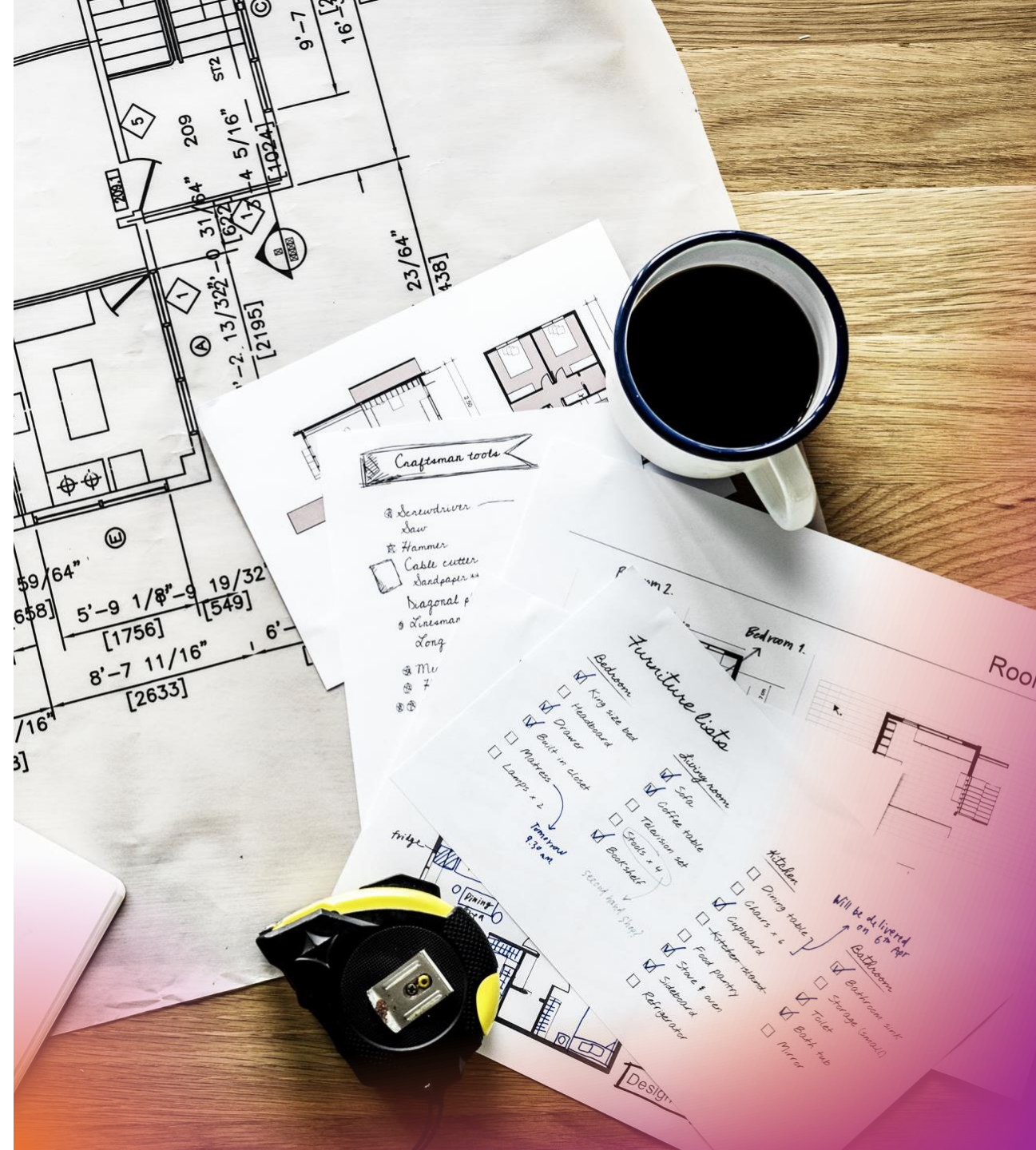# Final project overview

output

API & Website

- I have developed my API and Website on ASP.NET CORE MVC
- MS SQL Database
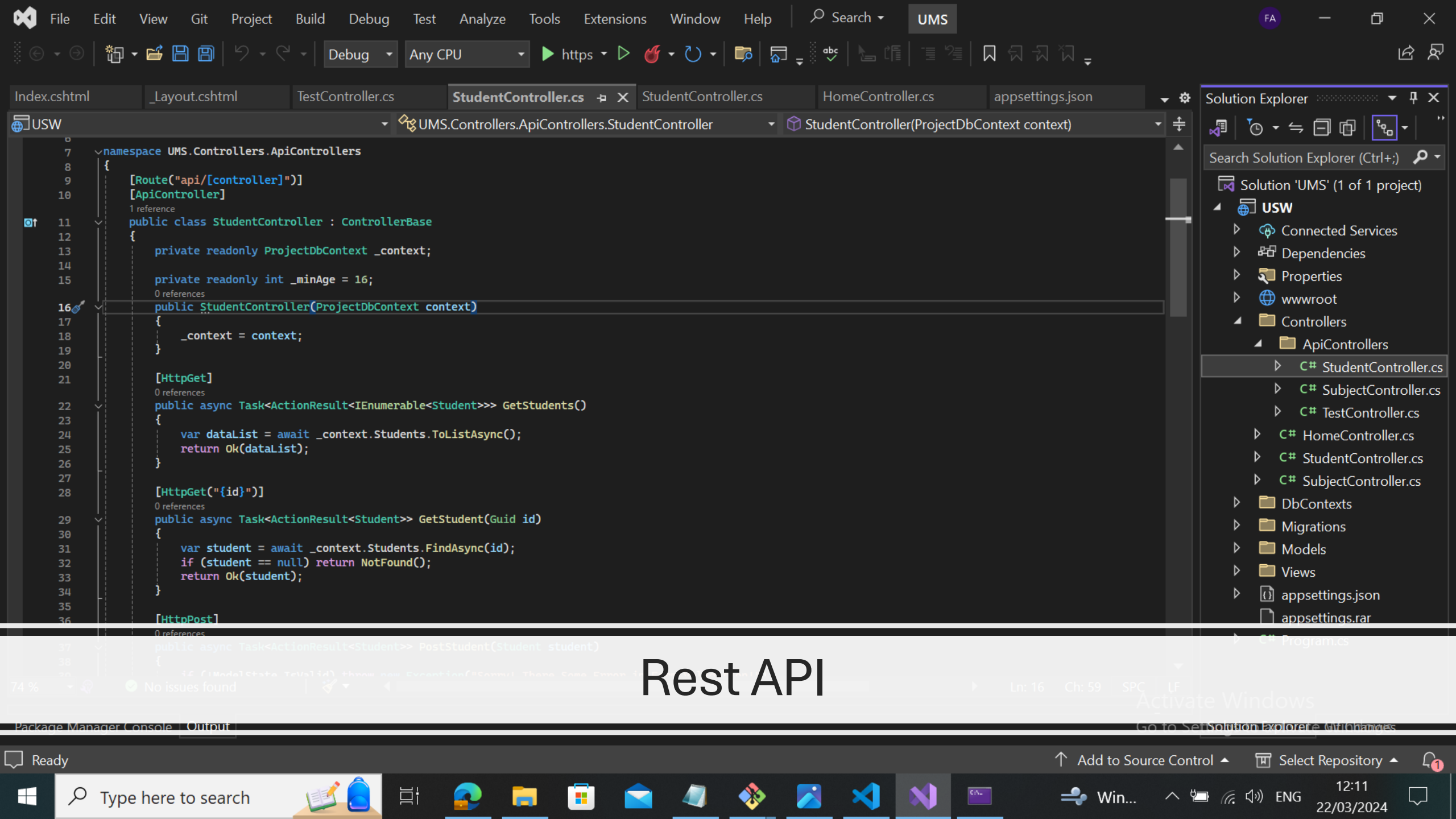- To manage my database I have used Entity Framework

Mobile app

- My android app developed on Ionic An open source mobile UI toolkit for building modern, high quality cross-platform mobile apps from a single code base in React.Vue.Angular.

