

Library Manager

The main purpose of this software is to provide an easy and clever system to manage books in electronic form. System allows user to find a book that he is interested in, open it, and rate it.

Roles: Guest, User and Admin.

Guest: can register a new account or authorize by his own credentials, find a book, open random book, filter books by genre or by the author name.

User: have access to all guest opportunities, can add book to the wishlist, can rate a book, check book rating, edit its own profile and also logout of the system.

Admin: have access to all user opportunities, also manage library data, by adding new book, editing the existing one, delete it, change the rating of the book, view users profiles, block and unblock other users.

Book management

№	Including Use Case	Use Case	Role	Description	Action Method	TESTS
BM 1	—	Add new book	Admin	Admin can add books, set category.	AddNewBook(BookModel)	TST5
BM 2	Edit book	Edit book category	Admin	Admin can edit category of a book.	Edit(BookModel)	TST9

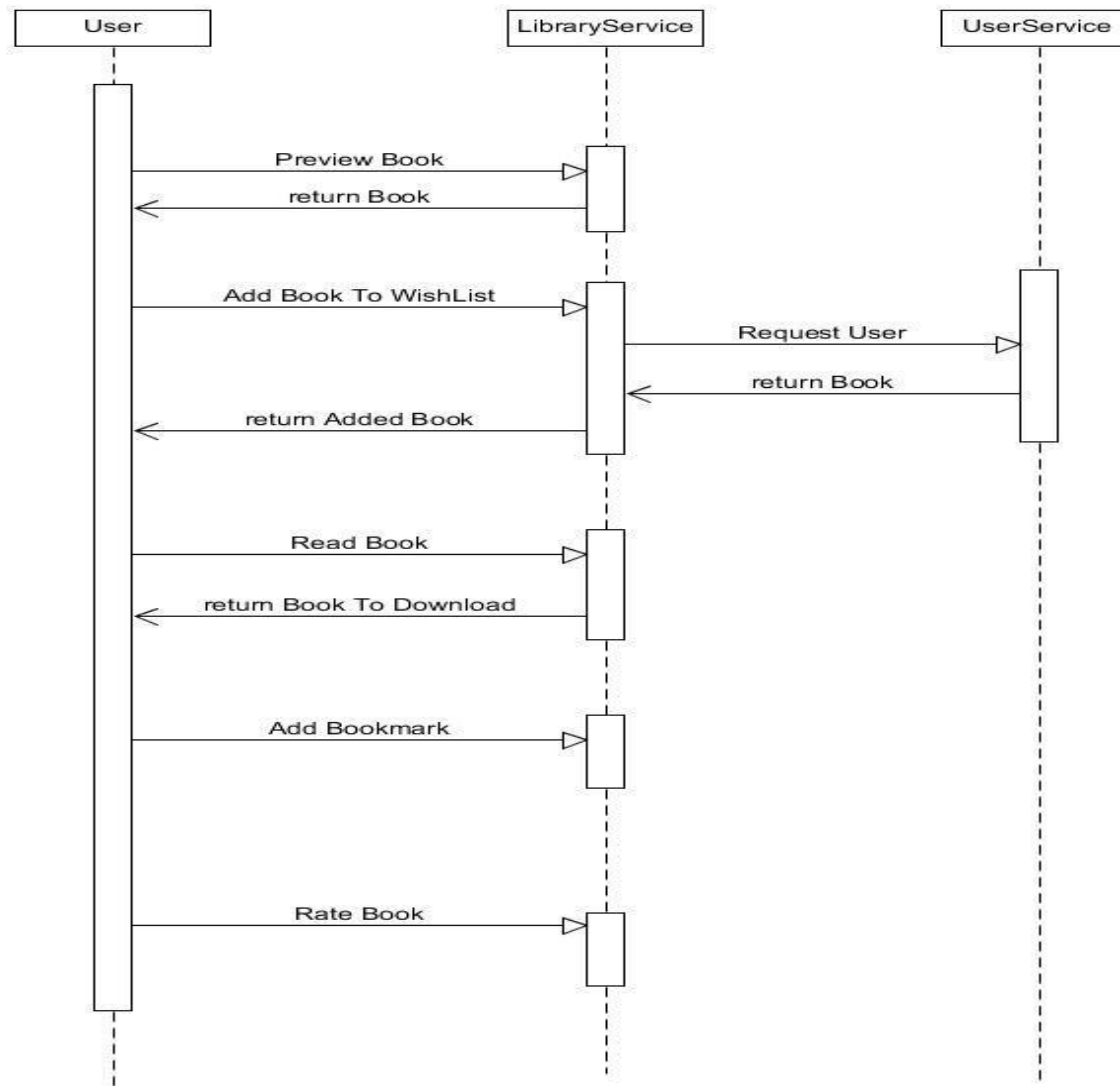
BM 3	Delete book	Remove book	Admin	Admin can remove book from library.	RemoveBook(BookModel)	TST6
BM 4	—	Create category	Admin	Admin can create a new category for books.	CreateCategory(CategoryModel)	TST5
BM 5	Open user list	Ban user	Admin	Admin can ban an user.	BanUser(UserModel)	TST17
		See user statistic	Admin	Admin can see all information about user.	GetUsersCollection()	TST18
BM 6	—	Random book	User	User can get a random book from a library.	RandomBook()	TST16
BM 7	—	Sort by category	User/Guest	User and Guest can group books by category.	Sort(string)	TST14
BM 8	—	Search book	User/Guest	User and Guest can search book by title, genre or author	SearchByLabel(string) SearchByGenre(string) SearchByAuthor(string)	TST11
BM 9	Preview book	Rate book	User	User can give book a mark.	RateBook(BookModel, UserModel)	TST13

