Architecture

The technologies used are **Angular 8** for the client and **.Net Core 3.0/Sql Server** for the server. The architecture is mainly based on repository pattern, and the data are retrieved by **Entity Framework Core**.

The server uses Json Web Tokens for the authentication procedure and the user passwords are encrypted to a SHA256 hash before saving to the database. SQLite database engine is used for persistence.

Unit tests are also included.

Deployment

Server machine requirements:

  -Net Core 3.0 Runtime & Hosting Bundle

  -IIS properly configured

Client deployment Requirements

  -The node packages which are excluded from the Git repository (**npm install** before **ng - build**)

  -**API url** inside the environment

  -IIS properly configured for the client serving machine