CSCI UA.0060 Spring 2024

Assignment 8 – Connect Website to MongoDB

Deliverables

Upload your PyCharm project to GitHub.

Overall Requirements

In this assignment, you will create a website for maintaining a set of books in your bookstore. The books will be stored in MongoDB. Because this is an admin only website, appearance is not important. The main focus is on a robust set of functionality to insert, update, delete and retrieve book information from the database. Skeleton code has been provided in the GitHub repository

Specific Requirements

1. Create book and category collections in a new MongoDB. Populate the collections with at least 4 categories and 16 books. You can do so either by programmatically reading data from your SQL bookstore database or from Excel and inserting code using the two create\_db Python templates provided. If you choose, you can also insert the data manually.
2. Update the skeleton app.py and template files to provide a full set of maintenance functionality for the book collection.
3. The book documents should include category names rather than categoryIds. The category collection is only there to simplify the construction of the dropdown boxes on the Insert and Edit pages.
4. The set of screenshots provided in the screenshot.ppt file should demonstrate all the functionality that should be provided.
5. Please note that you can choose to make the site more visually appealing if you choose. You can also change the user interface, so long as all the functionality is implemented.
6. When you have completed the assignment, export the two database collections (books and categories) to JSON files and copy them into the bookstoreMaintenance project folder. Once done, submit the assignment to GitHub.

Grading Rubric

See Brightspace for Grading Rubric