RMIT Vietnam University

COSC2430_SEM1_SGS

Web Programming

Assessment Task 2
Static Website Report

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1. Introduction

Jimin Books is an online book store website designed to provide customers with a user-friendly platform to purchase a variety of fiction and nonfiction books. The website provides six different sub-categories within both the fiction and non-fiction genres, giving customers a diverse range of options to choose from. The purpose of this report is to provide a detailed description of the project, including its project description, implementation details, and future work.

The primary objective of the Jimin Books website is to offer customers the ability to conveniently explore and purchase various categories of books, accessible through a variety of devices such as smartphones and desktop computers. The website provides a range of features, including category page, contact page and a purchase page with multiple payment options.

This report will outline the technical details of the website's design and implementation, including the use of HTML and CSS. It will also describe the features that have been completed and any additional features that were implemented beyond the required features. Finally, the report will identify any known bugs or problems that were not resolved and future work to improve the website's functionality and user experience.

2. Project Description

Jimin Books allows users to browse through the books and view their covers, titles, prices, and authors. Upon selecting a book, users can view more detailed information about the book, including detailed images and descriptions. Users can also access the purchase page, where they can choose their preferred payment method, such as credit card, Bitcoin, or PayPal.

The Jimin Books website is built with a focus on delivering a seamless user experience for customers. A key feature of the website is its responsive design, which adapts to various screen sizes, such as smartphones and desktops. This ensures that customers can access and explore the website's content efficiently, with a navigation area that is optimally arranged through the hamburger navigation bar in the header and footer. Additionally, the website incorporates a breadcrumb feature that guides users through the pages.

The website contains various linked elements, such as logos, photos, text, and buttons, enabling users to access different sections of the website with ease. Moreover, essential information such as About Us, Privacy Policy, Terms, and Copyright placed on the footer are accessible.

Jimin Books website is focused to increase intuitiveness. Clicking on the logo will take the user back to the homepage. Moreover, clicking on the book image will redirect users to its individual detail page. With 18 books in total, each book has a unique detail page.

Visual effects have also been used to enhance the user experience. The website utilizes various fonts, and text changes colour and increases its font size during hovering, which provides an interactive feel. The website also uses an iframe Box to embed YouTube videos and Google Maps. On the book detail page, animation has been used to create a visual effect whereby hovering over the detailed image of the book causes the image to grow. Overall, these features have been designed to enhance the website's usability and aesthetics, ensuring a pleasant browsing and shopping experience for customers.

To implement these features, I utilized technologies and tools, including HTML, CSS, Visual Studio code, GitHub, Google Chrome.

3. Implementation Details

3.1 Colour determination process

In designing the website for Jimin Books, I carefully considered the use of colour to create a visually appealing and user-friendly experience. With books often associated with relaxation and a peaceful atmosphere, I decided to incorporate blue as the primary colour. Blue is also commonly associated with safety, an important consideration for a website dealing with personal information. To maintain a clean and uncluttered appearance, I chose to use monochromatic colours, avoiding the use of too many colours that could potentially overwhelm users. The main colour used is #EBF0F6, which is close to white, creating a calming and spacious feel. To emphasize certain elements and provide contrast, other colours are used sparingly as accent points.

3.2 List of features

- Header

Header with logo image and vertical navigation bar Completed

Logo is linked to the home(main) page Extra Feature

Hamburger navigation bar is available Completed

Hovering sub-categories changes colour Extra Feature

Sub-categories are clickable and linked to the sub-category page Completed

Search bar is in header Completed

Search bar can work and contents can be searched Not Completed

Search bar is responsive to the screen size Extra Feature

- Footer with horizontal nav bar

Footer is including About Us, Privacy Policy, Terms, Copyright, and Contact Us Completed

Hamburger navigation bar is available Extra Feature

Hovering hamburger navigation unfolds menus **without using fixed position** Not Completed (fixed position is used)

