Technology Stack

* Web client – Angular 6 JS Framework
* Web server - ASP.Net Core Web API
* ORM tool – Entity framework core
* Authenticate user – Identity server 4
* Unit test – MS Test
* Database – SQL Server 2017
* Azure Service
* Web App - Identity server / Web API / Angular app
* Blob Storage – File save
* Web job – File import background service
* Service bus queue – Pass details from web server to background service
* Key vault – Manage connection string securely

Demo - Azure hosted application

* Url - <https://webminuri.azurewebsites.net/>
* Login details
  + Admin user

Username: Admin

Password: Ab34Minuri@#

* + Other user

Username: OtherUser

Password: L3k5Minuri@#

Installation

* Clone project from github (<https://github.com/Minuri-Rajapaksha/Assignment.git>)

Frontend

* Install nodejs (latest)
* Go to folder - Source/Web (you can use VsCode or CMD for run below commands)
* npm install
* npm run start
* <http://localhost:5896> - browse link

BackEnd

* Go to folder – Source (Open solution using Visual studio 2017)
* Change following in WebApi project
  + Set your database connection string to *ApplicationConnection* in *appsettings.Development.json*
  + Set your local folder path to save uploaded document when upload account balance document. Appsettings key (*FolderPath*) in *appsettings.Development.json*
* Change following in IdentityServer project
  + Set your database connection string to *IdentityConnection* in *appsettings.Development.json*
* Restore nuget packages in solution
* Build and run Identity server and API both projects (both project set as a startup project)
* Use below to login to system (use same credential which mention above)
  + Admin user

Username: Admin

Password: Ab34Minuri@#

* + Other user

Username: OtherUser

Password: L3k5Minuri@#

Development Practices

* Modularization
* Dependency injection
* Decoupling
* Repository pattern
* Unit of Work
* Database Factory

Features

* Support localization
* Migrations enabled
* Error logging
* Swagger documentation : <https://webapiminuri.azurewebsites.net/>swagger