# Note:

I have implemented the assessment in the simplest way as I could by adding it to a single project. However, if the scope of the application is at bigger level we can add multiple project for each layer those are

* WebAPI Layer
* Service Layer
* Repository Layer

# Exception handling

By setting up Global exception handler

# Security

By Implementing Authorization and Authentication. I have managed to secure my application using JWT based authentication.

# API Documentation

It can be done by implementing Swagger to the WebAPI

# Testing

By adding Unit, Integration Test to our application

# Logging etc.

By implementing action filter to log activity in DB, or we can use ILoggerFactory for it.

# Fault tolerance

By using Cloud Services

# Scale

By using Cloud Services

# Performance

By making application async as much as you can.

By using best architectural techniques that focuses on performance.

# Maintainability

By integrating it with some DevOps