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IPD-18 Web Services Development | Final Project
REST API on AdventureWorks DB Sales Schema
March 23 2020

# Basic CRUD methods apply to the following tables:

SalesTaxRate | SalesPerson | SalesTerritory | SalesReason | SalesOrderHeader | SalesOrderDetail

METHOD	URI	ACTION	IMAGE#
GET	api/Model	Return all Models	A1
GET	api/Model/{id}	Return one Model	A2
POST	api/Model	Create a Model	A3
PUT	api/Model/{id}	Modify a Model	A4
DELETE	api/Model/{id}	Delete a Model	A5

# Additional Methods for sub-resources by table:

## SalesTerritory:

METHOD	URI	ACTION	IMAGE#
GET	api/SalesTerritory/{id}/ SalesPerson	Return all SalesPeople associated with one SalesTerritory	B1
GET	api/SalesTerritory/{id}/ SalesOrderHeader	Return all SalesOrderHeaders associated with one SalesTerritory	B2

#### SalesReason:

METHOD	URI	ACTION	IMAGE#
GET	api/SalesReason/{id}/ SalesOrderHeader	Return all SalesOrderHeaders associated with one SalesReson	C1

#### SalesOrderDetail:

METHOD	URI	ACTION	IMAGE #
GET	api/SalesOrderDetail/{id}/ SalesOrderHeader	Return the SalesOrderHeader belonging to a SalesOrderDetail	D1

## SalesPerson:

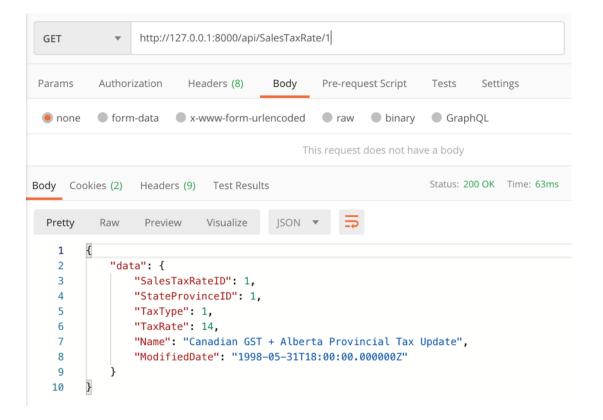
METHOD	URI	ACTION	IMAGE#
GET	api/SalesPerson/{id}/ SalesTerritory	Return the SalesTerritory of a SalesPerson	E1
GET	api/SalesPerson/{id}/ SalesOrderHeader	Return all SalesOrderHeaders associated with one SalesPerson	E2
GET	api/SalesPerson/{id}/ SalesQuotaHistory	Return all SalesPersonQuotaHistories associated with one SalesPerson	E3
POST	api/SalesPerson/{id}/ SalesQuotaHistory	Create a SalesPersonQuotaHistory	E4
DELETE	SalesPerson/{salesPersonId}/ SalesQuotaHistory/ {salesQuotaDate}	Delete a SalesPersonQuotaHistory	E5

### SalesOrderHeader:

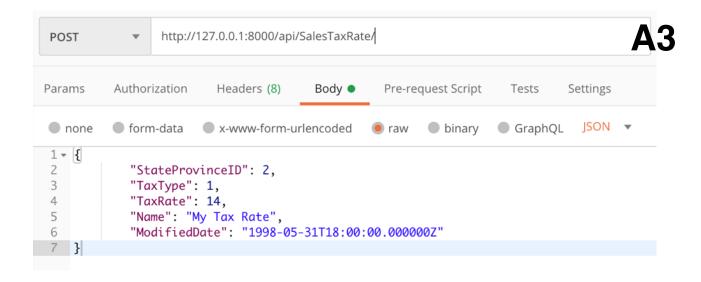
METHOD	URI	ACTION	IMAGE #
GET	api/SalesOrderHeader/{id}/ SalesTerritory	Return the SalesTerritory of one SalesOrderHeader	F1
GET	api/SalesOrderHeader/{id}/ SalesPerson	Return the SalesPerson of one SalesOrderHeader	F2
GET	api/SalesOrderHeader/{id}/ SalesOrderDetail	Return all SalesOrderDetails belonging to one SalesOrderHeader	F3
GET	api/SalesOrderHeader/{id}/ SalesReason	Return all SalesReasons associated with one SalesOrderHeader	F4
POST	api/SalesOrderHeader/ {salesOrderId}/SalesReason/ {salesReasonId}	Add a SalesReason to a SalesOrderHeader	F5
DELETE	api/SalesOrderHeader/ {salesOrderId}/SalesReason/ {salesReasonId}	Remove a SalesReason from a SalesorderHeader	F6

