FORTRESSGB

One of our clients requested us to build a small UI that displays a list of members (season pass holders) and one-time game tickets that accessed the stadium given a **season and a game**, or a **product code**.

Exercise 1

We have already made a .NET Core project to get and return the data; however, it has not been built correctly.

The task will require you to refactor or rewrite the app. The implementation requirements are:

- Apply an appropriate design pattern to get, manipulate and return the data.
- Re-implement the **GetAttendanceListFor** method as it does not return correct data.
- Provide a way to get the attendance list both by **season and a game**, and by a **product code**.
- The API is not secure: anyone can use it. This vulnerability needs to be addressed.
- Write automatic tests.

Exercise 2

Create a simple front-end application using Angular 2+ that consumes the API and displays a list of **members/ticket barcodes** per **season and a game**, or **product**. The season and game combination should be selected using dropdowns. The product must be selected using a dropdown as well.