"Contact Us" is clickable and it is linked to Contact Us page Completed

Hovering texts changes colour Extra Feature

About Us, Privacy Policy, Terms, Copyright are clickable and linked Extra Feature
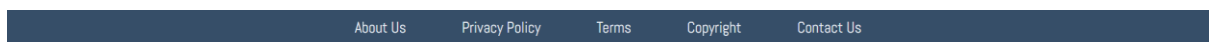
- Home page

Home page has 2 main categories Completed

Each category has least three books displayed Completed

Clicking book image links to the Book Detail page Completed

Main page has breadcrumb Extra Feature

Main category texts are clickable and links to category page Extra Feature

Hovering main category text has transition(animation) Extra Feature

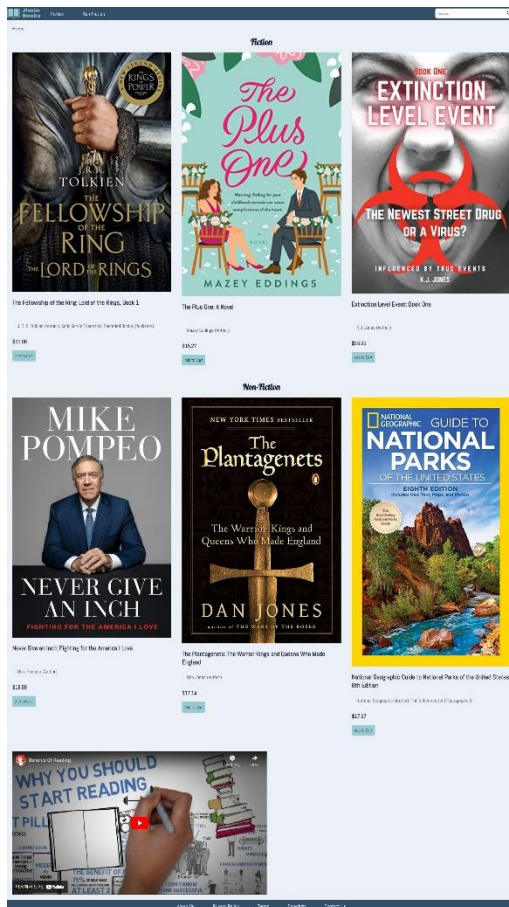Video (rich media) is added Completed

Book images are responsive to the screen size Completed

"Add to Cart" button is available and using transition(animation) Extra Feature

"Add to Cart" button is linked to Purchase page Extra Feature

