

StockReport

Project Setup Instructions

Changes Needed to Run the Code

- 1. Download Input Files
 - o Download the input files for USA/Canada and extract them to a desired location.
- 2. Download DataLoader Scripts
 - o Download the DataLoader Python scripts and extract them to a desired location.
- Ensure Python 3.12 or above is installed on your system.
 - 4. Set Up Python Environment
 - Open Command Prompt and navigate to your Python installation directory:

☐ README

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cd C:\Users\Admin\AppData\Local\Programs\Python\Python313

5. Install Required Packages

• Run the following commands to install necessary packages:

```
pip install pyodbc
pip install pandas
```

• If you encounter issues with pip, you might need to enable the environment variable:

Steps to Enable Environment Variable

a) Open the System Properties window by pressing windows key + R, typing sysdm.cpl, and pressing Enter. b) Go to the **Advanced** tab and click on **Environment Variables**. c) In the **System variables** section, find the Path variable and click **Edit**. d) Add the path to your Python Scripts folder (e.g., C:\Python39\Scripts).

6. Update Loader.py File

- Open the Loader.py file from the DataLoader folder.
- At lines 6 and 8, replace the input path with your file paths for USA and Canada. Make sure to change backward slashes to forward slashes before pasting.

```
#dir_path_usa = 'C:/Users/mukil/OneDrive/Documents/Projects/DataEngineering/Input/USA/'
dir_path_usa = 'C:/Users/Admin/Downloads/USA/'
#dir_path_can = 'C:/Users/mukil/OneDrive/Documents/Projects/DataEngineering/Input/Canada/'
dir_path_can = 'C:/Users/Admin/Downloads/Canada/'
```

7. Update SqlHelper File

• Open the SqlHelper file and replace the server at line 6 with your SSMS server.

```
Server=DESKTOP-xyzs;
```

8. Update appsettings.json

- Open the Visual Studio solution and go to appsettings.json.
- Update the connection string with your local server.

9. Update MYAppDbContext.cs

- Open MYAppDbContext.cs file under the Model folder.
- Update the server name at line 22.

10. Update StockReportRepository.cs

- Open StockReportRepository.cs file.
- Change line 41 with your Python path.

```
string pythonInterpreter = @"C:\Users\Admin\AppData\Local\Programs\Python\Python313\python.exe";
```

• Change line 47 with your loader.py path.

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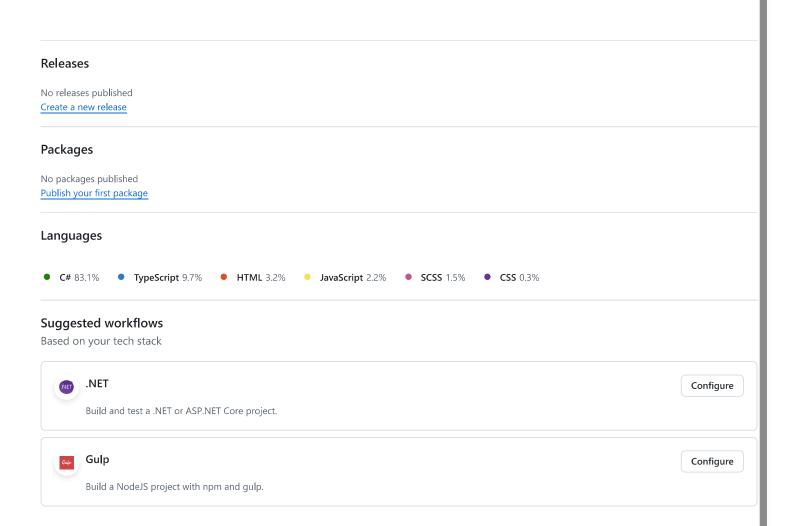
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string scriptPath = @"C:\Users\Admin\Downloads\DataLoader\Dat";

11. Ui set up

Steps to run the angular UI code:

- Install NodeJs Latest version
- Install Angular Js latest version
- Set up environment variable (eg : C:\Users\deepu\AppData\Roaming\npm)
- install python and check python --version in cmd
- pip --version
- run this in cmd pip install pyodbc
- run this in cmd pip install numpy
- run this in cmd pip install pandas
- Open angular application in visual code. open Terminal. --> Cmd command to check whether angular installed: ng version
- Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy RemoteSigned
- run npm install openssl
- run cd stockreport.client
- ng build ng serve -->(click on the given link)



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