1. Elasticsearch database

In this project I use elasticsearch 7.0

* 1. **Install Elasticsearch**

(Reference: <https://www.elastic.co/guide/en/elasticsearch/reference/current/getting-started-install.html>)

Download elasticsearch.zip file and then extract it.

Then run “bin/elasticsearch.bat “.

* 1. **Insert data to elasticsearch**
     1. install elasticsearch python package

(Reference : https://elasticsearch-py.readthedocs.io/en/master/)

intall elasticsearch package using pip:

>*pip install elasticsearch*

* + 1. Run python script
* Run “ElasticSearch/script.py” script to insert data

*>cd ElasticSearch*

*>python script.py*

To test, you can run “ElasticSearch/test.py” script.

* 1. **Search data from elasticsearch service**

(Reference: https://mindmajix.com/elasticsearch/curl-syntax-with-examples)

Using curl request, send query request to elasticsearch service and receive JSON

Default elasticsearch service url is : <http://localhost:9200/>

* + 1. Python

(Reference : <https://elasticsearch-py.readthedocs.io/en/master/>)

Run “ElasticSearch/test.py” script to read data

*>cd ElasticSearch*

*>python test.py*

* + 1. .net

(Reference : <https://www.elastic.co/guide/en/elasticsearch/client/net-api/current/elasticsearch-net-getting-started.html>)

1. UNO application for UWP and WASM
   1. **Configuration Visual Studio**

Download Uno platform solution templates addin from <https://marketplace.visualstudio.com/items?itemName=nventivecorp.uno-platform-addin>

Install “UnoPlatform-1.43.1.826.vsix”.

* 1. **Creation of Uno platform solution**

(Reference : <https://github.com/nventive/Uno.QuickStart>)

I created UNO platform solution named “UnoTest”.

I removed android and ios project in this solution.

* 1. **Build and Run**
     1. UWP
* NuGet package configuration

To use telerik datagrid, I add NuGet package source on NuGet package manager.

(Reference : <https://docs.telerik.com/devtools/aspnet-ajax/installation/installing-the-telerik-controls-from-nuget-package>)

* Build and Run with visual stduio

Set the UnoTest.UWP (Universal Windows) project as StartUp project.

Then build and run.

* Store package and install

To publish UWP and use it on other pc please follow up the reference

(Reference : <https://docs.microsoft.com/en-us/windows/uwp/packaging/packaging-uwp-apps>)

* + 1. WASM

Set the UnoTest.Wasm project as StartUp project.

Then build and run.

If it’s not flexible to contact me on freelancer, you can contact me on skype

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