Technical Assessment

# Assessment Goals

The goal of the assessment is to determine the following:

1. Application Architecture.
2. Engineering practices and coding standards.
3. The use of the technology listed in the technology stack bellow.
4. Adhering to industry standards and best practice.

# Assessment Notes

Finishing the solution to its full potential is not required, each candidate must decide how much they willing to complete, however the candidate must ensure that there is sufficient code available to achieve Assessment goals 1 to 4.

# The Problem

The business has requested the development of a new system which allows users to register online and purchase a subscription to books listed in the online catalogue.

Only A registered user can purchase a subscription to any book available in the product catalogue.

A user can unsubscribe to any book a user currently has in their subscription.

The system should also allow 3rd party resellers to access the system or parts of the system through an Api over Http which provides the same functionality.

# Assignment output

1. Develop a Restful Api that contains service end-points for the problem scenario.
2. Develop a Web UI for the problem scenario

# Technology stack Choices (Please use latest version)

\*Note you are welcome to use similar technologies however, it would be best to check with the assessor first.

* .Net Framework
* Asp.Net Core
* C#
* Angular
* Node JS
* NSwag
* Swagger

# Additional information

## User

* Email address
* First Name
* Last Name

## Book

* Name
* Text
* Purchase Price