|  | |  | |
| --- | --- | --- | --- |
|  |  |  |  |

# Purpose

The purpose of this document is to describe a technical task part that developed by Yousef Ashmawy.

# Project Parts

This project contains four major parts as below:

1. Solution folder Core that contains:
   1. Domain : A class library project will host enterprise wide entities, db context etc.
   2. Infrastructure : A class library project responsible for external infrastructure communications and all interfaces in one place
   3. Application : A class library project responsible of all services business logic

A close-up of a website

Description automatically generated

1. Solution folder Services that contain:
   1. Worker service that will be responsible of reading files Json files that contains drivers’ data and store it in database.
2. Solution folder Simulator that contains:
   1. Desktop application working as simulator to generate Json files contains drivers’ data.
3. Solution folder UnitTests that contain:
   1. UnitTests working as Unit Test for web api
4. Solution folder Web that contains:
   1. Wab Api project that have all api that will be requested from front app
5. Solution folder open in VS Code:
   1. Front app calling web apis to view listed required.

A screenshot of a computer

Description automatically generated

# Task Details

* Data Simulation with Sample Data by Desktop application working as simulator.
* Worker service that will be responsible of reading files Json files that contain drivers’ data and store it in PostgreSQL database.
* PostgreSQL database views that will view lists as data from TachographRecord table.
* Web Api presents all data required from front to view lists.
* Web APP presents all data in lists.

# Task in GitHub

* Front app upload without node\_modules to retrieve it after download you need to nun (npm I) after open it in vs code
* postgresql-script.txt contain database script.

A screenshot of a computer

Description automatically generated