

Project Name: Bookstore Management System

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What

The **Bookstore Management System** is a comprehensive platform designed to streamline bookstore operations, such as managing books, authors, categories, customer orders, promotions, and audit logs, using **Oracle SQL** for database management. The system ensures efficient tracking of inventory, processing of orders, and management of promotional discounts, all facilitated by Oracle SQL queries. Additionally, Oracle SQL triggers are used to maintain data integrity through automated audit logs, capturing changes and ensuring accurate tracking of operations.

Why

I chose to develop the **Bookstore Management System** because the book industry is rapidly evolving, with more readers shifting to online platforms for their purchases. During my daily commutes, I've noticed how many people are engrossed in reading, particularly in the USA, where reading habits are prevalent. This observation sparked my desire to build a system that combines my skills in database.

How

Scope

The **scope** of the **Bookstore Management System** includes managing books, authors, categories, orders, and promotions, all powered by an **Oracle SQL** database. It ensures efficient inventory tracking, order processing, and data integrity through automated audit logs and triggers. The system will focus on core functionalities initially, with plans for future scalability and enhancements.

Minimal Viable Project Goal (Pessimistic Plan)

The core goal is to deliver a fully functional Bookstore Management System Database with essential features like book and order management, promotions and audit logging. The minimal version will support basic transactions and administrative tasks.

Ambitious Project Goal (Optimistic Plan)

The ambitious goal includes additional features:

- User registration and login functionality.
- Basic book catalog with listing and detail views.
- Order placement and simple order history functionality.
- An admin interface for adding and managing books and orders.

Next Steps

Once the proposal is approved, I will begin the initial development focusing on the minimum viable product, followed by the ambitious features as time permits.