1. **Design**

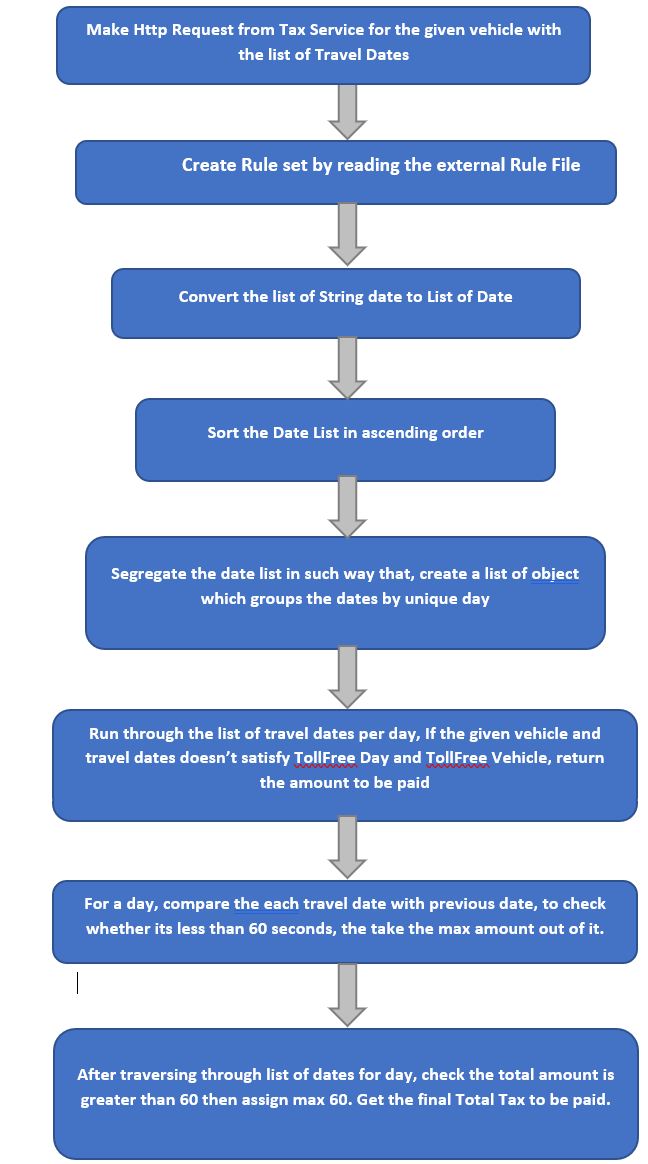
High Level Design Overview

Diagram

Description automatically generated

* 1. **Detailed design Description**
* Assignment is completed using .Net core.
* I have used Microsoft excel file as an external document which holds the Tax rule for the specific City.
* **Tax.Calculator.Service** => Defines the List of API to be called for each Vehicle and for the given list of travel dates.
* **Tax.Rules.Engine =>** This is a rule engine class library which read the external Rule set document and created List of Object having Start time, End Time and the Amount to be charged.
* **Tax.Calculator.Helper =>** Helper class holds the business logic to calculate the total amount to be paid for the given list of travel dates. It takes an input from Rules engine to analyze the tax amount.
* **Tax.Entity.Common =>** This is an entity common library holds the Class object defined for the tax calculation logic.

1. **Algorithem**

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