## Project Structure

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├── Controllers/

│ └── UserController.cs

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├── 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