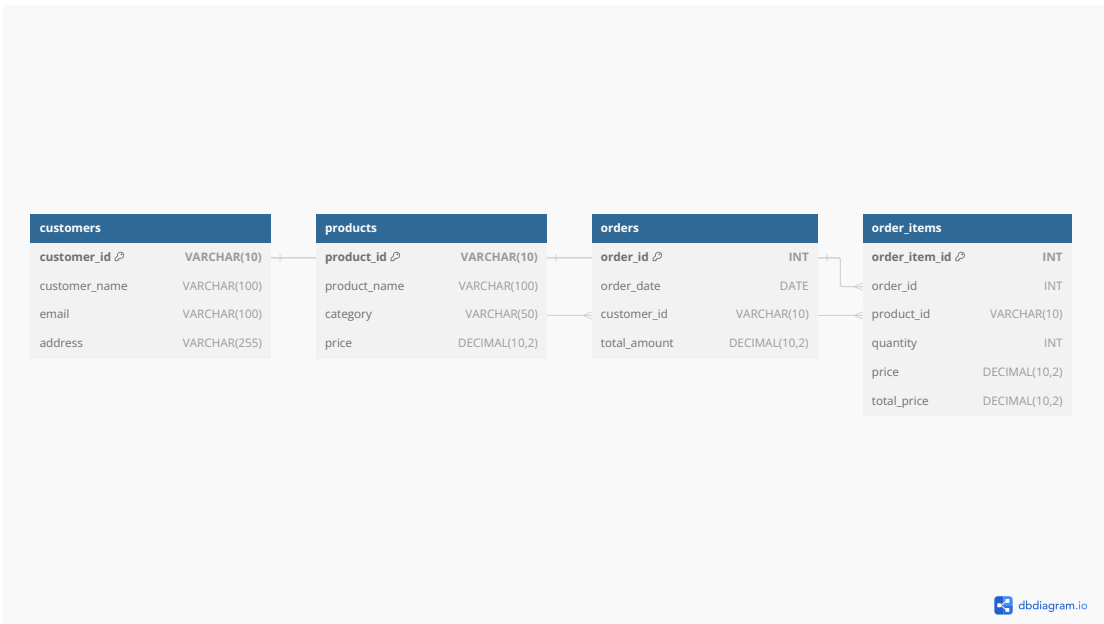Readme:

Schema:

Sales API:

This API provides endpoints to retrieve sales data including top products overall, by category, and by region. Below is the list of available endpoints.

API Endpoints:

Route	Method	Body	Sample Response	Description
`/api/top-products/overall`	GET	`n`: Number of top products (optional, default: 5) `start_date`: Start date (YYYY-MM-DD) `end_date`: End date (YYYY-MM-DD)	```json [{ "product_id": "P123", "product_name": "UltraBoost Running Shoes", "total_quantity": 10 }]```	Retrieves top `n` products overall within the specified date range.
`/api/top-products/category`	GET	`n`: Number of top products (optional, default: 5) `category`: Product category `start_date`:	```json [{ "product_id": "P456", "product_name": "iPhone 15 Pro", "total_quantity": 20 }]```	Retrieves top `n` products by category within the specified date range.

		Start date (YYYY-MM-DD) `end_date`: End date (YYYY-MM-DD)		
`/api/top-products/region`	GET	`n`: Number of top products (optional, default: 5) `region`: Customer region `start_date`: Start date (YYYY-MM-DD) `end_date`: End date (YYYY-MM-DD)	```json [{ "product_id": "P789", "product_name": "Levi's 501 Jeans", "total_quantity": 15 }]```	Retrieves top `n` products by region within the specified date range.

Outputs:

127.0.0.1:5000/api/top-products/overall?n=4&start_date=2023-12-15&end_date=2024-12-31

Pretty-print ☐

```
{
  "product_id": "P123",
  "product_name": "UltraBoost Running Shoes",
  "total_quantity": "3"
},
{
  "product_id": "P456",
  "product_name": "iPhone 15 Pro",
  "total_quantity": "3"
},
{
  "product_id": "P789",
  "product_name": "Levi's 501 Jeans",
  "total_quantity": "3"
},
{
  "product_id": "P234",
  "product_name": "Sony WH-1000XM5 Headphones",
  "total_quantity": "1"
}
```

Pretty-print ☐

```json
[
  {
    "product_id": "P456",
    "product_name": "iPhone 15 Pro",
    "total_quantity": "3"
  },
  {
    "product_id": "P234",
    "product_name": "Sony WH-1000XM5 Headphones",
    "total_quantity": "1"
  }
]
```

Pretty-print ☐

```json
[
  {
    "product_id": "P789",
    "product_name": "Levi's 501 Jeans",
    "total_quantity": "3"
  },
  {
    "product_id": "P123",
    "product_name": "UltraBoost Running Shoes",
    "total_quantity": "2"
  }
]
```