Online Library System

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Overview

- A simple Interface to manage library activities!
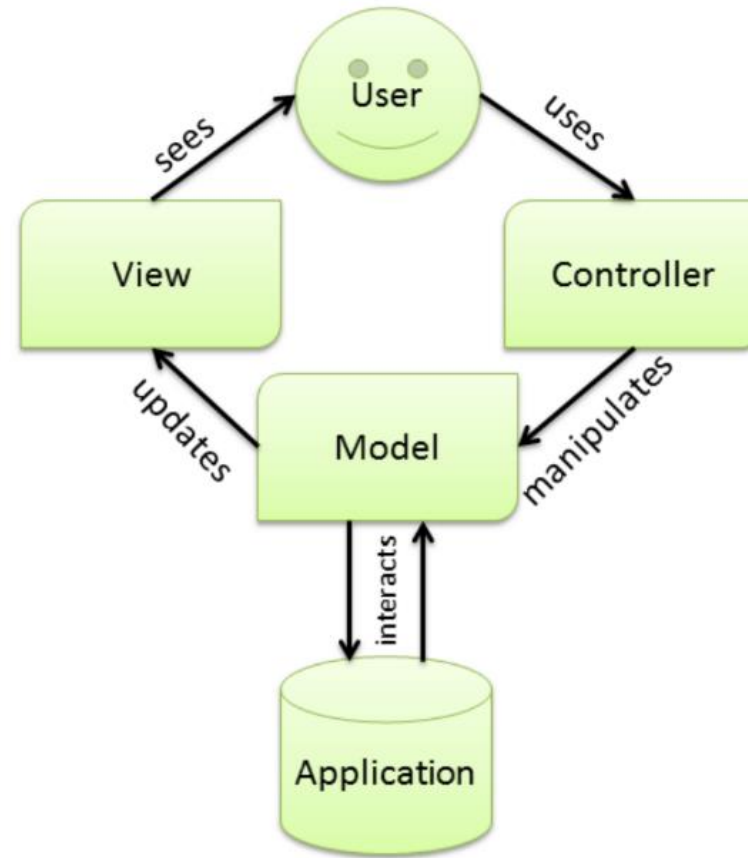

Customer   Staff Member   Admin

- Uses cases:

