



CMPSC 431W Final Project: Online Bookstore

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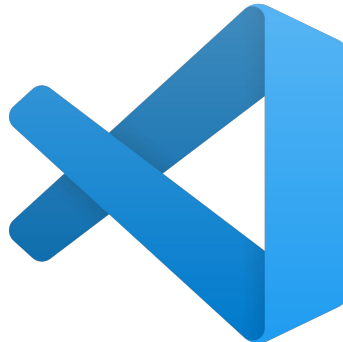


Objective

The objective of this semester-long project was to use the skills we learned in class to plan and implement a conventional online bookstore from scratch. The store is meant to fulfill certain requirements set by the professor and be easy to deploy and use by an outsider.

Technologies Used

- PHP CodeIgniter
- XAMPP Web-Server Solution (Local)
 - All-in-one program for running a web server and MySQL server concurrently
- Microsoft Visual Studio Code
- Google Chrome
- Mac OS X Catalina



Extra Features

Shopping Cart			
Title	Price	Quantity	Subtotal
A Changeling for All S	\$22 USD	<input type="text" value="1"/>	\$22 USD
Active Literacy Across the Curriculum: Strategies for Reading Writing Speaking and Listening	\$499.8666667 USD	<input type="text" value="2"/>	\$999.7333334 USD
Annals of the Former World	\$431.2666667 USD	<input type="text" value="1"/>	\$431.2666667 USD
Giving Good Weight	\$460.6666667 USD	<input type="text" value="4"/>	\$1842.6666668 USD
Arctica: Adventures in the Known World	\$382.2666667 USD	<input type="text" value="6"/>	\$2293.6000002 USD
Continue Shopping			Grand Total: \$5589.2666671 USD CheckOut >

- Singular orders can have multiple products in multiple quantities with the cart system
 - Added controllers, models, and views, to implement a cart
- In the users list for admins, passwords are encrypted using hashing to make passwords less blatant and recognizable.
 - Done by finding the md5 hash of the password string
- 'Keep me signed in' feature
 - Users are able to check a box upon sign-in that lets them stay logged in until they physically choose to log out.

☒ Sign In ☐ Sign Up

Username

Password

☒ Keep me Signed in

Password
6104df369888589d6dbea304b59a32d4
827ccb0eea8a706c4c34a16891f84e7b



Challenges



- First time ever using PHP as a primary language
- First time working very in-depth with HTML
- First time doing a project with SQL!
- Finding a vision for the project
- Choosing the right technologies
- General getting stuck





Reflection: Comparison to Phase 1

- COMPLETELY different technologies!
 - PHP instead of Python
 - CodeIgniter instead of MySQL Workbench
 - XAMPP instead of MySQLServer
- Changed relationships between tables, changed items inside of tables
- All extra functionalities were not mentioned in Phase 1



What I have learned and gained from this project

- Gained plenty of knowledge and skills in PHP, HTML, SQL, and server maintenance that I didn't once have
- Gained a much larger sense of vision for large coding projects. I now know what I should be focusing on in the beginning stages as opposed to the ending stages.
- I now have a better understanding of how certain programming languages and integrate and interact with each other.