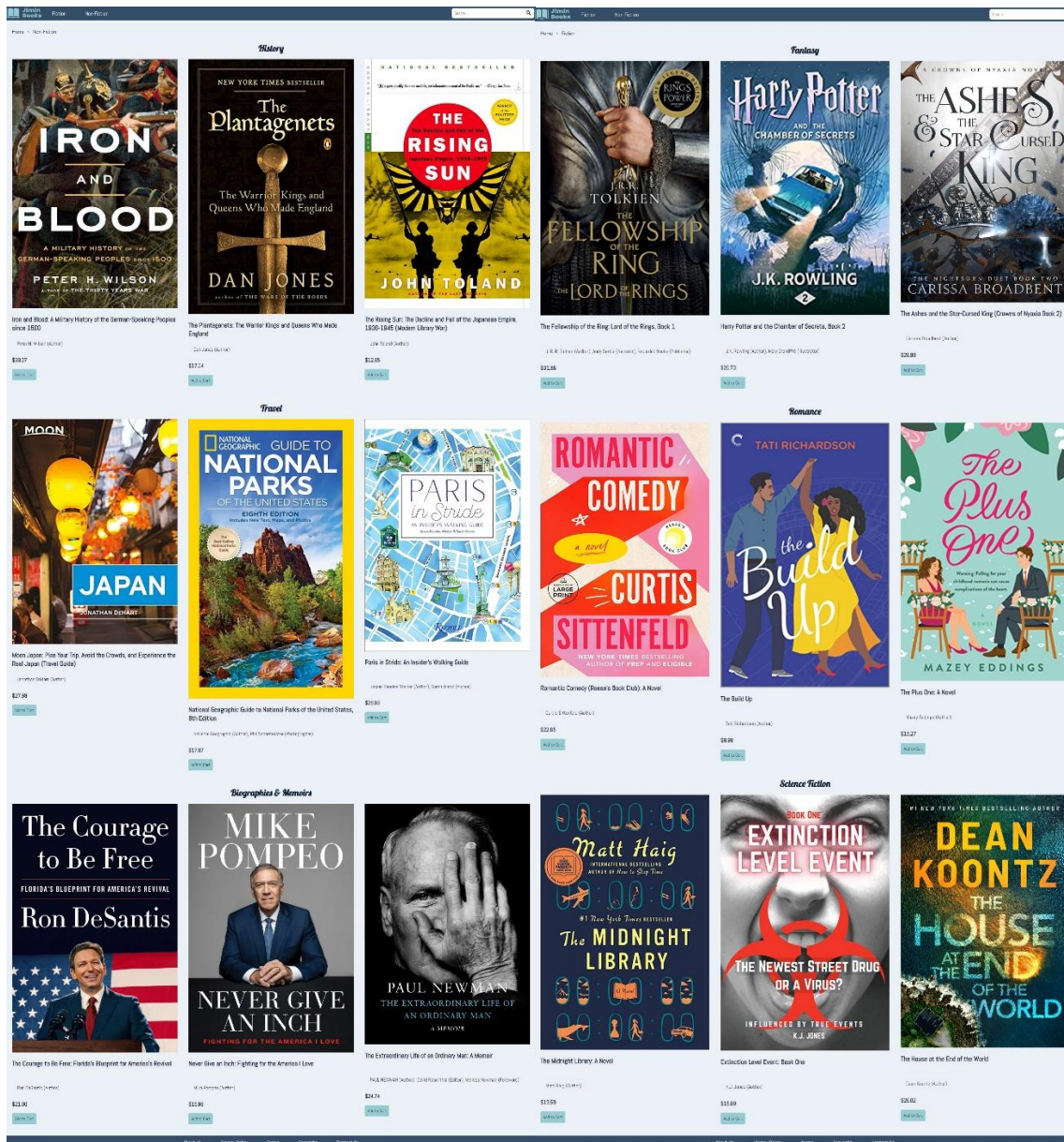"Add to Cart" buttons are in the same line (same row) Not Completed

- Category page

Category page has same Header and Footer Completed

Category page has three sub-categories Completed

Sub-category books are displayed and it is linked to detail page Completed

Sub-category names are linked Completed

- Book detail page

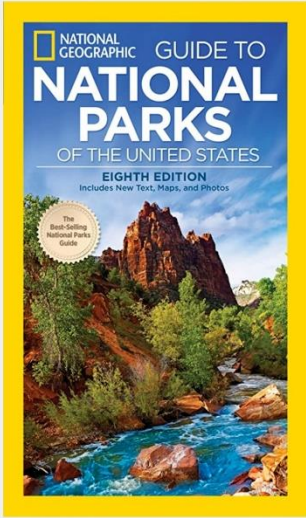Book detail page has same header and footer as home page Completed

Breadcrumb is available Completed

There are One large and three small detail images, add to cart button, and book price Completed

Book images, price, "Add to cart" buttons are rearranged in mobile device Completed

Book description and book name exist Completed

Three small images are zoomed while hovering Extra Feature

Jimin Books   Fiction   Non-Fiction

Search... 🔍

Home > Non-Fiction > Travel > National Geographic Guide to National Parks of the United States, 8th Edition

