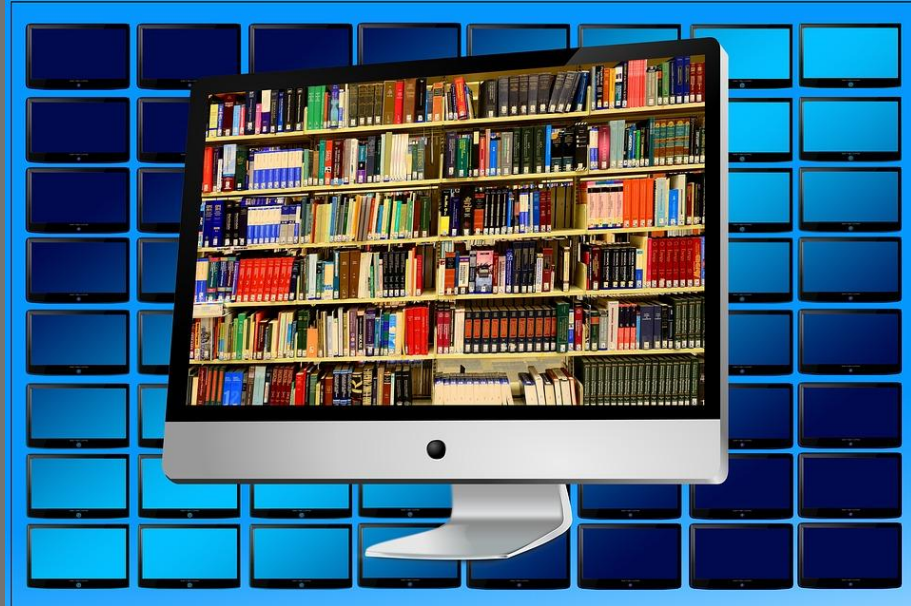# Virtual Library

Members: Matt Oakley, David Ingraham, Cory Cranford, Daniel Thompson

Demo

Use Cases

Register as a user

Search for a book

Add a book to personal collection

Interaction

View Attributes

Add a comment
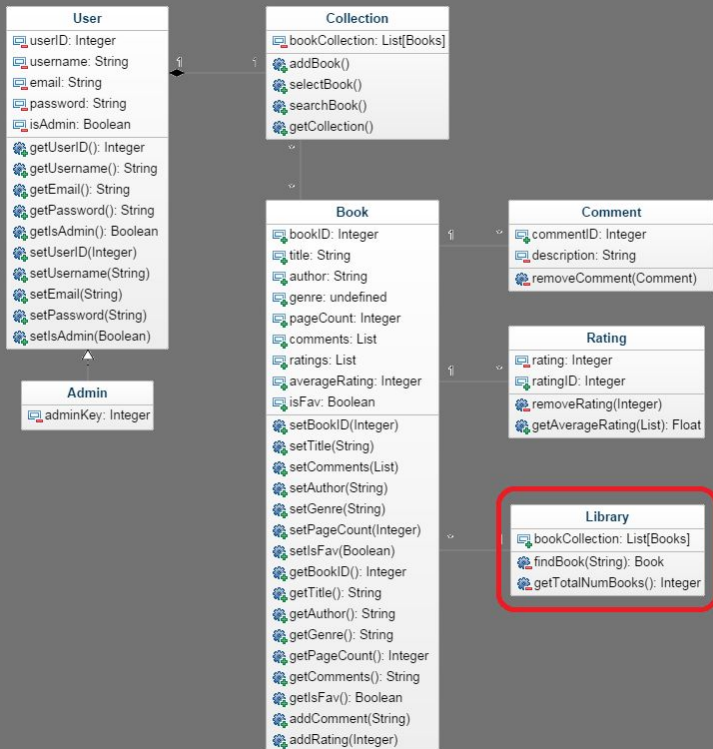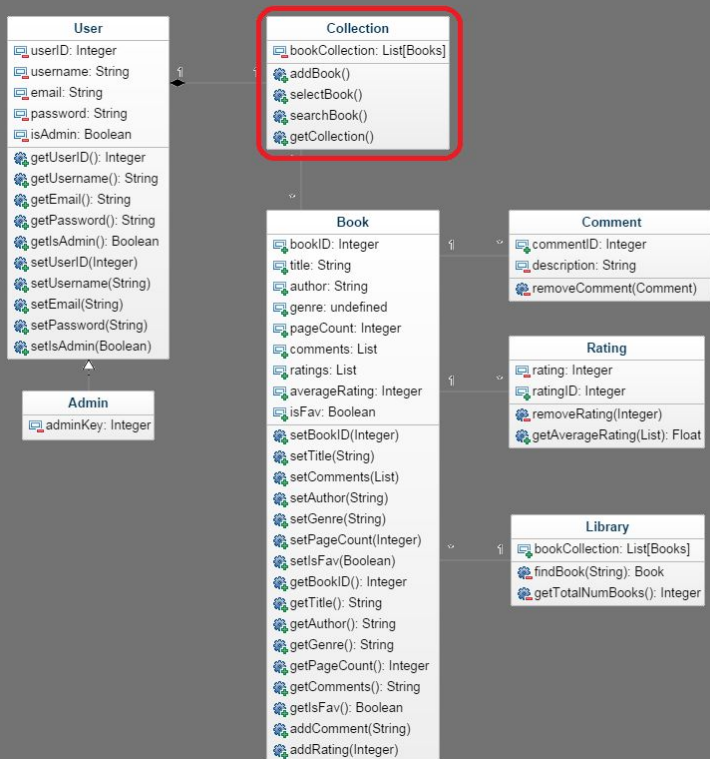
Add a rating

