Test task

Task:

Create the test App for the calculation of the payable time of drivers. Payable is the time when at least one passenger is in the vehicle. The vehicle can contain several different passengers at the same time.

Requirements:

1. UI Page:

    a. Data Table: Trips

        i. Columns - all from the DB

        ii. Features: search, ordering

    b. Data Table: Drivers

        i. Columns: Driver, Payable Time (minutes)

        ii. Features: search, ordering

    c. Button: Calculate Payable Time

        i. When the button is clicked

           then Payable Time is calculated and filled in the table

2. Optimize the performance of the calculation

    a. Consider using multithreading as one of the optimization ways.

3. Write unit tests for the calculation.

4. Technologies:

    a. .NET

        i. Web Service

        ii. .NET core

        iii. DI

    b. Angular

        i. UI Library: Telerik (https://www.telerik.com) (preferable) or another library

        ii. NGXS (preferable) or another state management pattern

        iii. Use best practices