**Some explanation of what I did:**

I did not install .Net Core on my private laptop, so it was impossible to implement the assessment with .Net Core, then I did it with .Net framework. If it is necessary, I will implement its .Net Core version, if you ask.

Anyway, the implementation of the architecture, services, views, models, view models and helper tools is the same as the .Net Core version, but its Dependency Injection approach is different.

I have implemented View List, Search, Pagination, Export to csv, Create, Remove.

I provided two other views (services and customers) to show the singleton functionality of employee list (The content of employee list does not change when changing the view to customers or services and returns to employees). I have implemented this design pattern through DI. Although there are many ways to implement it.

**Specifications**

**Language and Platform:** C#, .Net Framework 4.6.2

**Dependencies:**

|  |  |
| --- | --- |
| **File name** | **Usage** |
| Microsoft.Practices.ServiceLocation.dll | It is used for Dependency Injection |
| Microsoft.Practices.Unity.dll | It is used for Dependency Injection |
| Moq.dll | It is used to Mock services in unit tests |
| Newtonsoft.Json.dll | It is used for serializing objects. |

\* All referenced assemblies provided within a folder that is named dependencies in solution folder.

**Solution projects:**

|  |  |
| --- | --- |
| **Name** | **Description** |
| NetTest1V4\_UPS | Presentation Layer |
| NetTest1V4\_UPS.DataServices | It is used to implement the communication of the presentation layer with the web api. |
| NetTest1V4\_UPS.DataServices.Tests | It tests NetTest1V4\_UPS.DataServices projects. |
| NetTest1V4\_UPS.IOC | The IOC base classes that are used in both of NetTest1V4\_UPS, NetTest1V4\_UPS.DataServices.Tests projects |
| NetTest1V4\_UPS.Models | The models are defined in this project. |
| NetTest1V4\_UPS.Tools | It contains helper tools. For example, a helper class that is used for export employees to csv file. |

Best regards.

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