**Modifying a Website**

This project involved the development of a web application using Flask and Bootstrap for managing an online bookstore. The web application allows users to register, login, view a list of books, add books to their shopping cart, and purchase selected books.

A screenshot of a computer

Description automatically generated

In the first step, the project was set up in Visual Studio Code (VS Code) by downloading and unzipping the provided Module 11 Final Assignment.zip file. The project directory was opened in VS Code to proceed with the implementation.

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The web application was then run locally, and the homepage was accessed at [http://localhost:5000](http://localhost:5000/), demonstrating successful setup and deployment.

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Description automatically generated

Next, the books.html template was modified to use a Bootstrap table with columns for Author, Country, Language, Pages, Title, and Price. The table was styled with the class "table table-striped" for a clean and organized display of book information.

A screenshot of a computer

Description automatically generated

Striped table can be seen at <http://localhost:5000/books>.

A screen shot of a computer

Description automatically generated

(4a, 4b, 4c, 4d) In the app.py file, the buybook() function was completed to handle book purchases. The function took a bookId parameter from the request and used a cookie named booksToPurchase to store the selected books for purchase. The function looped through bookIds, found the corresponding books in the books list, and added them to the booksToPurchase array. The updated list was then stored in the cookie and returned as a response object.

A screenshot of a computer program

Description automatically generated

Finally, the buybook.html template was updated to include a Bootstrap table with columns for Author, Country, Language, Pages, Title, Year, and Price. The template displayed the user's shopping cart with the selected books and the total due.

A screenshot of a computer

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In conclusion, the web application successfully allows users to browse and purchase books while utilizing Bootstrap to enhance the user interface and user experience.