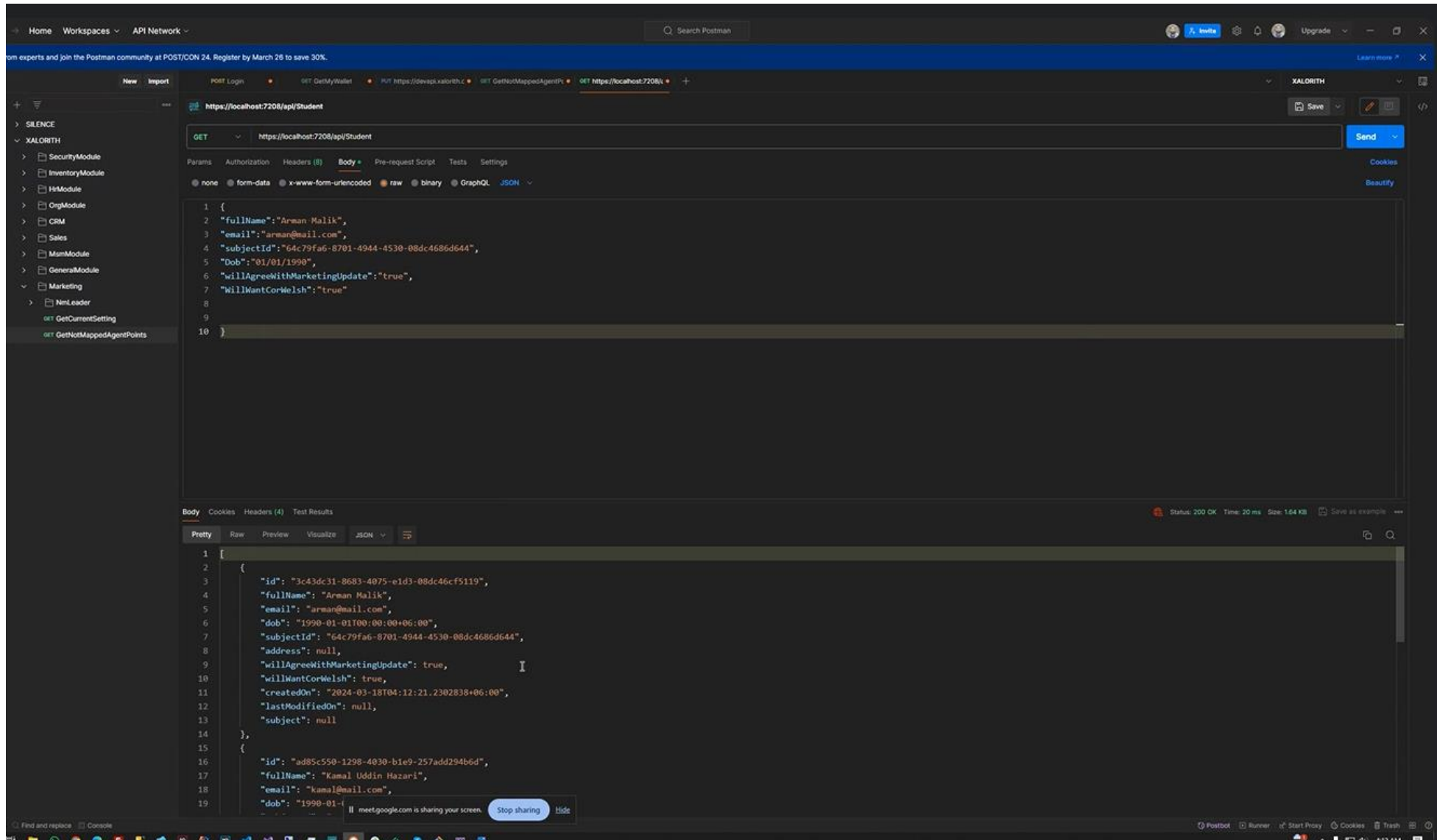# Project installation process (REST API & Web site)

- First do git clone

- Open my Api+web project on Visual studio

- Open App settings and change Connection String

- Then open CLI and run command of Entity framework comand to make update database design on your database command is "update database"

- Then go to your database and insert an Admen details

- Now run the project

Project installation process (Mobile App)

- First do git clone

- Open mobile app folder on Visual Studio code

- Add ionic Extension for run mobile app and debug

- Then run

File   Edit   View   Git   Project   Build   Debug   Test   Analyze   Tools   Extensions   Window   Help   Search   UMS

Debug   Any CPU   https

Index.cshtml   _Layout.cshtml   TestController.cs   StudentController.cs   StudentController.cs   HomeController.cs   appsettings.json

