Book Renting Service – Spring Project

Business Requirements

- The app should have a list of all users with comprehensive details about each of them
- The application should allow the modification of user details, addition of new entries, and deletion of outdated ones
- The system should have a list of all of the books, publishers, genres and authors available in the database
- Employees should have the ability to seamlessly add new books, publishers, genres, and authors to the database as needed
- Each book entry should include associated details such as author, genre, and publisher
- Each user should be able to rent a certain book and receive a return date
- Employees should have the ability to filter rentals by user
- They should also be able to filter books based on authors, users by their full name, and publishers by their publication name
- The application should validate that a rental is associated with an existing user and book
- Each book entry must have valid associations with a publisher, genre, and author

Minimum Viable Product Features

- Have basic details available for each entity such as the full name and contact number of the users, the name and biography of the authors, the address and name of each publisher, etc.
- Enable the ability to create, modify, and delete user accounts
- List all of the available books, genres, publishers and authors as well as create new entries for each
- Facilitate the addition of rentals, allowing associations between a user and a book as well as adding a rental and return date
- Ability to selectively list specific entities using a custom filter. For instance, retrieve all rentals associated with User X or those related to Book Y