SQL Lite Installation:

It had a pain to install sqlite and after spending nearly three hours I just gave up. Since my laptop has vs community 2019. I as having issue to install the provider. So as result my actual utilized time was less than three hours. Due to this reason I used sql express for designing database. The script has been provided in the zip file. Also that stopped me to implement unit test. If I could get atleaset an hour I would have successfully able to complete the test. So far I have tried to implement SOLID in my code structure and I used ninject as IOC.

Basically the project has four layer:

1. Leap.BookStore.DAL : This is a Data access layer. I have tried to implement repository pattern with unit of work. Though due to time constrain I could n’t apply solid properly as I didn’t implement properly Liskov Substitution.
2. Leap.BookStore.Dto: This layer will contain the DTO object which will can be considered as view model or business object . I choose this approach to abstract the datalayer. Her for mapping I used AUtomapper.
3. Leap.BookStore.Service: This is a service layer which will provide required service to api. We can consider it as Business Logic layer. Here I implemented Interface segregation
4. Leap.BookStore.API: This is the api layer. Here I implemented the IOC container to invoke the service controller following inversion of control.