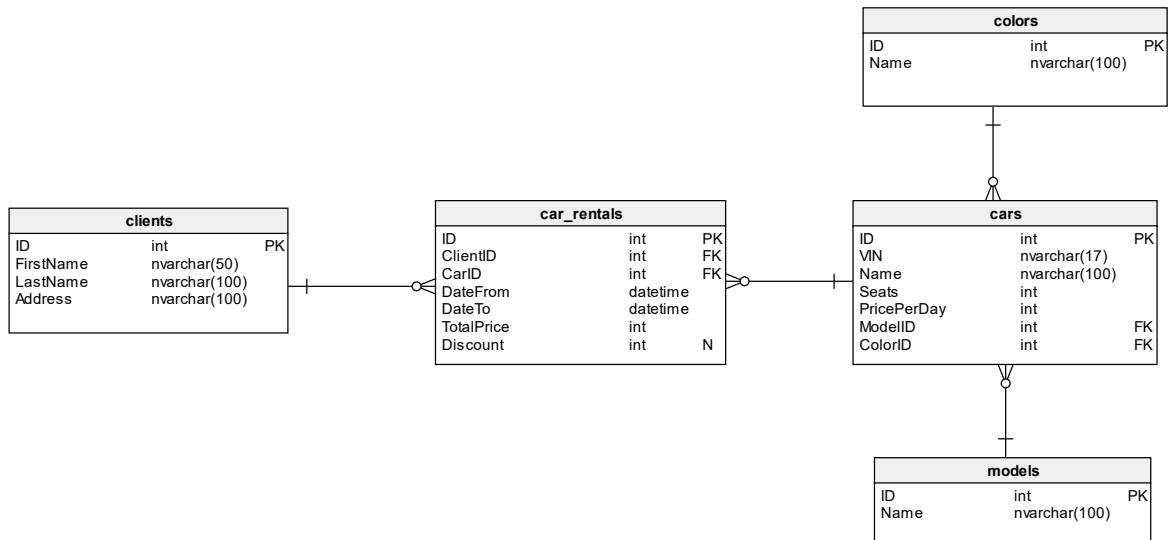


Test 1 - retake

The tasks should be done in the Web API project using the library - **SqlClient**.

Create a .NET webapi that meets the following objectives:

The API will operate on the following database, which contains data on car rentals.



Endpoints

1. Design an endpoint that will return the data of a customer with the given id and all his car rentals. The endpoint should respond to a query to the following address `api/clients/{clientId}` e.g.

HTTP GET `http://localhost:5000/api/clients/1`

Examples of the data that will be returned:

```
{
  "id": 1,
  "firstName": "Jan",
  "lastName": "Kowalski",
  "address": "Koszykowa 86",
  "rentals": [
    {
      "vin": "2D4HN11EX9R686008",
      "color": "white",
      "model": "Toyota",
      "dateFrom": "2024-06-24T00:00:00",
      "dateTo": "2024-06-28T00:00:00",
      "totalPrice": 480
    },
    {
      "vin": "2D4HN11EX9R686008",
      "color": "white",
      "model": "Toyota",
      "dateFrom": "2024-07-01T00:00:00",
      "dateTo": "2024-07-05T00:00:00",
      "totalPrice": 240
    },
    {
      "vin": "JTDBR32E630013672",
      "color": "black",
      "model": "Skoda",
      "dateFrom": "2024-08-01T00:00:00",
      "dateTo": "2024-08-10T00:00:00",
      "totalPrice": 1700
    }
  ]
}
```

2. Design an endpoint through which a new client can be added along with a car rental. The endpoint should respond to a query to the following address `api/clients/` e.g.

HTTP POST `http://localhost:5000/api/clients`

- Check whether the car exists
- TotalPrice should be calculated from the DateTo and DateFrom fields

Examples of the data that is sent with the request:

```
{
  "client": {
    "firstName": "John",
    "lastName": "Yakuza",
    "address": "Tenkaichi Street"
  },
  "carId": 1,
  "dateFrom": "2024-06-24",
  "dateTo": "2024-06-26"
}
```