USW   UMS.Controllers.ApiControllers.StudentController   StudentController(ProjectDbContext context)

```csharp
namespace UMS.Controllers.ApiControllers
{
    [Route("api/[controller]")]
    [ApiController]
    1 reference
    public class StudentController : ControllerBase
    {
        private readonly ProjectDbContext _context;

        private readonly int _minAge = 16;
        0 references
        public StudentController(ProjectDbContext context)
        {
            _context = context;
        }

        [HttpGet]
        0 references
        public async Task<ActionResult<IEnumerable<Student>>> GetStudents()
        {
            var dataList = await _context.Students.ToListAsync();
            return Ok(dataList);
        }

        [HttpGet("{id}")]
        0 references
        public async Task<ActionResult<Student>> GetStudent(Guid id)
        {
            var student = await _context.Students.FindAsync(id);
            if (student == null) return NotFound();
            return Ok(student);
        }

        [HttpPost]
        0 references
        public async Task<ActionResult<Student>> PostStudent(Student student)
```

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'UMS' (1 of 1 project)
  USW
    Connected Services
    Dependencies
    Properties
    wwwroot
    Controllers
      ApiControllers
        C# StudentController.cs
        C# SubjectController.cs
        C# TestController.cs
      C# HomeController.cs
      C# StudentController.cs
      C# SubjectController.cs
    DbContexts
    Migrations
    Models
    Views
    appsettings.json
    appsettings.rar
    C# Program.cs

Rest API

74 %   No issues found   Ln: 16   Ch: 59   SPC   LF

Ready   Add to Source Control   Select Repository

Api call by postman

Home page of web site

Student registration and authentication

After Submission student details

Student Details

Full Name	Meher Afroz Liza
Email	meherafroz@gmail.com
Date of Birth	01/06/1996 12:02:00
Address	36 Crossways Road
Want Marketing Update?	YES
Want Cor. Welsh?	YES
Reg. Date	22/03/2024 12:04:19
Subject	CSE

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Activate Windows
Go to Settings to activate Windows.

Admin Login

Student list

Student Reg List

Create-New

Sl#	Student Basic Info	Others Info	Subject	Action
1	Name: Meher Afroz Liza Email: meherafroz@gmail.com DOB: 01-Jun-1996 Reg. Date: 22-Mar-2024 12:06:40 P Address: 36 Crossways Road	Marketing Update?: **YES** Cor. Welsh?: **YES**	EEE	Edit | Details | Delete
2	Name: Fahad Ahsan Email: fahadahsan151914@gmail.com DOB: 01-Jan-1990 Reg. Date: 18-Mar-2024 10:25:17 A Address: 36 Crossways Road	Marketing Update?: **YES** Cor. Welsh?: **YES**	CSE	Edit | Details | Delete
3	Name: Ashikur Rahman Email: ashik@gmailcom DOB: 01-Sep-1989 Reg. Date: 22-Mar-2024 12:32:52 P Address: Barmingham,UK	Marketing Update?: **YES** Cor. Welsh?: **YES**	CSE	Edit | Details | Delete
4	Name: Mamun Hussain Email: mamun@gmail.com DOB: 01-Jun-2000 Reg. Date: 22-Mar-2024 12:31:54 P Address: London,UK	Marketing Update?: **YES** Cor. Welsh?: **YES**	MBA	Edit | Details | Delete

Activate Windows
Go to Settings to activate Windows.

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Student details edit

Student Reg List

Create-New

Sl#	Student Basic Info	Others Info	Subject	Action
1	Name: Meher Afroz Liza Email: meherafroz@gmail.com DOB: 01-Jun-1996 Reg. Date: 22-Mar-2024 12:38:33 P Address: 36 Crossways Road	Marketing Update?: YES Cor. Welsh?: YES	EEE	Edit | Details | Delete
2	Name: Fahad Ahsan Email: fahadahsan151914@gmail.com DOB: 01-Jan-1990 Reg. Date: 18-Mar-2024 10:25:17 A Address: 36 Crossways Road	Marketing Update?: YES Cor. Welsh?: YES	CSE	Edit | Details | Delete
3	Name: Ashikur Rahman Email: ashik@gmailcom DOB: 01-Sep-1989 Reg. Date: 22-Mar-2024 12:32:52 P Address: Barmingham,UK	Marketing Update?: YES Cor. Welsh?: YES	CSE	Edit | Details | Delete
4	Name: Mamun Hussain Email: mamun@gmail.com DOB: 01-Jun-2000 Reg. Date: 22-Mar-2024 12:31:54 P Address: London,UK	Marketing Update?: YES Cor. Welsh?: YES	MBA	Edit | Details | Delete

Activate Windows

Name and subject changing

Updated Student

Now About my hybrid mobile app

Student registration

- This is my single page app