Coursework Report

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1 Introduction

The web app was created to allow users to navigate through a collection of books. It should give user multiple ways to navigate through the collection, by author, genre etc. The aim was to make a web app that was clear and simple to navigate even if the user had never interacted with the web app before.

2 Design

The main aim during development was for the web app to be easily navigable by the user. to that end the design was kept very clear and simple. The main page the initial navigation where the user can select how they wish to sort through the collection, by title, genre, author etc, as well as a form that can be used to add new books into the collection. Once the user has selected how to wish to sort the collection, each link will take them to a list of sub-categories, for example if genres was selected the following page would list what genres can be found with in the collection, e.g fantasy or science fiction. Once a subcategory has been chosen it will then display a table of all the books within the chosen subcategory. The exception to this is if the user selects the titles option, this will then directly display a table containing all books with it the collection.

3 Enhancements

Future enhancements that could be included are a log in and user system. For example if each user could set up an account with a unique log in, and a unique json file associated with it then each user could have their own unique collection of book to view and expand.

Another improvement that could be mad is solving the issues with the form to add a new book to the collection.

The other main enhancement that could be made is a greater degree of styling and design. As currently it is somewhat overly simple and plain.

4 Critical Evaluation

The largest flaw of the web app is the fact that the form to add a new book to the collection does not work. While being able to sort through the collection in a number of ways proves useful for finding data that is in the pre-established collection, the inability add new data to the collection renders the web app significantly less useful. Though over all the web app function in its intended purpose of allowing a user to navigate through the collection efficiently and easily.

5 Personal Evaluation

During the development of this web app I learned that although i have a decent understanding on the basics of python/flask development there are still many areas in which I can improve. The main area I feel i need improvement is in the design. I aim to try and improve this aspect in future projects be developing a utilising a better understanding of tools such as bootstrap to ensure that future projects have a greater degree of styling and design.