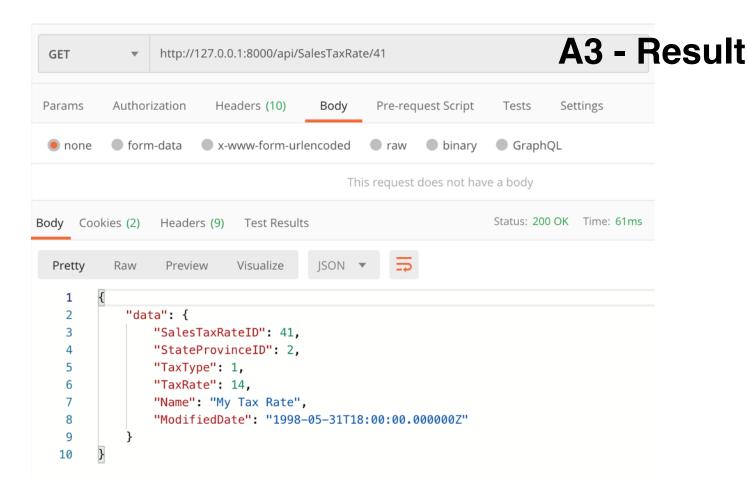


```
http://127.0.0.1:8000/api/SalesTaxRate/1
  GET
 Params
            Authorization
                           Headers (8)
                                           Body
                                                   Pre-request Script
                                                                                Settings
           form-data
 none
                         x-www-form-urlencoded
                                                   raw
                                                           binary
                                                                       GraphQL
                                                This request does not have a body
                                                                       Status: 200 OK Time: 63ms
Body Cookies (2)
                   Headers (9)
                                Test Results
  Pretty
            Raw
                    Preview
                               Visualize
                                           JSON
    1
    2
              "data": {
    3
                  "SalesTaxRateID": 1,
                  "StateProvinceID": 1,
    4
    5
                  "TaxType": 1,
    6
                  "TaxRate": 14,
    7
                  "Name": "Canadian GST + Alberta Provincial Tax Update",
                  "ModifiedDate": "1998-05-31T18:00:00.000000Z"
    8
    9
   10
```

