**Notes for Frontend**

1. **Controller for Authenticating & Login of Librarian** – For this if the method returns entity, then display and login Librarian, but if returns null then credentials are wrong message to be shown on frontend.
2. **Controller for Admin to Add Books-** For this if the method returns true, then display message successfully saved books , but if returns false then failed to save book message to be shown on frontend.
3. **Controller for Admin to Update Books –** For this if the method returns true, then display message successfully updated books , but if returns false then failed to update book message to be shown on frontend.
4. **Controller for Admin to Get Books –** For this if the method returns list of books, then display the list of books at frontend but if returns null then display error message.
5. **Controller for Librarian to Login student for borrowing book –** If this method returns student display student and must be logged in by the librarian. If returns null then display error message.
6. **Controller for Librarian to save borrowed book or return book –** This method will return a string like(borrowed, return, can’t borrow >3 books) frontend should display message according to returned string.
7. **Controller for Librarian to get all past transaction –** This method will return list of past all borrowing and returned transaction.
8. **Controller for Librarian to get all past transaction –** This method will return all the list of transaction based on status like borrowed/returned.
9. **Controller for student for registration –** This method is accessed by student website student will register himself on the website and will return true and false.
10. **Controller for student for Set Username and password –** This the method after student registration for setting username and password.
11. **Controller for student for login –** This method will authenticate student and return student if ok and null if wrong credentials.