$17.97

Add to Cart
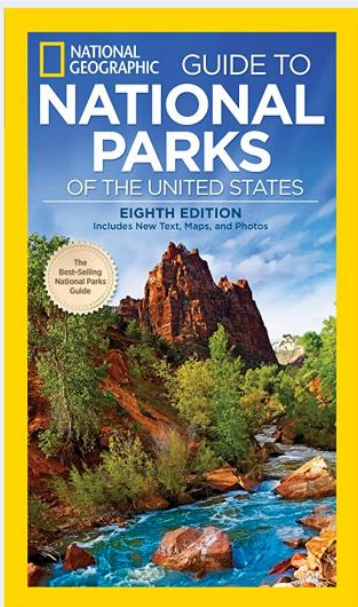
National Geographic Guide to National Parks of the United States, 8th Edition

National Geographic (Author), Phil Schermeister (Photographer)

National Geographic's flagship, best-selling guide covers all 59 national parks in the U.S. for nature and outdoor lovers everywhere. Intensive on-the-ground research, 300 photos and 80 colorful maps complete the extraordinary package. Practical and comprehensive coverage includes engaging, individual park descriptions and brief history, travel planning tips, itineraries and directions, activities, park lodges and hotels, visitor center contact information, and camping information. Well-known national parks writers provide new insights into the parks and share favorite spots for viewing scenery, wildlife, sunsets, and more in this Centennial edition.

About Us   Privacy Policy   Terms   Copyright   Contact Us

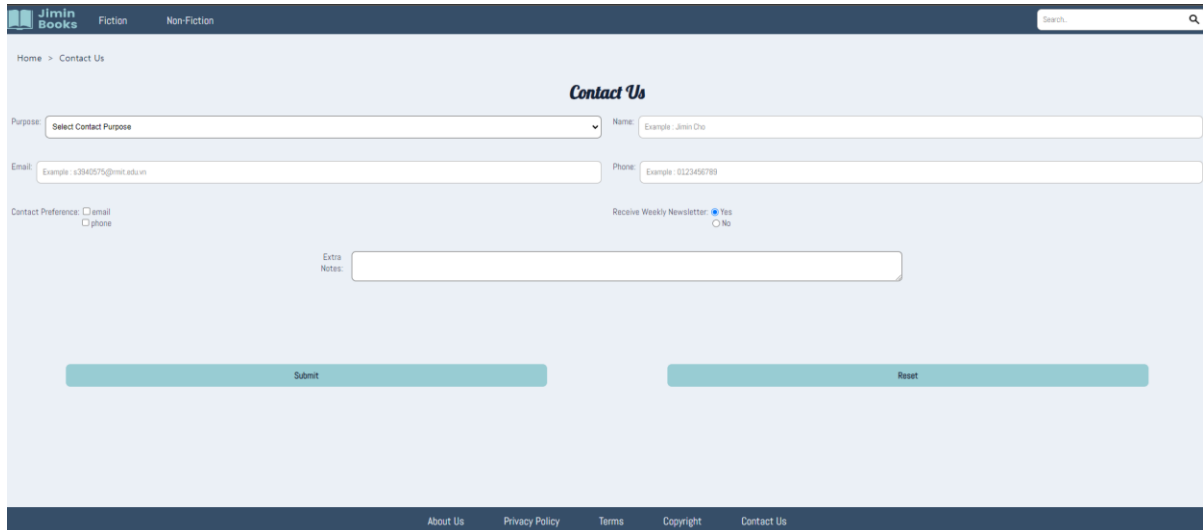Dimensions: iPhone 12 Pro ▼   390 × 844   90% ▼   No throttling ▼   ⊘

