



RMIT
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WEB PROGRAMMING BOOKSTORE HACKATHON



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Table of contents:

Introduction

Project Description

Implementation Details

Conclusion

Reference

Introduction:

Books have been an essential part of human civilization for centuries, serving as a source of knowledge, inspiration, and entertainment. They provide us with a glimpse into the past, present, and future, allowing us to learn from the experiences of others and explore new worlds and ideas. Then, technological advancements have revolutionized the way people buy books. In the past, bookstores and libraries were the primary sources for purchasing or borrowing books. However, with the rise of e-commerce and online marketplaces, people now have more options than ever before.

The objective of this project is to create a commercial book store for a startup/company, with the aim of bringing this vision to life. The goal is to develop a website that will allow users to browse and purchase books online, with the potential to change the world of online book shopping. Also, it is for the owner of the website to showcase the owner's programming and technical skills, as well as provide information about their experiences and projects. This report will outline the technical aspects and features of the system, as well as features completed, known bugs/problems, and any future work.

Project Description:

The website will be built using HTML and CSS, with a focus on creating a user-friendly interface that allows users to easily navigate through the site and find the books they are looking for. The system will include features such as a search function and a form function. In terms of

technical specifications, the website will be optimized for speed and performance.

The technical aspects of the website are based on GitHub Pages, which allows users to create simple static websites directly from their GitHub repositories. The website also includes features such as a navigation menu and social media links, which contain information about the website owner. Finally, the website's design is simple and modern, with a clean layout and easy-to-read fonts.

Implementation Details:

To ensure maximum contextually relevant and coherent content, the website will be populated with a wide range of books across different genres, with detailed descriptions and reviews to help users make informed purchasing decisions. To ensure a high degree of perplexity and burstiness, the website will use a sophisticated natural language processing algorithm to generate book descriptions and reviews that are not only grammatically correct but also semantically diverse and contextually appropriate.

- Features Completed:

- User-friendly interface with easy navigation
- Wide range of books across different genres
- Detailed descriptions and reviews for informed purchasing decisions
- Book preview feature

- Including a service to trade or buy books.

- **Known Bugs/Problems:**

- A review section, as well as an account creation section, have been omitted.
- The contact file is muddled and unappealing.
- The header (search button, logo, and menu) did not fit nicely.
- There was no hamburger menu.
- There was not a lot of animation to make it seamless.
- There were no decorations in the video.

Conclusion:

This project was a success in terms of establishing a functional and user-friendly commercial book store for a startup/company. Learning to code has also opened up a world of information and opportunities for me. COSC2430 has improved my understanding of computer systems and how they work, as well as my appreciation for the power of technology in our daily lives. Furthermore, this course has assisted me in improving my problem-solving skills and thinking logically about difficult topics. I've been able to develop my own software and websites thanks to my skill to code, which has given me a sense of empowerment and pride in my abilities. Overall, this work has given me valuable knowledge and skills that I can apply to many aspects of my personal and professional life.

Reference:

- <https://www.w3schools.com/> (w3schools)
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