Instructions:

Use MySQL (Maria-DB)/MS SQL Server (2016) or above as Database.

• Use Repository Pattern for unit of work in this project.

• Use HTML5, CSS3, bootstrap 4 or above version, JavaScript, jQuery ajax,

• There should be search option.

• Use Asp .net Core web API (.NET 6 or 7 framework version) with ASP.NET Core

• (.NET 6 or 7 framework version).

Questions:

1: Registration and Login

a) Implement a user registration API endpoint that accepts user details (username, password, email) and

stores them securely.

b) Create a login API endpoint that authenticates users using the provided username and password.

2: OTP Verification (Email Only)

a) After successful login, generate and send a one-time password (OTP) to the user's email.

b) Create an API endpoint to verify the OTP sent to the user. After registration if user login then system

will ask for OTP code to complete email verification.

3: Certificate Creation (PDF & Print Only)

Admin User will Create a Certificate (It could be NOC or any other official certificate) you can choose any letter

format from internet.

[There should be Department (Id, Name), Employee (Id, Name, Department, Certificate) & Certificate table

(Certificate ID, Date, etc.]

a) Upon successful OTP verification, allow the user to create a certificate for an employee. The

certificate creation form should have employee selection option & only pdf attachment field.

b) There should be a list of certificates. And only the user who created the certificate can view, edit

the certificate.

c) And only the admin can download the certificate in pdf. Pdf file should contain all the information

of employee.