Hi,

Have tried to implement back end and front end.

Back end API :

1. Added repository pattern to the application. There by removing Domain object direct access in controller.
2. Added global exception handling (Startup.cs)
3. Handled business layer (Book service) exception gracefully and logged same.
4. Modified original implementation of GetBookByIdAsync from enumerable to queryable.
5. Added model binding to EditBook and AddBook
6. Added unit test cases to both controller and service layer.

Front end:

1. Added entire new client app using Angular.
2. Added required functionalities Paging, Search, View & Edit book in it.

To do / betterments:

1. Addition of more test scenarios at back end controller and service
2. Addition of more test scenarios front end
3. Logging at back end to save it to file / third party applications like log to Splunk
4. Apply CSS and can user better controls using Angular material / ng-prime

How to run client application (angular)?

npm install

npm start

http://localhost:4200/