CA3: Bookstore DB

Due Date: December 13th

For this assignment, you will build a **React application** with **MongoDB** as the database for a small bookstore. The application will include features for both **administrators** and **customers**, along with a modern, user-friendly interface.

Administrator Features

The admin should be able to fully manage the bookstore inventory through complete CRUD functionality:

- **Create** new books
- **Read** and view existing books
- **Update** book details
- **Delete** books

Each book record must include the following information:

- Title, ISBN, Author, Category (e.g., fiction, history, children, educational, etc.), Price, Number in stock.

The system must provide functionality to import book data from a JSON file, allowing admins to quickly insert multiple books into the database.

Customer Features

The customer section of the app should allow users to browse, search, and purchase books. Book Search: Customers should be able to search for books based on:

- Title, Author and Genre / Category

Purchasing Books

A customer may purchase between 1 and 5 copies of a selected book.
Purchases must reduce the stock count appropriately in the database.
Customers cannot purchase more copies than are currently in stock

Customer Discounts

Customers should automatically receive a **5% discount** on purchases after their total spending exceeds €150. Running total stored per user or calculated from purchase history.

The application should include a clean, responsive interface.

Tailwind CSS and **Flowbite** may be used, but they are optional recommendations, not requirements.
A **light/dark mode toggle** is recommended to enhance user experience.
You may use any styling approach (e.g., CSS modules, Bootstrap, Material UI, etc.) as long as the UI is well-structured and functional.

Marking scheme

Admin CRUD ops	20
Updating stock	10
Customer Searches	10
Discount	10
Bulk Book Insertion	10
Customer purchases	10
UI + Presentation	30