$17.97

- Contact page

Contact page has same header and footer as home page Completed
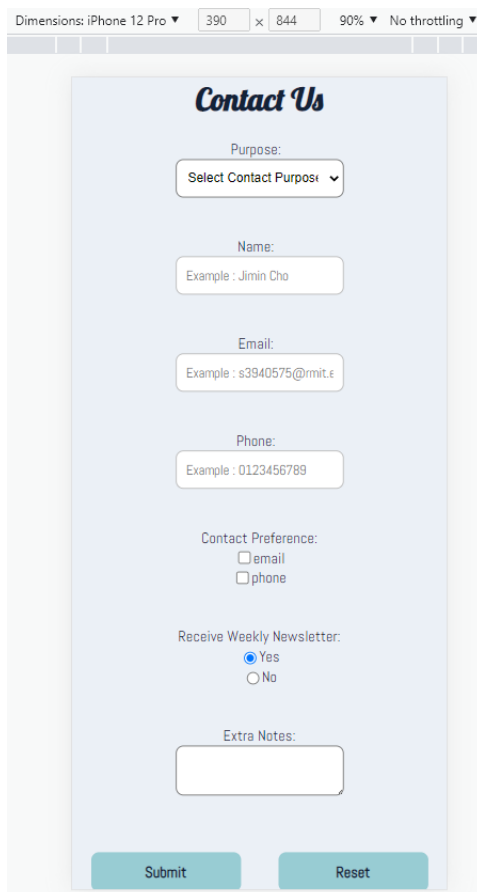
It is including all forms (contact purpose, phone, email…) required Completed