		See statistics	User/Guest	User and Guest can watch a book statistics.	GetStatistic(Book Model)	TST4
		See rating	User/Guest	User and Guest can watch a rating of each book	GetBook()	TST3
		Add to wishlist	User	User can add books to his wishlist.	AddBookToWishList(BookModel,UserModel)	TST8

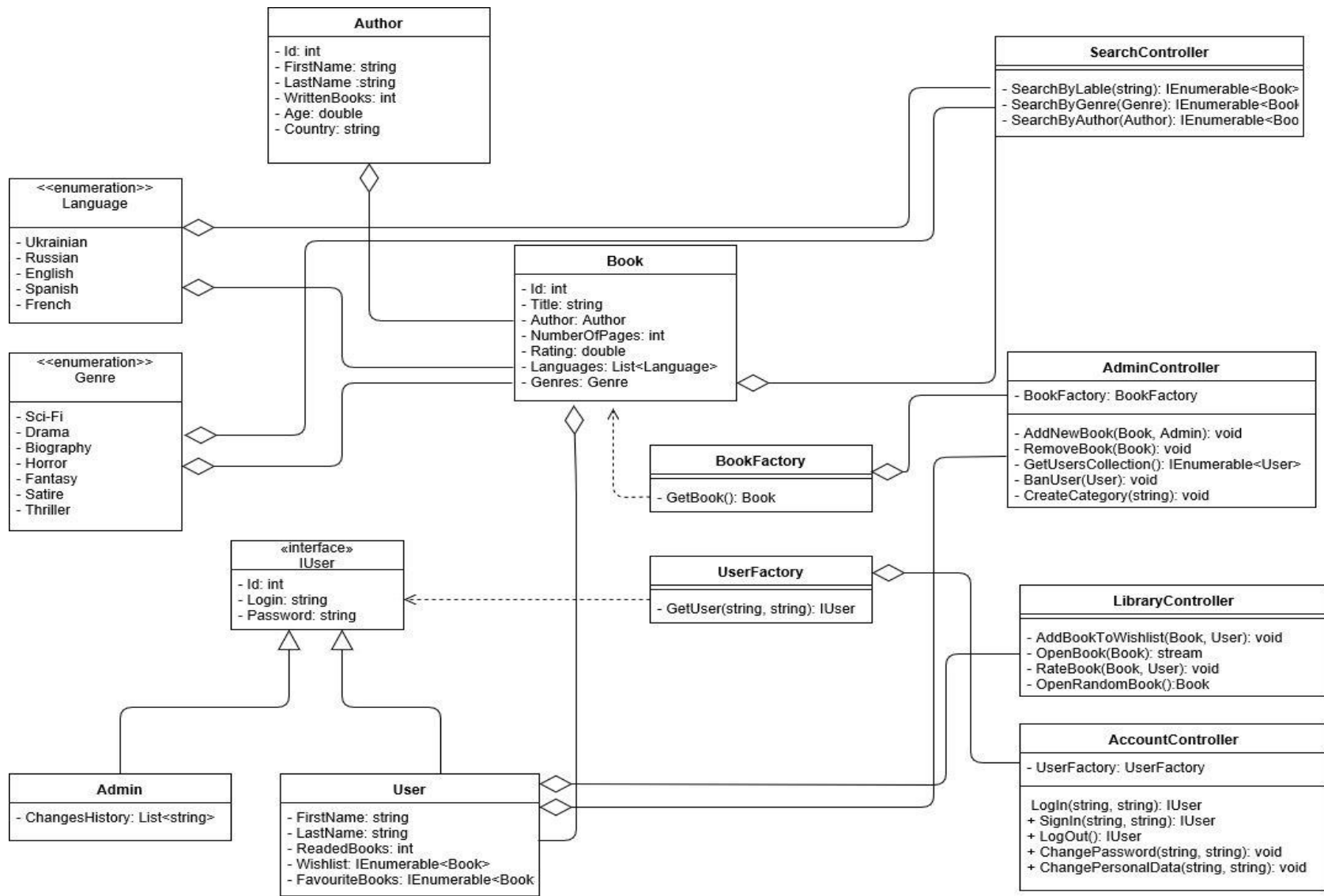
User management

№	Including Use Case	Use Case	Role	Description	Action Method	TESTS
UM1	—	Sign up	Guest	Guest can create an account to become user.	SignUp(string,string)	TST6
UM2	Open user list	Ban user	Admin	Admin can ban user account	BanUser(UserModel)	TST17
		See user statistics	Admin	Admin can check user statistics	GetUsersCollection()	TST18

Sequence



Class



Use cases

