

C# ASSESSMENT

Create a Book Store Web Application using Dotnet core which have following components:

UI – Create an Angular or React (Redux optional) or any Java script SPA based front end which have

- i.** Login page
- ii.** Book Store dashboard for search books
- iii.** Options to add, update delete books
- iv.** Book information must include Book ID, Book name, Category, Price, Description
- v.** Use standard bootstrapping/ HTML5 feature
- vi.** Use HTTPs using self-signed certs
- vii.** Use JWT Authorization for API calls
- viii.** Make sure Unit testing is done and code coverage in > 80 %

Middle Layer - Create Dotnet core Based APIs (preferred latest dotnet core version 3.0 or above) to handle

- i.** User login
- ii.** Book CRUD operations
- iii.** Common framework to handle logging, exception handling, configuration
- iv.** Use JWT based Authorization
- v.** Use C# for code development
- vi.** Use Entity core framework
- vii.** Make sure Unit testing is done and code coverage in > 80 %

DB- Preferred DB is any Relational DB like SQL SERVER

If Possible, deploy this App in container-based system like Docker/Kubernetes (nice to have)

Expand the use case more if you want like Customer management, supplier management, payment etc. (All optional)