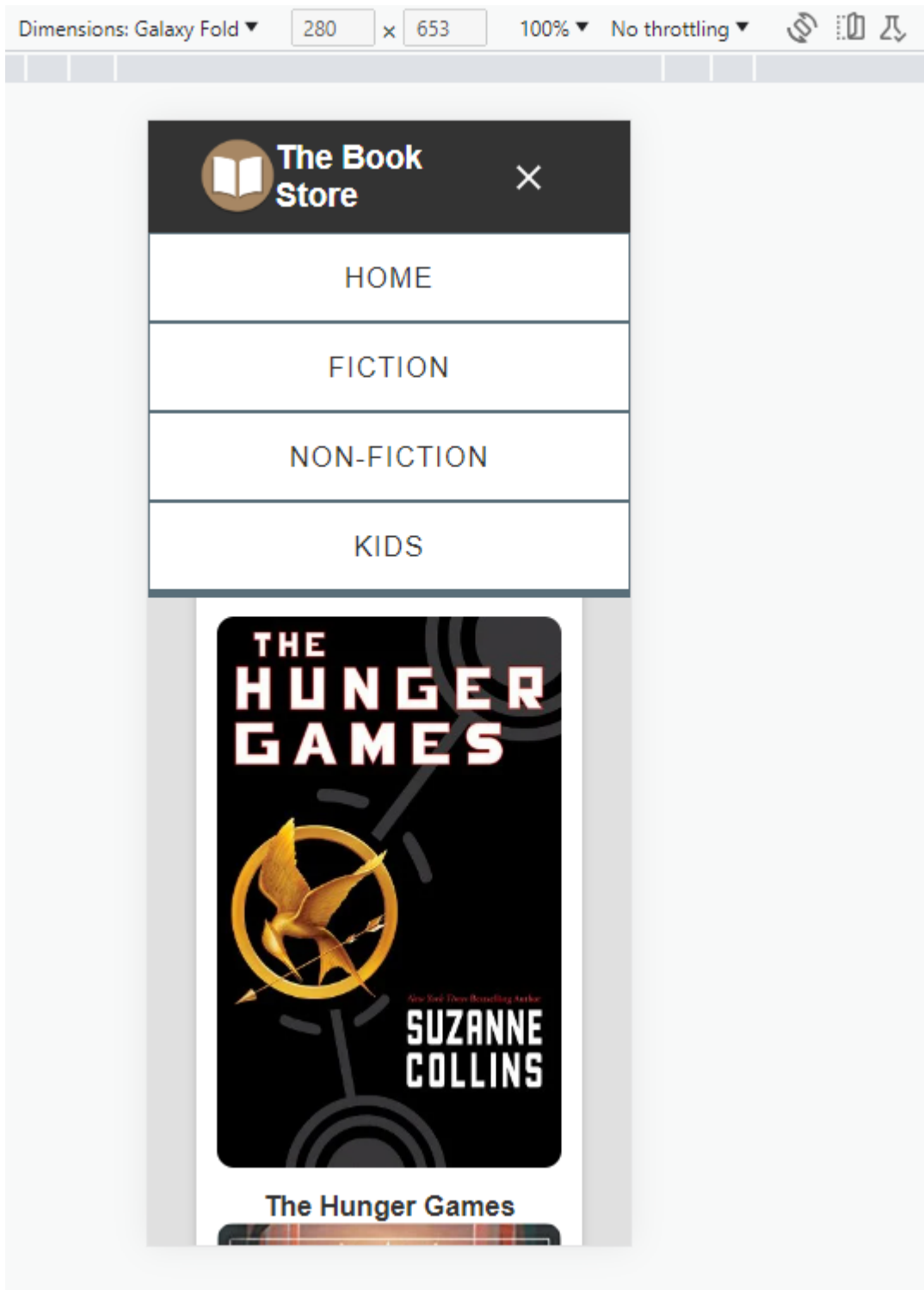
**The Book
Store**



Fiction

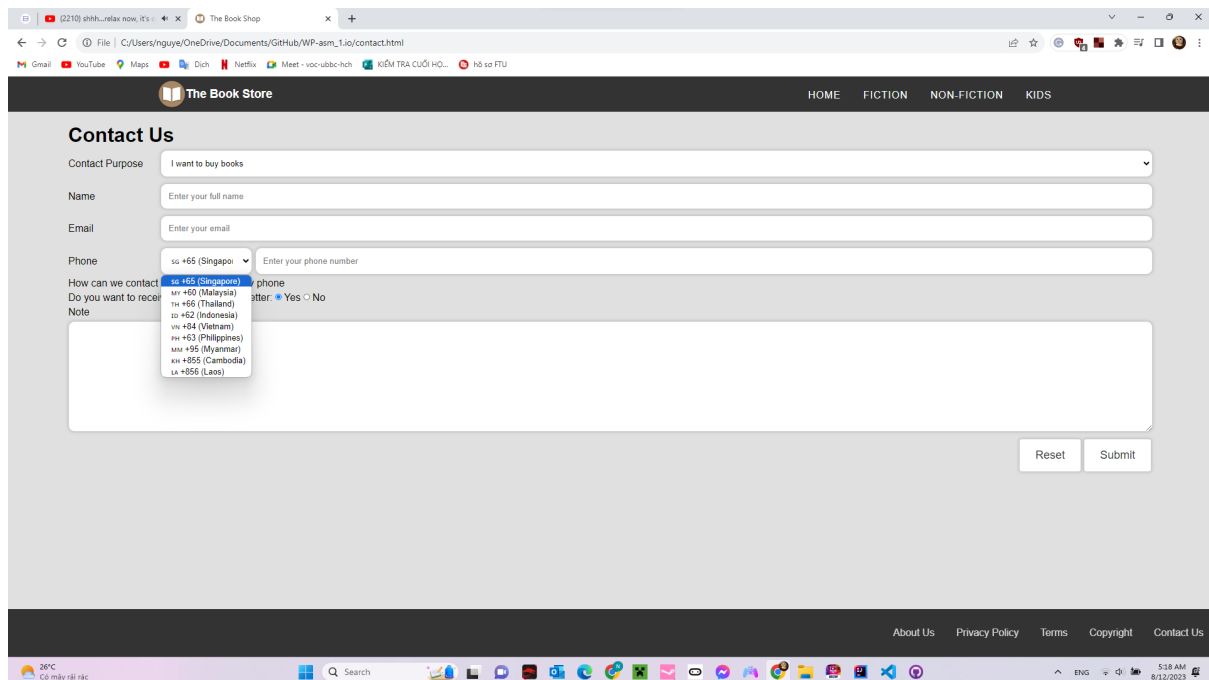


The Hunger Games



I think one of the most time consuming parts of the whole project is the polishing part. That is when I used real images, book names, and descriptions for different books on the website as you may find in the book detail page. This is also the part where I realised the importance of a well designed repository.

I also added the country code selector in the contact us page that works as you might expect as well as a character number limiter so no one can enter more than 10 numbers for phone numbers.

A screenshot of a web browser displaying a contact form for 'The Book Store'. The browser's address bar shows the URL 'C:/Users/nguye/OneDrive/Documents/GitHub/WP-asm_1.io/contact.html'. The website's navigation bar includes links for HOME, FICTION, NON-FICTION, and KIDS. The contact form itself has a title 'Contact Us' and a 'Contact Purpose' dropdown menu currently set to 'I want to buy books'. Below this are input fields for 'Name' (with placeholder 'Enter your full name'), 'Email' (with placeholder 'Enter your email'), and 'Phone' (with placeholder 'Enter your phone number'). The 'Phone' field has a dropdown menu for country codes that is open, showing a list of options including '+65 (Singapore)', '+60 (Malaysia)', '+66 (Thailand)', '+62 (Indonesia)', '+84 (Vietnam)', '+63 (Philippines)', '+95 (Myanmar)', '+855 (Cambodia)', and '+856 (Laos)'. There is also a 'How can we contact you?' section with a radio button for 'phone' selected, and a 'Do you want to receive our newsletter?' section with a 'Yes' radio button selected. A 'Note' text area is at the bottom of the form. 