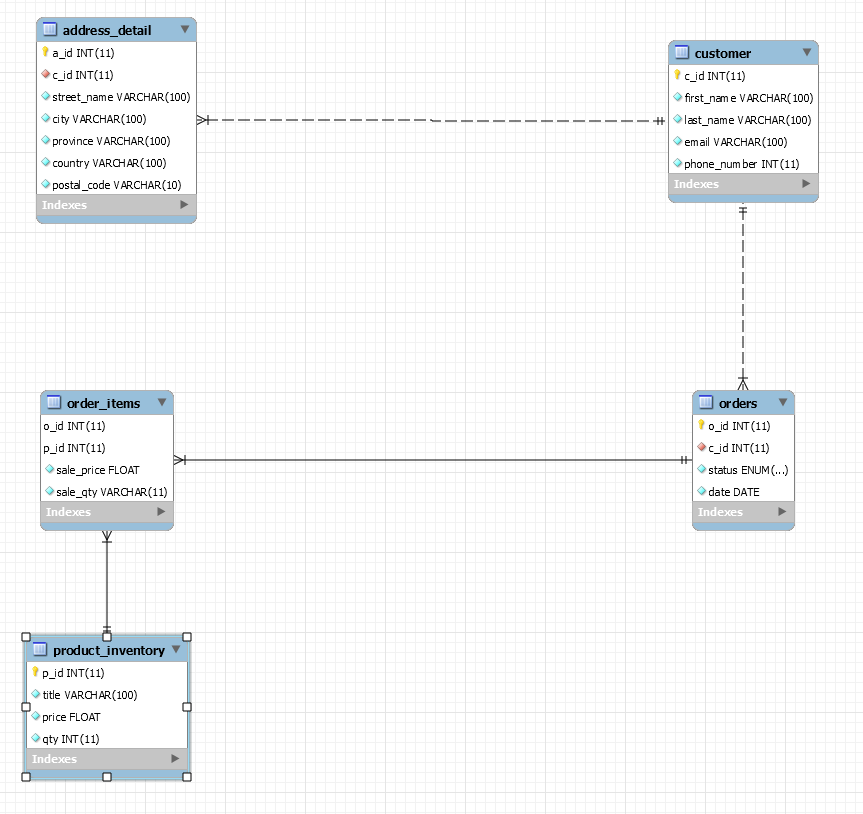
**Schema Design**

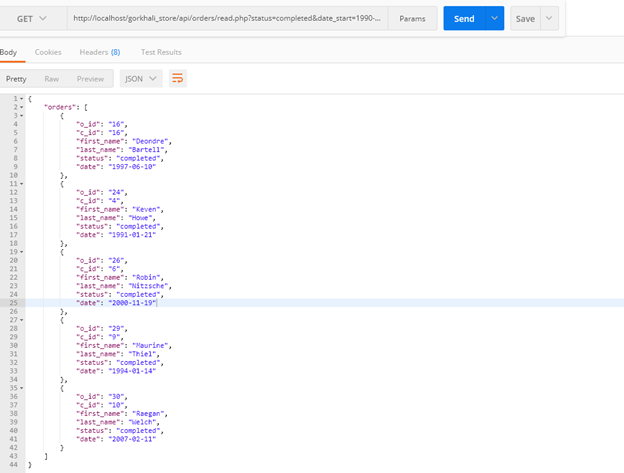
This is our final database schema:



We came up with it by first listing all the necessary information, then normalizing it. Some changes such as variable size and switching foreign keys were done later as needed. Some improvements that could be made are allowing customers to have many phone numbers and emails but that wasn’t necessary for this database. Sale\_price is how we track how much the item cost when it was purchased. If the website or whatever the database could be used for would like to show the cost reduction of the sale price there would need to be another variable.

**Getting Data (Querying)**

Run this:

<http://localhost/gorkhali_store/api/orders/read.php?status=completed&date_start=1990-01-01&date_end=2010-01-01>

Where the parameters are status, date\_start, and date\_end.

This retrieves all customers orders with dates between 1990 and 2010.

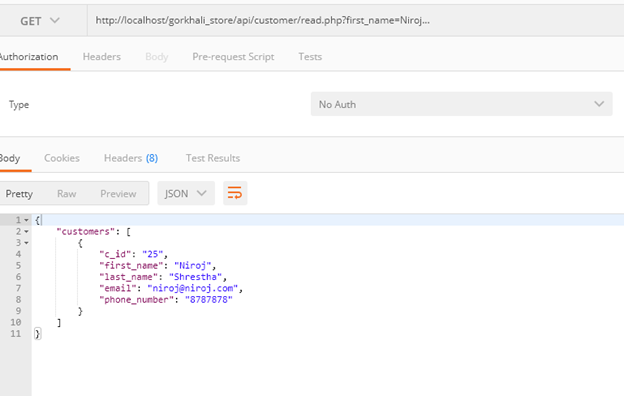
**Another Get Example**

You can use the 3 following lines to query for first and last name, first name, and then just the last name.

<http://localhost/gorkhali_store/api/customer/read.php?first_name=Niroj&last_name=Shrestha>

<http://localhost/gorkhali_store/api/customer/read.php?first_name=Niroj>

<http://localhost/gorkhali_store/api/customer/read.php?last_name=Shrestha>



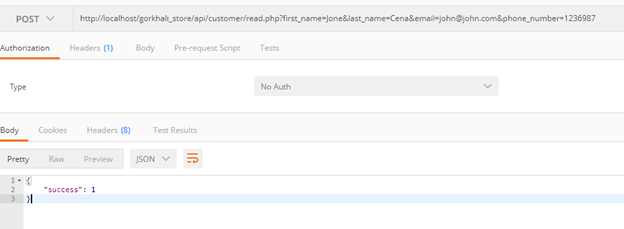
The result of running one of them.

**Posting Data**

Example of creating a customer:

<http://localhost/gorkhali_store/api/customer/read.php?first_name=Jone&last_name=Cena&email=john@john.com&phone_number=1236987>

Based off the schema, needs first\_name, last\_name, email, and a phone\_number.

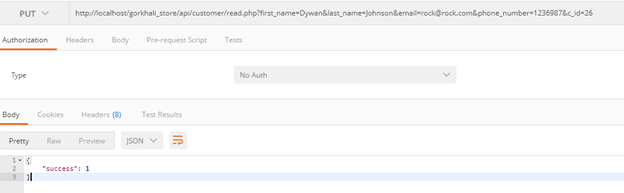


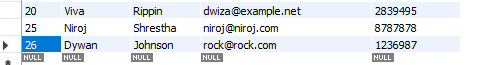
Shows POST was successful.

**Putting Data**

Example of updating existing data. <http://localhost/gorkhali_store/api/customer/read.php?first_name=Dywan&last_name=Johnson&email=rock@rock.com&phone_number=1236987&c_id=26>

Same as POST



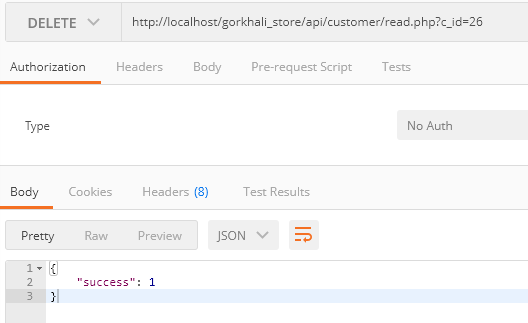


**Deleting data**

Example of deleting existing data.

<http://localhost/gorkhali_store/api/customer/read.php?c_id=26>

Pass it the c\_id.





Now that line is NULL.