**JB Hi-Fi programming challenge**

Implement a RESTful API that performs CRUD operations (Create, Read, Update, and Delete) for a Product entity. We are interested in quality of solution over speed.

public class Product

{

public string Id { get; set; }

public string Description { get; set; }

public string Model { get; set; }

public string Brand { get; set; }

}

Your RESTful service should implement the following routes:

GET products

GET products/{id}

POST products

PUT products/{id}

DELETE products/{id}

We expect the following:

1) There is no restriction to programming language yet needs to be deployable to Azure in a severless manner

2) Implement some form of automated testing

3) Use some form of in-memory persistence

4) Apply some form of authentication and/or role based authorisation (provide us with details as to what and why)

5) Add filtering to the GET products route (e.g. filter by Description/Model/Brand)

6) Create a light weight UI to interact with the above API to demonstrate the function

Your solution should:

1) Be available in a public Git repository for us to browse with a README containing any instructions for running and/or testing as required