On mobile devices, input and labels are positioned on different lines Completed

Submit and reset buttons exist and working Completed

- HTML and CSS requirements

Images has "alt" attribute Completed

"alt" attributes are describing image as well Need Improvement

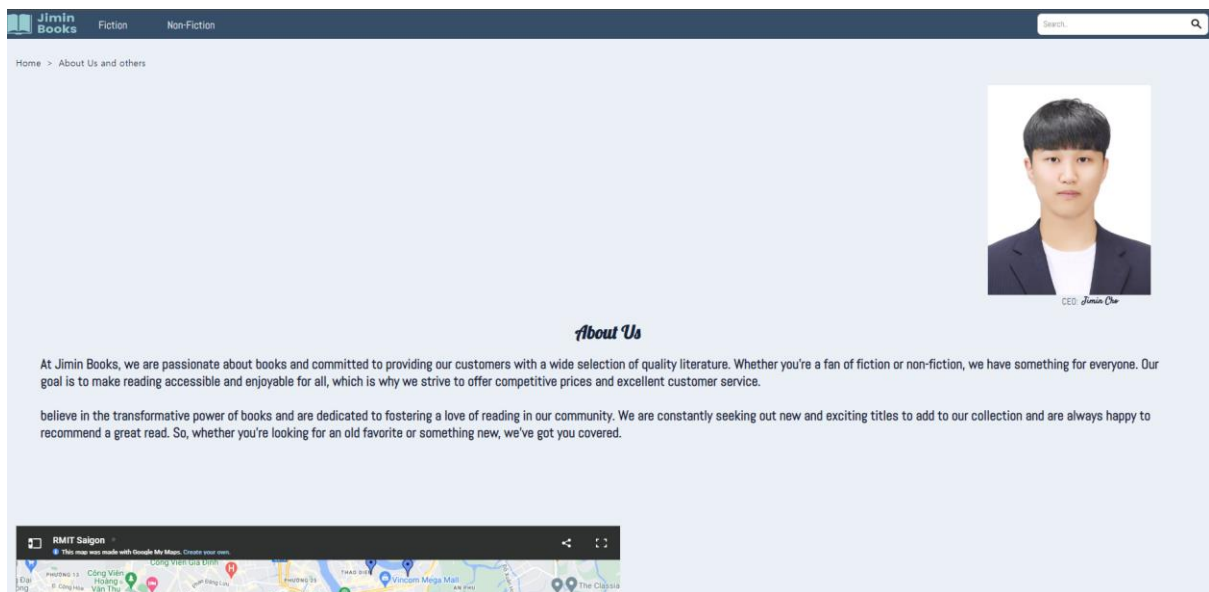Form input have labels Completed

"id" and "class" attributes are used Completed

The website is responsive (supporting mobile and desktop devices) Completed

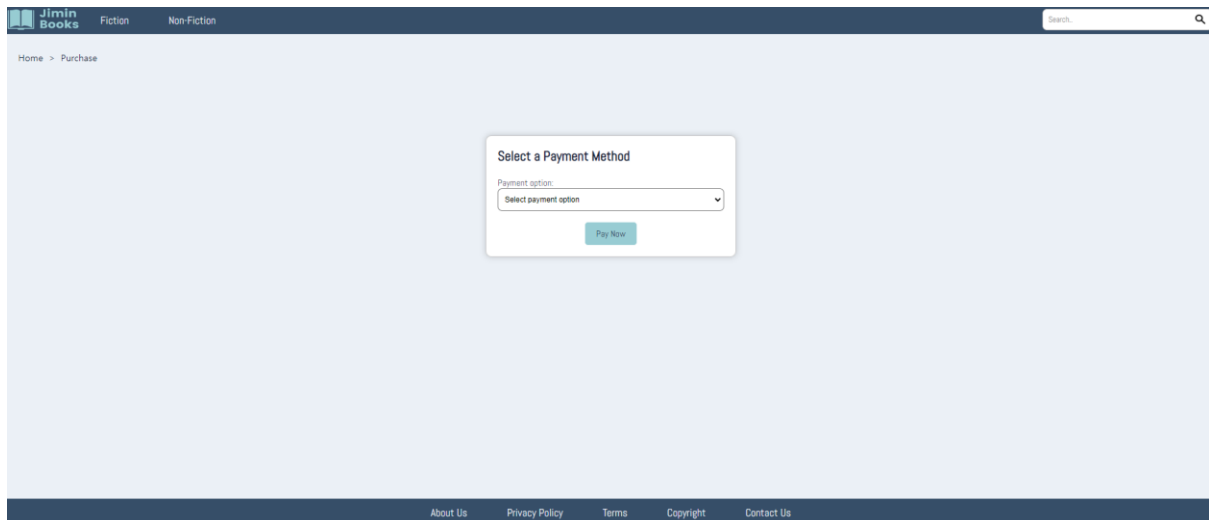Custom fonts are used Completed

Flexbox, transitions are used Completed

- Extra pages

About Us and others page Extra Feature

18 book detail pages Extra Feature

Purchase page Extra Feature

4. Conclusion

In conclusion, the process of creating a website was a valuable learning experience for me. Initially, I struggled with getting started and felt overwhelmed by the many requirements involved. However, as I progressed, I gained confidence and learned many useful skills for creating a website.

One of the most challenging aspects of building the website was working with flex boxes. While the concept seemed simple enough in theory, it was difficult to put flex boxes within flex boxes, and various variables often caused the layout to behave unexpectedly. Nonetheless, through my effort, I was able to solve issues.

One of the most interesting parts of the experience was creating multiple websites to meet specific requirements and publishing them to GitHub. As someone who was not familiar with GitHub, I initially found it difficult to use the platform. Moreover, I tried to create more than 20 repositories. However, with careful analysis of the structure of the lecturer's GitHub repository, I learned how to use GitHub more efficiently. I also gained experience using GitHub Desktop to push changes to the website.

Looking forward, I plan to make several CSS files instead of just one. I realized that it was inefficient to design more than 20 web pages with a single CSS file, and this will allow me to better organize my code. Additionally, one of the issues I noticed was that the positions of the "Add to Cart" buttons on the main page and the category page were different. This is something I would like to address for future plans.

Overall, I found the experience of creating a website to be both educational and rewarding. I look forward to continuing to develop my skills in this area and creating more websites in the future.

References

amazon (n.d.) Home Page. [online] Available at: https://www.amazon.com/[Accessed 20 Apr. 2023].

Used to reference picture, price, and description of the book

Canva (n.d.) Home Page. [online] Available at: https://www.canva.com/[Accessed 20 Apr. 2023].

Used to generate logo

Colorhunt(n.d.) Home Page. [online] Available at: https://colorhunt.co/palette/ebf0f698ccd3364e68132238[Accessed 20 Apr. 2023].

Used to refer to the colour combination to be used in website design