Create a web application using visual studio C#. (Use .NET Core and Code first approach preferable)

1. Authentication & Authorization

Create a login api (design a table structure and username and password). On login api which validate username and password.

* Request and response for success and failure scenario should cover.

On successful response, generate token and validate that on authorize api call.

This api call is Allow Anonymous.

In database create one table with some dummy data with username and password fields.

1. Create database or model for employee.

Employee

ID nvarchar(10)

Name nvarchar(50)

DOJ DateTime

DepartmentID int

Email nvarchar(30)

**ID: Should not null and it should generate based on following conditions**

First two characters of Employee name then DOJ year and last four digit any random number.

For Example

Name: Deven Sharma

DOJ: 15th March 2009

ID Should DE20090254 (First two digits or name, four dight of DOJ year and random four-digit number).

1. Create database or model for Department

Department

ID int

Name nvarchar(30)

1. Create following API(s) for Employee

Get All Employees

Response should return department name for each employee.

GetEmployeesBySearchName for example name like Tush, it should return All employees which name contains word Tush

Insert Employee

All above API(s) are secure and not allow without valid token.

1. Create following API(s) for Department

Update Department does not allow without valid token.