

## **Commercial Book Store Report**

---

*Prof: Tom Huynh  
Name: Vu Loc  
Student Number : S3891483*

## Table of content

<b>Introduction</b>	<b>3</b>
Scope	3
<b>Project Description</b>	<b>4</b>
Input Design	5
Images Design	5
ChatGPT	5
<b>Implementation Details</b>	<b>6</b>
Hover Effect	6
Sub Category page	6
Contact Page (zoomed out to capture fully)	7
Sign in Page	7
Book Detail Pages (zoomed out to capture fully)	7
<b>Conclusion</b>	<b>8</b>

## Introduction

The commercial book store project will consist of several main categories of books including fiction, non-fiction, children's books, reference books, and textbooks, along with sub-categories. The home page will serve as the primary landing page of the website and provide an overview of the main categories on the website. The category section will display with a more detailed view of each sub-categories.

The objective of the project is to develop an online bookstore application that could potentially remove the effort to search for desired books to purchase at a store. The key feature of this project is the wide variety of categories, in-depth details with additional videos and purchasing options with book covers. The book store provides a user-friendly interface both for old and young ages with a professional and minimal aesthetic.

### Scope

1. Observe and understand detailed requirements and specifications given by the Professor.
2. Analyze the trending style and competition in the bookstore industry.
3. Requirements Analysis for list of functional and non-functional, features, and layout.
4. Design layout of the ideal application such as header, login page, book detail page, and contact page.
5. Design research and information obtained through W3school and youtube videos.
6. Develop the application and programming.
7. Perform application testing on Github and survey for reviews.

## Project Description

Key features	Technical details	Problems
Sign in	Customers can login with their account to continue shopping. Input form with email and password type for validation check. A background image was added for an additional layout theme.	I had a hard time figuring out how to properly display the background image on both local and Github. But after 100th tries, I finally realized that the path for background img was incorrect, the image path should be copied from Github.
Contact form	A fill-in-form allows users to send messages to the development team. Additional inputs were implemented such as dropdown items, radios, checkboxes.	Implemented inputs were studied from W3school website for additional information.
Search bar	Search bar allows users to find their wanted books. Users could input their book names inside the search bar form.	With only HTML and CSS, I am not sure on how to create a real search bar that could actually search for a certain book.
Responsive layout	The website project is valid for many screen sizes, with screens that are below 1000px wide, the navigator menu will change.	I had a lot of issues when aligning the layout of the bottom header for responsiveness. I believe the main problem was I took a shortcut on making a separate header for responsive layout.
Images hover effect	When mouse cursor hovering on an image, the effect will appear	I was only able to apply the transform effect, and not overlay due to time constraint. W3school also provides a lot of information and ideas to create well designed hover effects.

## Input Design

Careful attention was given to input design with <label> elements to support users with difficulty clicking on small places that could click on the text within the element; and validation checks to prevent users from entering incorrect or mistyped information, therefore if invalid information was entered, a pop-up error messages will appear to let users know that they mistyped or forgot to fill-out some of the inputs. With the requirement from the Professor for the input designs, I had to force myself to take more time to develop the feature properly, or else I would have taken a shortcut with just <input> and <optional> elements.

## Images Design

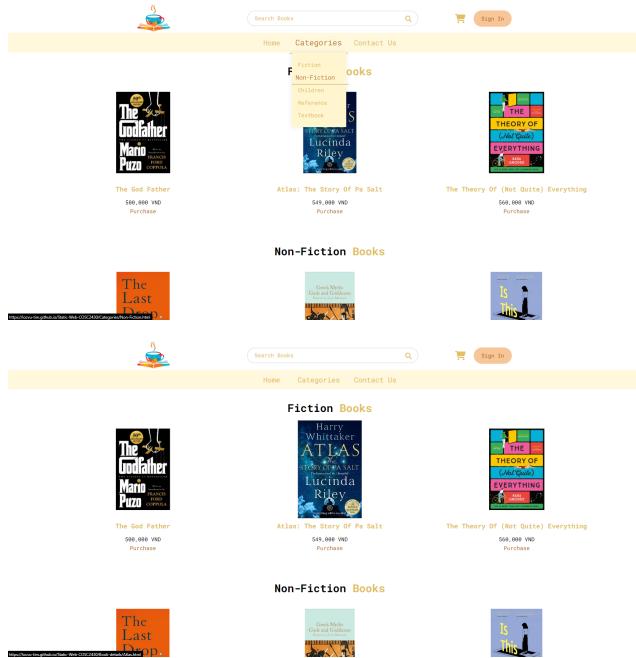
When designing the layout for the book images, hours and hours were spent researching and testing to properly display with no issue on both desktop sizes and mobile sizes. Personally, I was disappointed that I did not have enough time to implement the hover overlay effect for each book image to provide more aesthetic on the webpage. After all, I was happy with the result I have given out even though there are several features that could be added and organizing files codes would be better formatted.

