**Instruction to Run the Program**

1. Pull the Source code from Git repository to local path.
2. Navigate to $\TaxCalculator\Congestion\_Tax and open the Congestion\_Tax.sln preferable in Visual Studio 2019 (any IDE which supports .Net core service to run)
3. Check all the dependencies are loaded.
4. I have used NuGet package EPPlus(5.8.6) to read the external excel file which holds the Rule set for the given city.
5. Navigate to $\TaxCalculator\Congestion\_Tax\Tax.Rules.Engine\TaxRuleEngine.cs and change the external file location of variable ‘fileName’ according to your local map.
6. Click on the Run button to the run the program.
7. Note down the port number => <http://localhost:47750/tax>
8. We can test the API using different methodology. I have used Postman to verify the API.
9. Download/Open Postman
10. We can get the Tax to be paid for the given vehicle using the below API’s with Parameter ( as shown in Picture below)
11. **Get Request** => <http://localhost:47750/api/Tax/GetTaxForCar>

<http://localhost:47750/api/Tax/GetTaxForMotorbike>

1. **Parameter =>**

{

"TravelDateList" :

[

"2013-01-14 21:00:00",

"2013-01-15 21:00:00",

"2013-02-07 06:23:27",

"2013-02-07 15:27:00",

"2013-02-08 06:27:00",

"2013-02-08 06:20:27",

"2013-02-08 14:35:00"

]

}