'Reset' and 'Submit' buttons are located at the bottom right of the form. The website's footer contains links for 'About Us', 'Privacy Policy', 'Terms', 'Copyright', and 'Contact Us'. The Windows taskbar at the bottom shows the date as 8/12/2023 and the time as 5:18 AM.

Conclusion:

I think the biggest problem with the website as to why it can't be better is because the maker is a procrastinator.

The list of things that can be improved include: better layout and other css for all the links inside the footer except for the contact us page, a real page that is used for only one sub category as I'm still using it as a reload page link only to prevent a dead link inside my website, add more animation to make the website more interactive, etc...

In the future, I think the project can become a template for my other projects as well as a place for me to hone my skill by further improving it.

Github link: https://github.com/Nguyen020903/WP-asm_1.io

Website link: https://nguyen020903.github.io/WP-asm_1.io/index.html

Youtube link: https://youtu.be/GGnmv_zrY8g

Reference:

blogearns.com for About Us content.

privacypolicies.com for Privacy Policy content.

termsandconditionsgenerator.com for Terms content.

disclaimergenerator.net for Copyright content.

Bookshop.org for book images and content.

Ebay.com for contact us page layout idea.

<https://colorhunt.co/> for colour code and selection.

<https://www.youtube.com/watch?v=dlyVTjJAKLw> for responsive navigation bar tutorial (hamburger)