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## **Vehicle Rental Management System**

### **Entities:**

1. Agency
2. Customer
3. Vehicle

### **Controllers Implemented:**

1. Agency
2. Customer
3. Vehicle
4. Rent Details
5. Status

## Functionalities of each controller:

1. **Agency:** - Agency is the authorized one. Admin can retrieve Vehicle details and can add, update and delete data. Also, Admin can retrieve rent details And Status data from model.

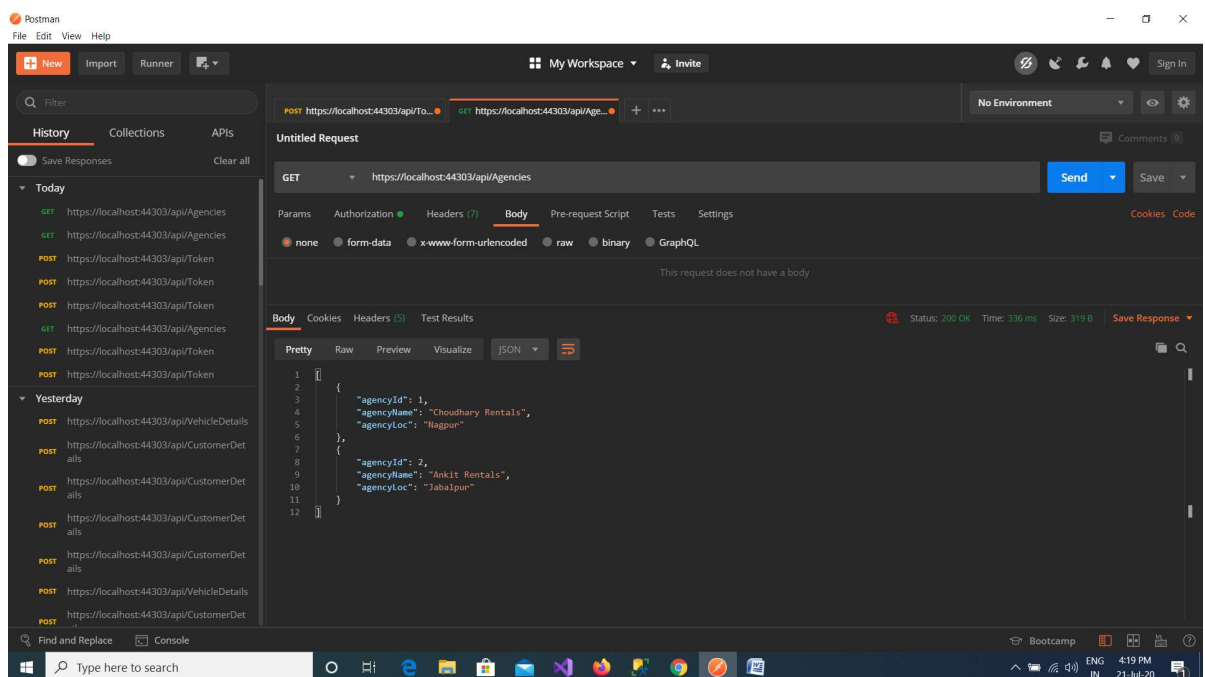
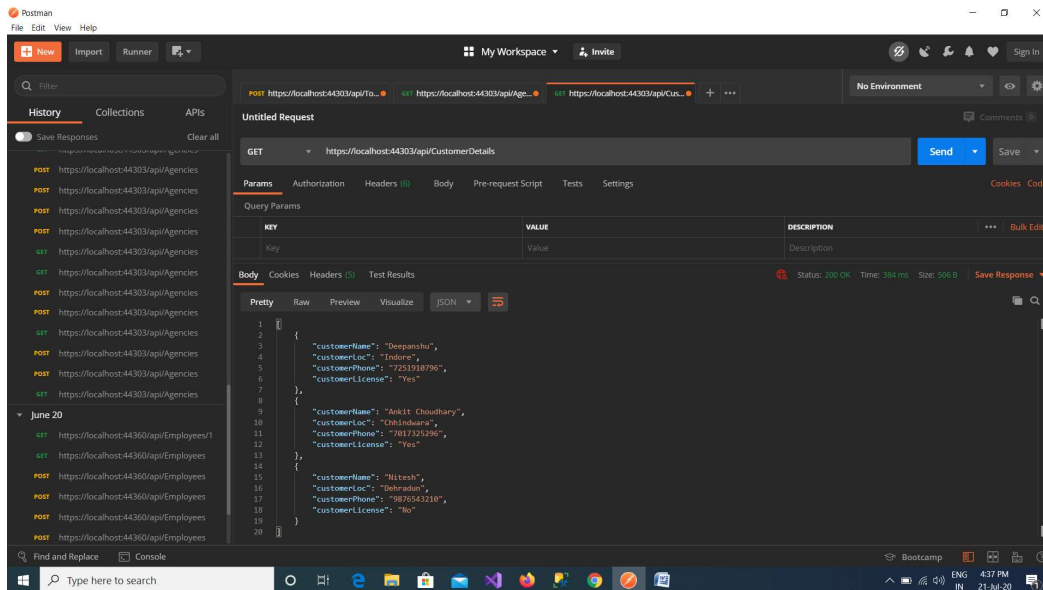


