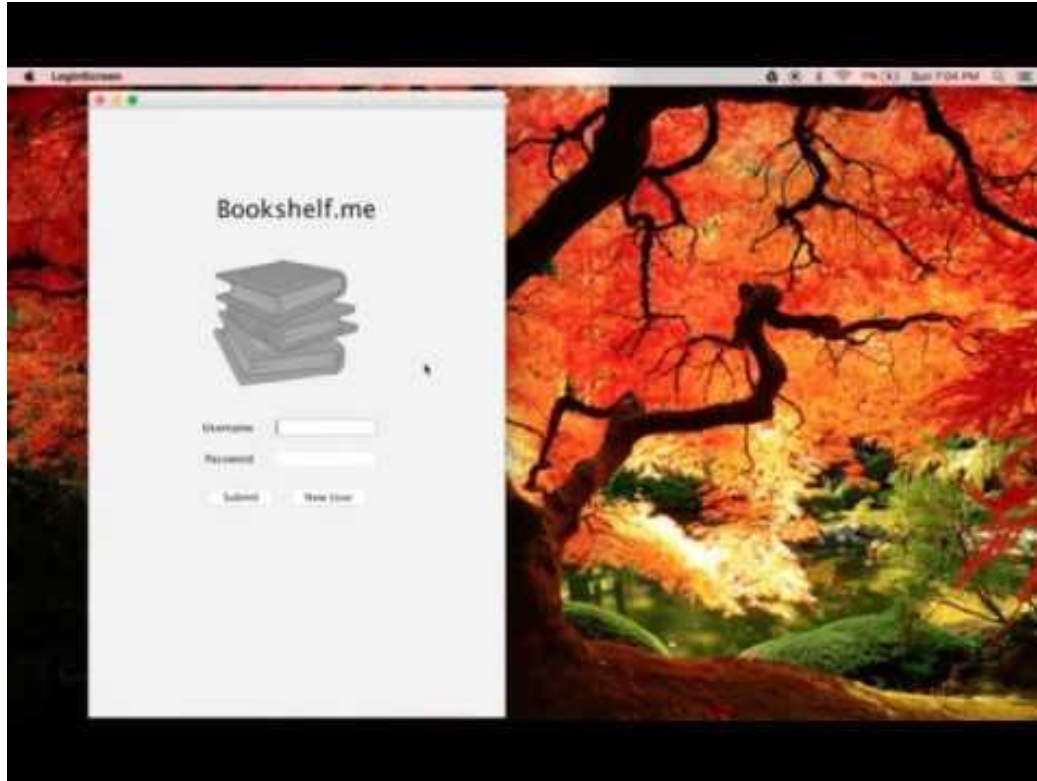

Bookshelf.me

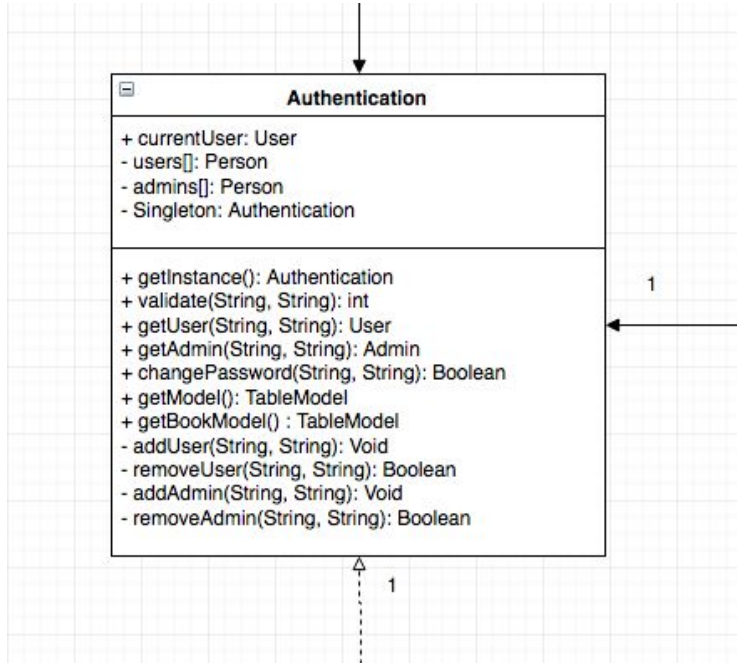
Soham Shah
Jen Dooley
Girish Ramkumar
Sam Taylor

Walkthrough/Demo



<https://www.youtube.com/watch?v=TPVsNNQWSLg>

Design Pattern - Singleton



- Only have one instance of authentication
- Method to obtain that instance is public
- Instance itself is private

Design Pattern - Factory



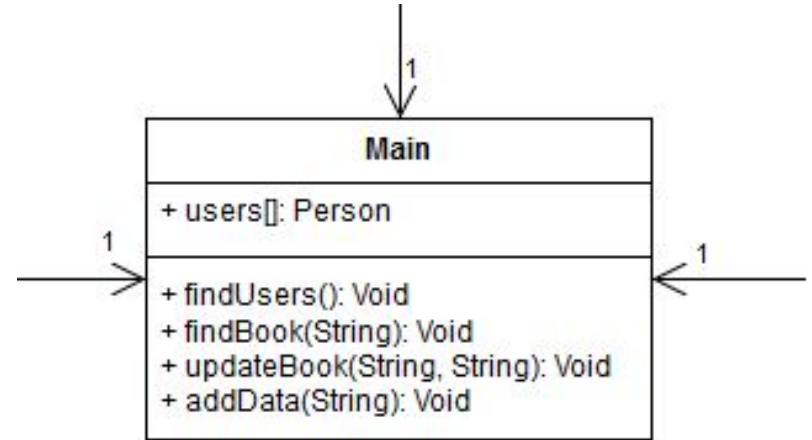
- The Book Factory class would instantiate a type of book
- The Book class contains all of the methods a book would have
- Currently, every book has the same characteristics, so a Factory pattern wouldn't be necessary

Anti Design Pattern - The Blob

- Encapsulates many functions that do processing
- No information stored within the class
- Could cause problems as the project grows
- Better approach is MVC

Adaptation of Main - Before

- Originally designed to only be used by users
- Had basic operations for books
- Didn't have any sort of verification originally



Adaptation of Main (Authentication) - After

- Class that determines if a user or admin is in the system
- Contains the list of users and administrators
- Keeps track of the actors within the system