## ChatGPT

At first, I thought ChatGPT would provide surprising support in building the platform and assist in researching additional features. However, for this online bookstore project, ChatGPT had helped with nothing but a single line of code to position the background center for responsive size screen; and despite the fact that ChatGPT provides incorrect information most of the time. All the research for this project was mostly observed from W3school and youtube videos, as referenced in the code files. I would not state I was disappointed in ChatGPT but I would say that A.I. would hardly replace humans anytime soon, as far as A.I. could go is to support and shorten the time spent for certain tasks.

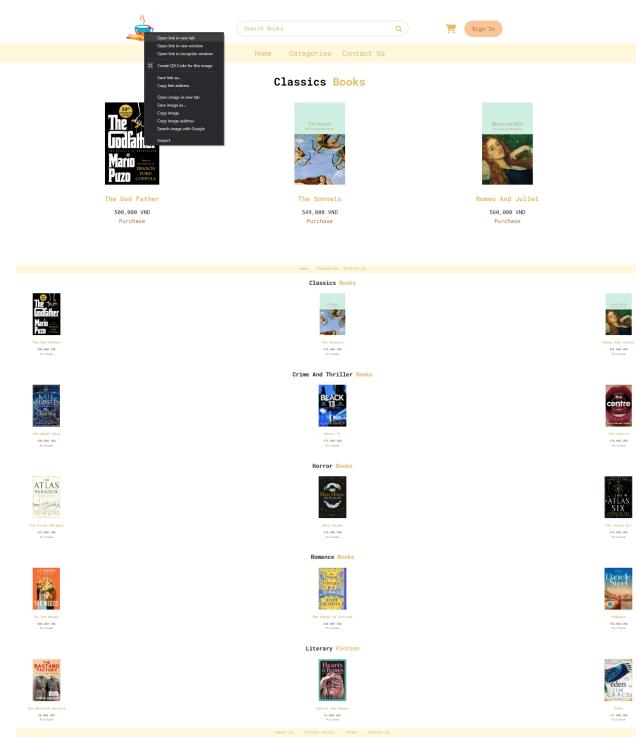
# Implementation Details

## Hover Effect



Hover effect when hovering over the “categories” to showcase the submenu, submenu links are also hoverable and are linked to different sub-categories pages. I understand that these effects are basic and better aesthetic features could be implemented. But I wanted this website to be eye-catching for everyone from younger ages to older ages, a nice clean look with not too much effects is viable. As I mentioned above, the image hover effect could definitely be better.

## Sub Category page



After navigating to different pages, users could return back to the main page by clicking on the logo.

In the sub category page, many books are displayed and all have the same hover effect feature.  
(zoomed out to capture fully)

## Contact Page (zoomed out to capture fully)

In the Contact page, implemented with fill-in forms with validation such as email and name, required users to provide inputs, labeled dropdown list, labeled checkboxes and radios, two buttons “submit” and “reset”.

## Sign in Page



I made the login page look more cozy and in the future implement a personal customization theme so that users could customize their webpage as needed. Users are required to provide their email and password, and an additional sign up link for new users.

## Book Detail Pages (zoomed out to capture fully)

As followed with the given instructions for the layout, I divided the page into two, half for book images and half for details. Below the details is a youtube video frame. The image side contains the main book picture and aside with smaller related book pictures. With the detail side, book title and price is listed, below that are dropdown for choosing book cover with two options hardback and softback, quantity input and “Add to Cart” button.

## Conclusion

In conclusion, I was happy that I could follow the layout I had built before starting on the actual project, allowing me to have a good idea of how the website first looked before coding. Even though this commercial online bookstore project is the very first website that I built on my own, I obtained and understood most of the research information which allowed me to create and learn side by side. The main drawback is the first week was a nightmare to me, having to both learn and understand while creating the website drained a lot of my energy and increased time-spent; the last week was speeding through and getting back to track on the timeline. In the future, if I could have some more time, a lot of cool new features I have seen on Tik Tok could help implement and improve the overall aesthetics of the website, as well as making the application into actual life with backend language.