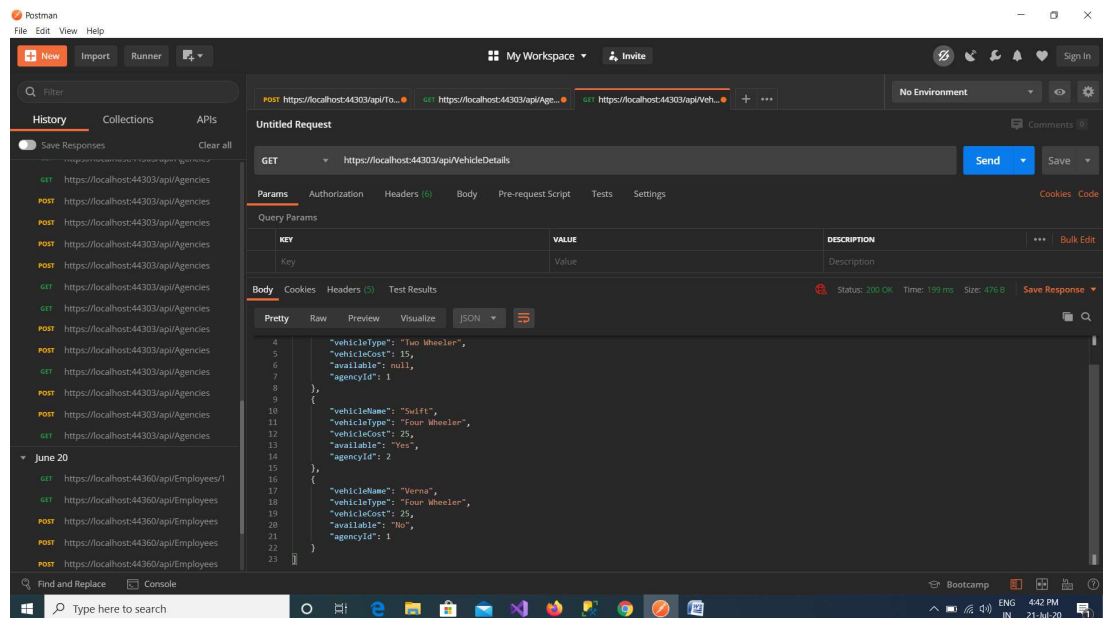
Fig: Agency controller

2. **Customer:** - Customer Controller can retrieve data of Customer and can add or update new customer data and can delete the previous data if not needed.



**Fig: Customer Controller**

- Vehicle:** - Vehicle Controller can retrieve Vehicle's information, whether it is available or not and its status n details can be changed by agency.



**Fig. Vehicle Details**

4. **Rent Details:** - Rent details Controller will retrieve data from Customer and Vehicle model and assigns Customer vehicles for rent by checking it is available or not.