  - Creating Customer and Staff accounts, Login
  - Adding books to and Removing books from circulation
  - Updating Book details
  - Searching books based on Name, Genre, Author and ISBN
  - Borrowing , Extending and Returning a book
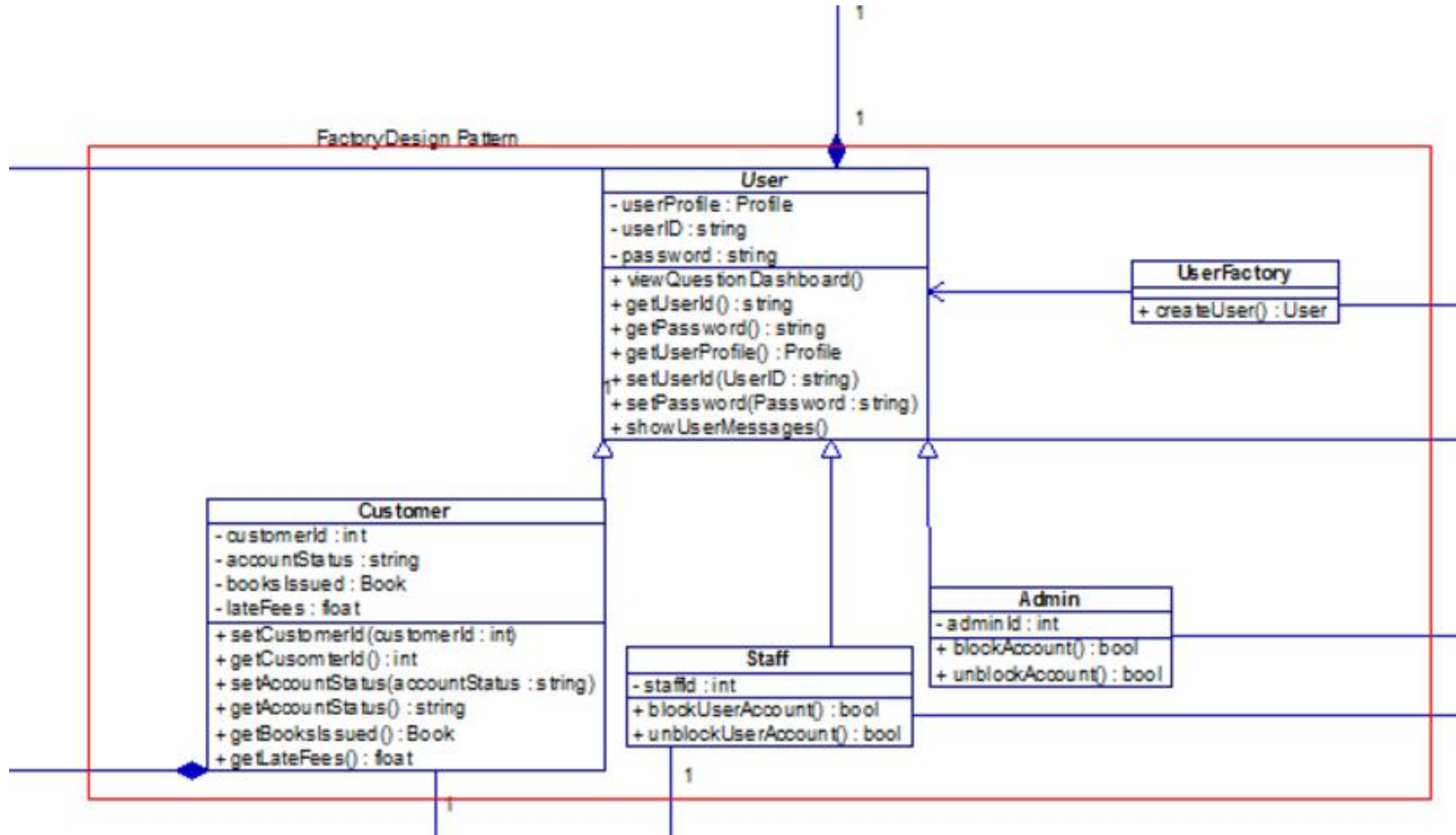 - Post questions and answers.
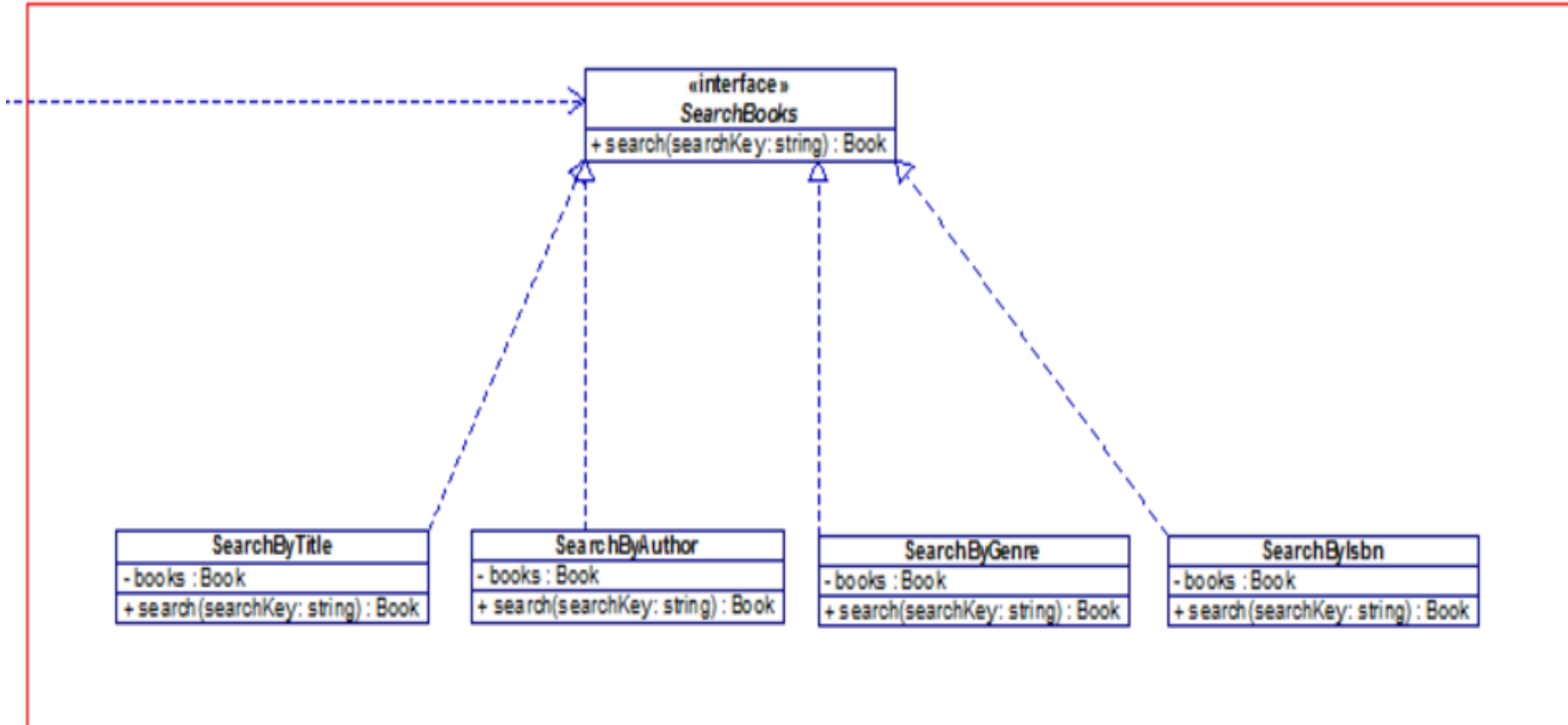
Technologies Used

Demo

- [Final Demo Video](#)

Design Pattern Implemented

Strategy Pattern

StrategyDesign Pattern

«interface»
SearchBooks

+ search(searchKey: string) : Book

SearchByTitle

- books : Book

+ search(searchKey: string) : Book

SearchByAuthor

- books : Book

+ search(searchKey: string) : Book

SearchByGenre

- books : Book

+ search(searchKey: string) : Book

SearchByIsbn

- books : Book

+ search(searchKey: string) : Book

Lessons Learnt

- Requirements analysis is important
- Requirements are bound to change
- Divide use cases into smaller simpler use cases
- End to end development of product