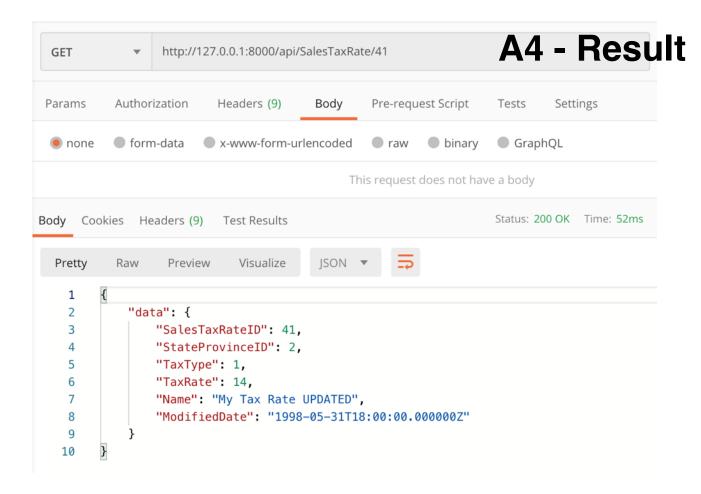


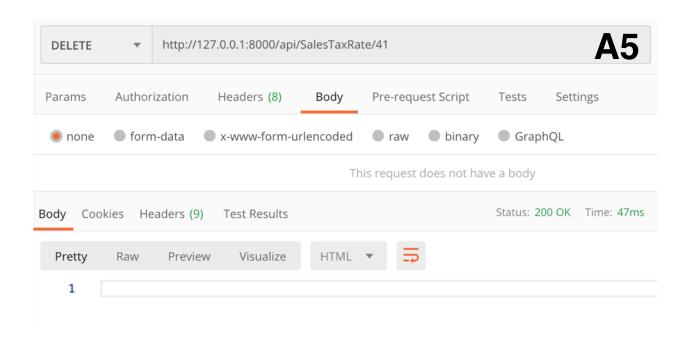
**A2** 

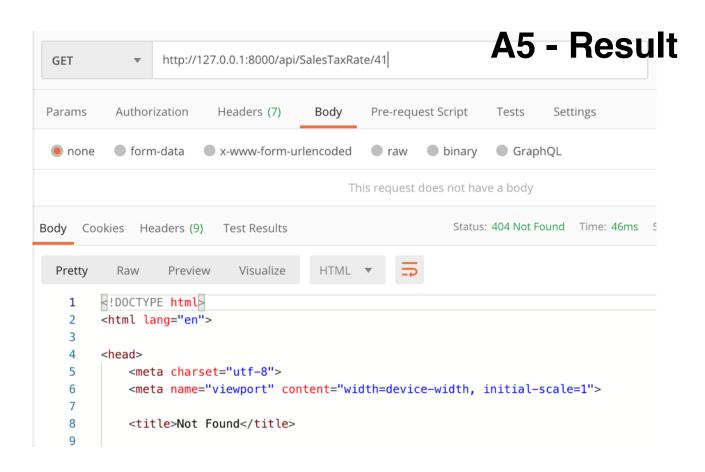


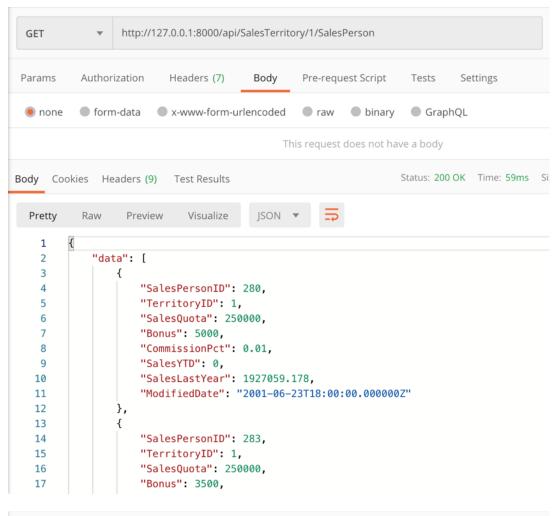


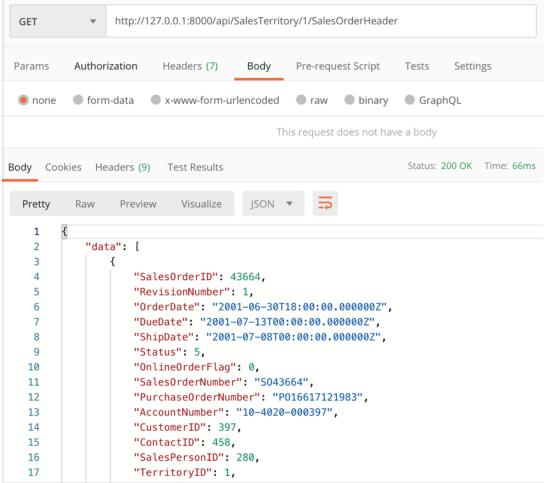
```
PUT
                 http://127.0.0.1:8000/api/SalesTaxRate/41
          Authorization
                                          Body •
                                                    Pre-request Script
Params
                          Headers (10)
                                                                       Tests
                                                                                Settings
                                                                                 JSON ▼
none
          form-data
                        x-www-form-urlencoded
                                                 raw
                                                          binary
                                                                    GraphQL
1 - {
 2
             "StateProvinceID": 2,
3
             "TaxType": 1,
4
             "TaxRate": 14,
5
             "Name": "My Tax Rate UPDATED",
             "ModifiedDate": "1998-05-31T18:00:00.000000Z"
 6
 7
   }
```