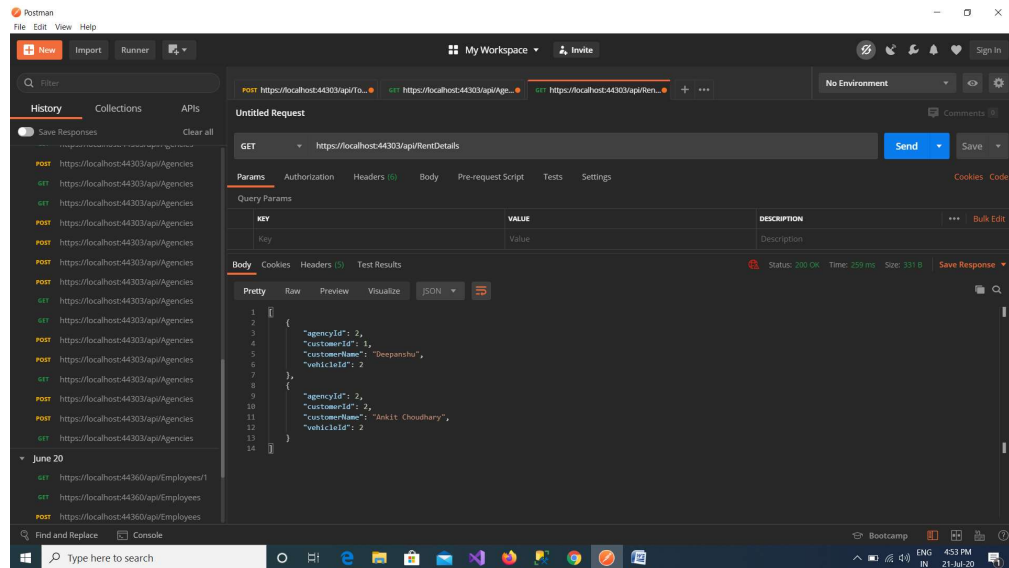
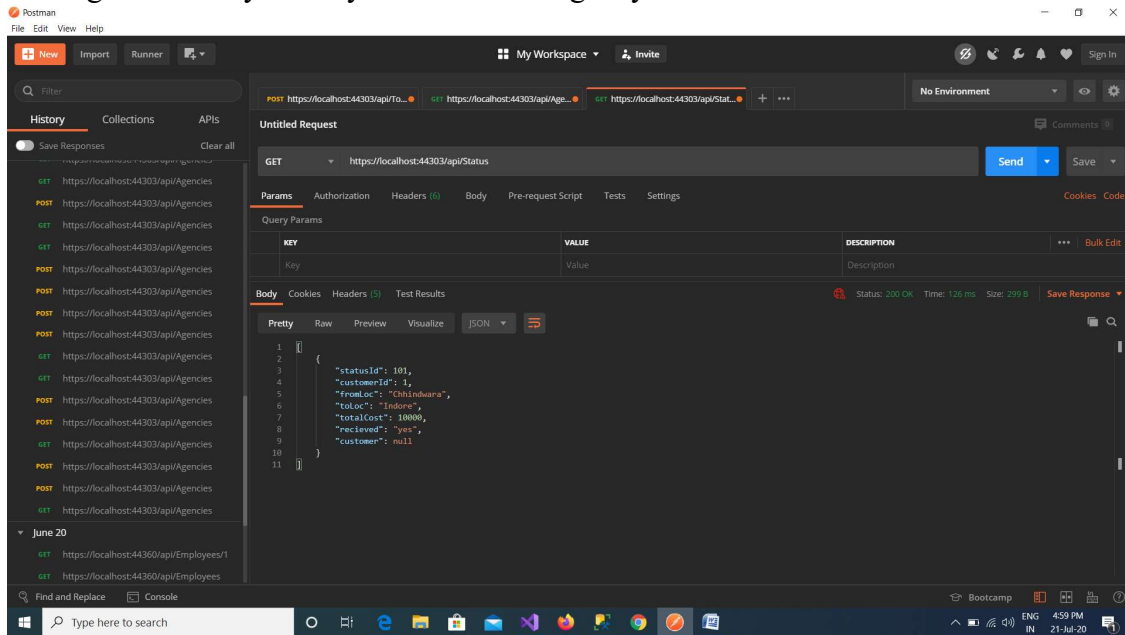


Fig: Rent Details

5. **Status Controller:** Status controller with give the details where the vehicle rented is being received by the city branch of that agency or not and basic information.



**Fig 5. Status Controller**

## Conclusion:-

By using Entity Framework Data from Database has been scaffolded into models.

From those models, data is used by the API's (Controller) to function assignments of vehicle to customers and maintain the details.