Set as favorite

Design Patterns

Singleton

- One instance of Library

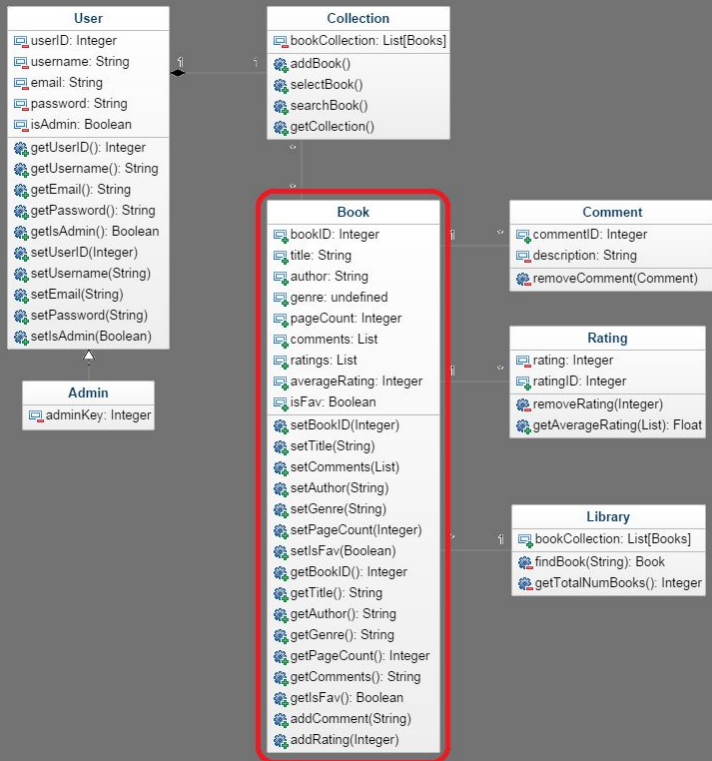- Users own *Collections*

- This is the overarching *Library*

Design Patterns

Strategy

- Different forms of media

- Different step in algorithm for interaction

- listenToMP3() vs playGame()

Design Patterns

Flyweight

- Large amount of Book objects

- Too many extrinsic values

    - Title

    - Author

    - Page Count

Future

Functionality

- Implementing functionality for Administrators

- User and Collection objects persist in database

- Support different forms of media

Commercial Availability

- Release on Android and iOS App Stores