## Project Structure

### Common

#### Logging

* Files

### Constants

* + - EventCodes.cs (define event code constants here)
    - Messages.cs (Optional: for user-facing or internal message strings)

### Controllers

* + - UserController.cs

### Services

#### Interfaces

* + - IUserService.cs

#### UserService.cs

### Repositories

#### Interfaces

* IUserRepository.cs

***UserRepository.cs***

### Data

#### Interfaces

* IDatabaseService.cs

#### SqlDatabaseService.cs

### Models

#### Requests

* RegisterRequest.cs

### Program.cs

### appsettings.json

## Folder Explanation:

* Controllers ASP.NET Core API endpoints
* Services: Business logic layer
* Repositories : Data access patterns (calls to DB, via abstraction)
* Data: Infrastructure-level logic, like direct DB access via ADO.NET
* Models/Requests : Request/response DTOs
* Interfaces (nested) Keeps interfaces close to where they’re implemented, but clearly separated