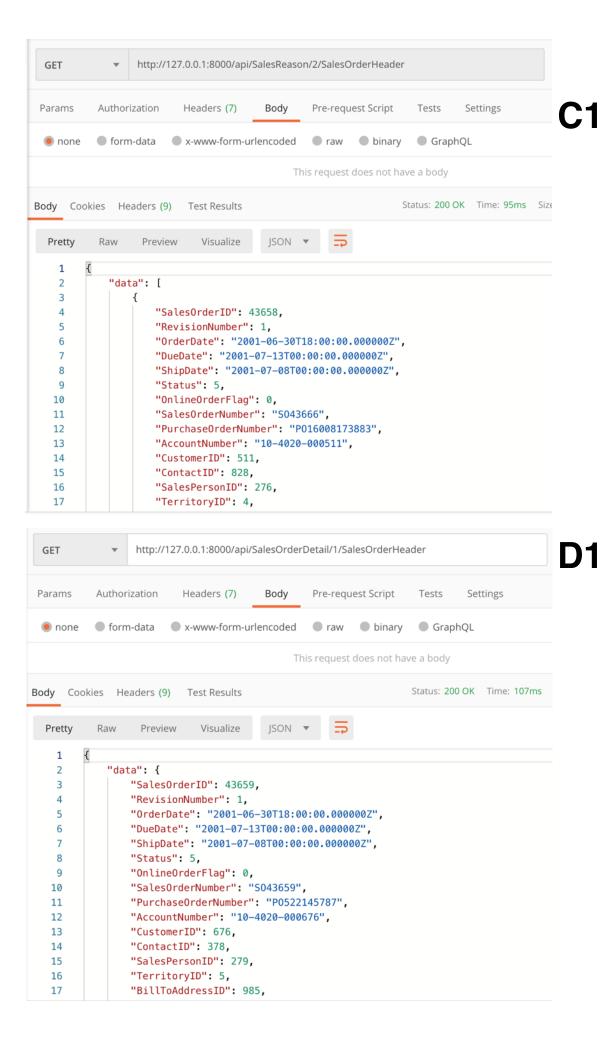


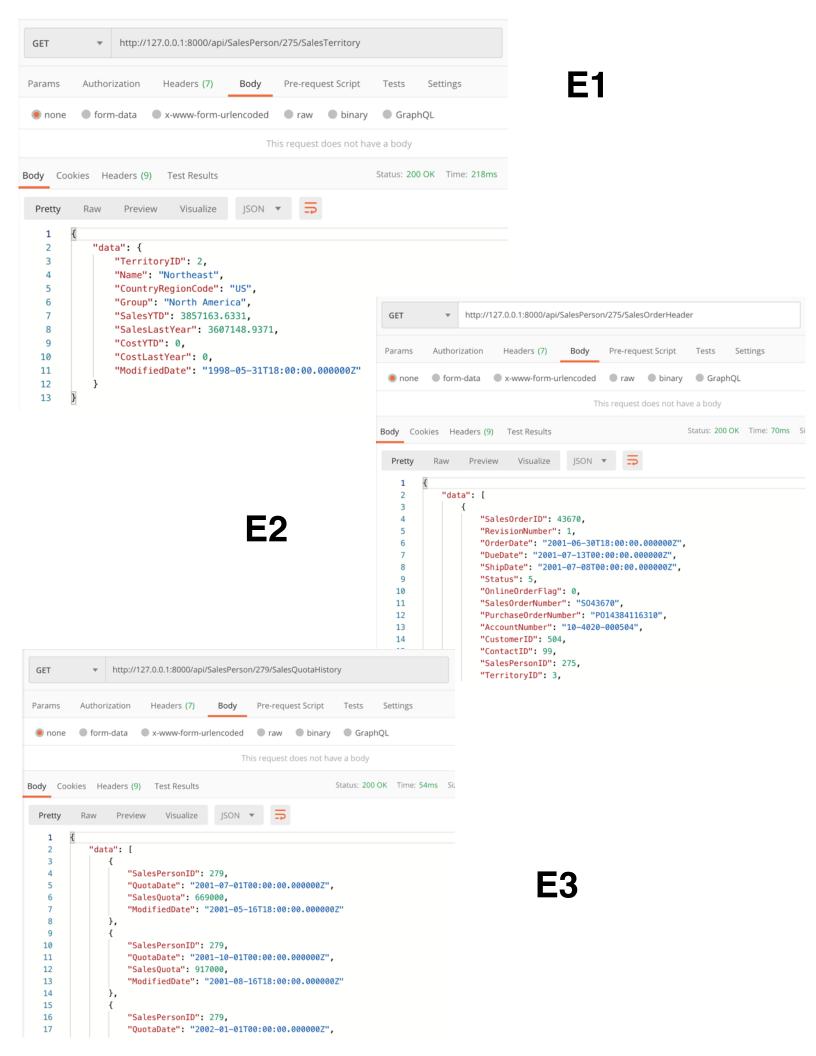


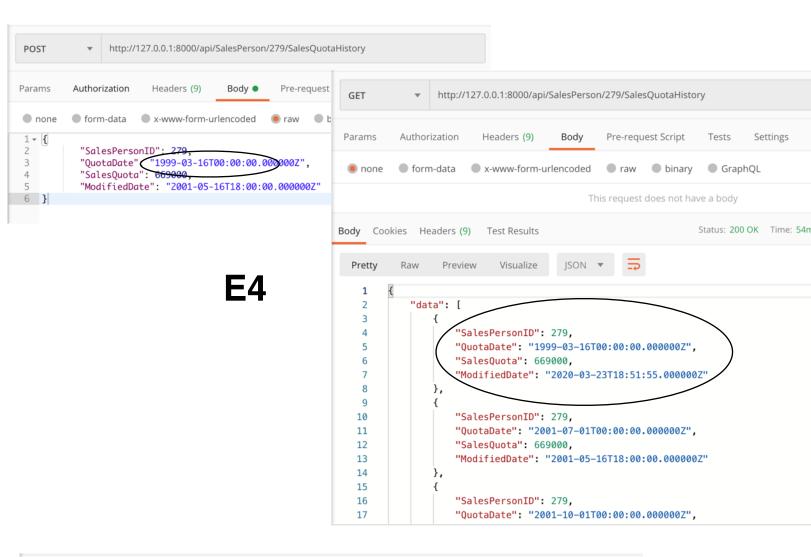


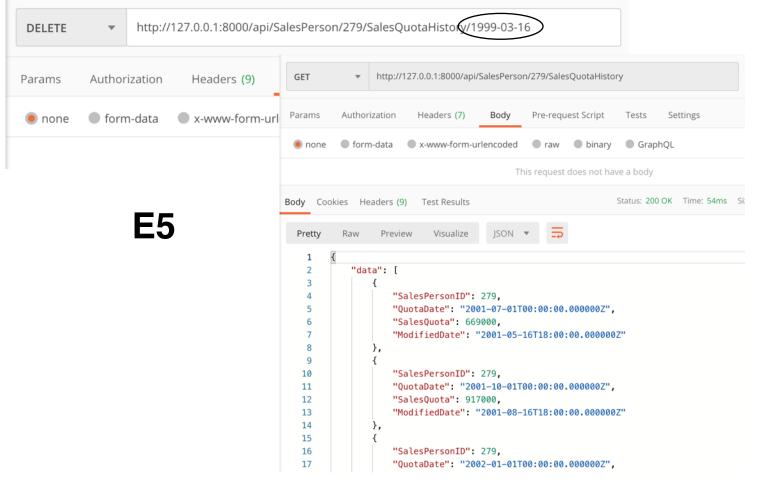


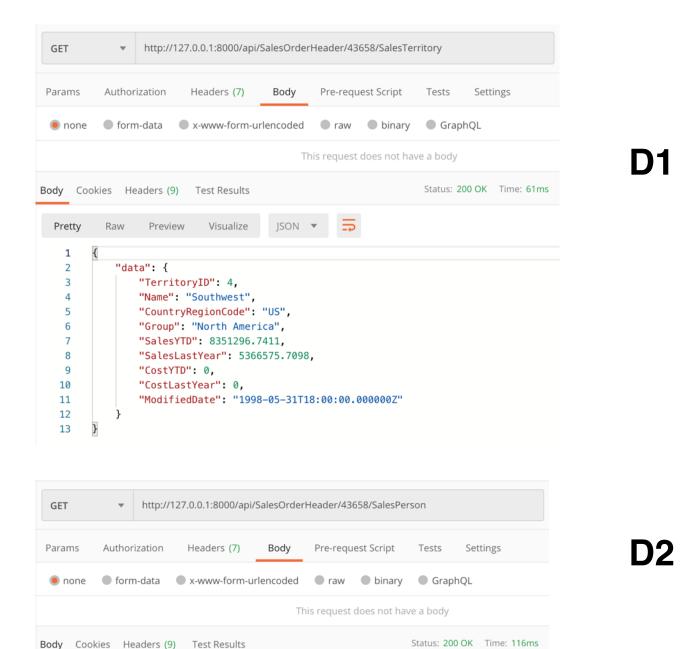
R2











Pretty

1 2

3

4 5

6

7

8

9

10

11

12

Raw

}

Preview

"data": {

Visualize

"SalesPersonID": 276,
"TerritoryID": 4,

"SalesQuota": 250000,

"CommissionPct": 0.015,

"SalesYTD": 5200475.2313,

"SalesLastYear": 1439156.0291,

"ModifiedDate": "2001-06-23T18:00:00.000000Z"

"Bonus": 2000,

JSON '



