# Abstract

The goal of this REST Api implementation is to provide user options, to do CRUD operations for vehicles, as well as to do reservations for specific vehicles.

# Tech Stack

Solution was made in .net6 by request with proper tests, and in Onion(Clean) Architecture

Also there is implementation of Mediator pattern (Mediatr) as well as implementation of FluentValidation and AutoMapper.

# API Endpoints

## Vehicle

### GET /Vehicle

### POST /Vehicle

Body example:

{

"model": "Pegout",

"maker": "307",

"uniqueId": "C5"

}

### PUT /Vehicle

Body example:

{

"model": "Peugeot",

"maker": "307",

"uniqueId": "C5"

}

### DELETE /Vehicle/{id}

Id: string => Mandatory

## Reservation

### GET /Reservation

### POST/Reservation

Body example:

{

"startFrom": "2023-01-20T21:38:31.687Z",

"endTo": "2023-01-20T21:38:31.687Z",

"vehicleId": "C1"

}