

Interview Test App

Web React App



October 29, 2022

Shoaib Ijaz

Contents

[Document Scope 2](#_Toc117977324)

[System Environment 2](#_Toc117977325)

[Authentication and Authorization 2](#_Toc117977326)

[Design Approach 2](#_Toc117977327)

[Solution Structure 3](#_Toc117977328)

[Database Design & Tables 3](#_Toc117977329)

[Table - AspNetUsers 4](#_Toc117977330)

[REST API Endpoints – Request & Response 4](#_Toc117977331)

[Default Login Details 4](#_Toc117977332)

# Document Scope

This document provides a description of the technical details web app. This document provides an architectural overview of the system to depict different aspects of the system.

# System Environment

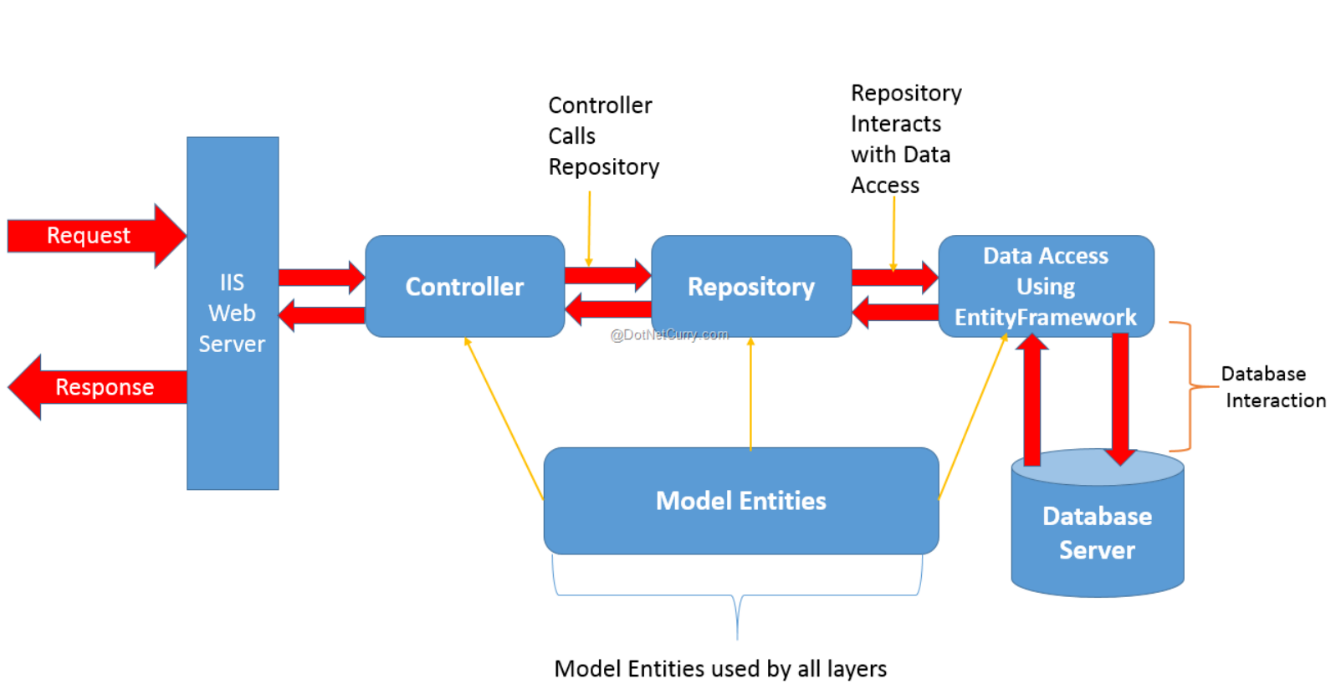
|  |  |
| --- | --- |
| **JavaScript Framework** | ReactJS - 18.2.0 |
| **Theming Framework** | Semantic-UI React |
| **HTTP Client** | Axios |
| **State Management** | MobX |
| **DateTime Library** | MomentJs |
| **IDE** | Visual Code |
| **Development OS** | Windows 10 |
| **Version Control** | Git, Github.com |

# Authentication and Authorization

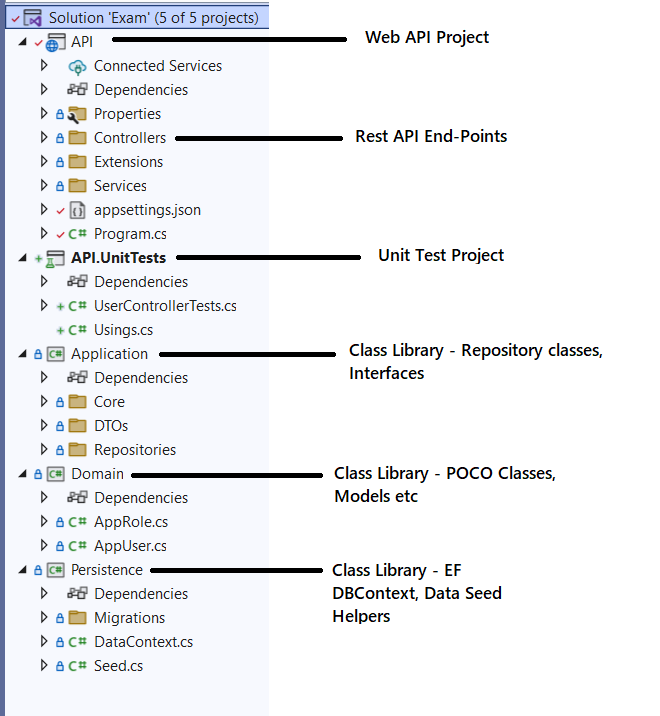
This application is using the **ASP.NET Core Identity** for membership system and manages users, passwords, profile data, roles, claims and tokens.

Rest API End-Points authenticate the user via JWT (**JSON Web Token)** scheme**.**

# Design Approach

This application is developed with **Repository Pattern** approach.

# Solution Structure



# Database Design & Tables

The major database table is **AspNetUsers** that is mapped with Entity-Framework model AppUser (Domain Class Library)

## Table - AspNetUsers



# REST API Endpoints – Request & Response

API documentation has been provided in separate document

# Default Login Details

{

  "password": "Pa$$w0rd",

  "email":"bob@test.com"

}