Customer Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Date Type | Data Format | Field Size | Description | Example | Comments |
| Customer\_id | Integer | NNNNNN | 6 | Unique ID for each customer | 1542 | Auto-Increments |
| Email | Varchar | -- | 50 | Email address for login + order status | [Kohljohnson01@gmail.com](mailto:Kohljohnson01@gmail.com) | Tis an email |
| First\_name | Varchar |  | 50 | First name of customer | Kohl |  |
| Last\_name | Varchar |  | 50 | Last name of customer | Johnson |  |
| Street\_address | Varchar |  | 100 | Street address of residence | Whitewater Drive |  |
| City | Varchar |  | 100 | City of residence | Idaho Falls |  |
| State | Varchar |  | 50 | State/Prov of residence | Idaho |  |
| Postal\_code | Varchar |  | 50 | Postal Code of residence | 83402 | Left as varchar as it may not be an option in other countries |
| Country | Varchar |  | 50 | Country of residence | United States |  |
| Phone\_number | Varchar |  | 50 | Phone number of customer | (123) 456 – 7890 | Left as varchar since countries have different formats |

Payments Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Payment\_id | Integer | NNNNNN | 6 | Unique Payment ID | 2489 | Auto Increment |
| Customer\_id | Integer | NNNNNN | 6 | Matches ID in customer table | 1542 |  |
| Payment\_date | DateTime | MM/DD/YYYY | 10 | Date of payment | 05/21/2000 |  |
| Payment\_amount | Float(2) | NNN.NN |  | Payment Amount | 252.86 | Float will have precision of 2 |

Products Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Product\_id | Varchar |  | 6 | Product ID | LCH625 |  |
| Category\_id | Varchar |  | 50 | Cateogry ID | Graphics Processing Unit |  |
| Name | Varchar |  | 100 | Product Name | MSI GeForce RTX 3060 Ti VENTUS 2X OC |  |
| Price | Float(2) | NNNN.NN |  | Product Price | 689.99 |  |

Vendors

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Vendor\_id | Integer | NNNNNN | 6 | Vendor Id | 345 | Auto increment |
| name | Varchar |  | 50 | Vendor name | Newegg |  |
| Email | Varchar |  | 50 | Contact email of vendor | [neweggorders@gmail.com](mailto:neweggorders@gmail.com) |  |
| phone | Varchar |  | 50 | Phone num of company | 123 456 – 7890 |  |
| Street\_address | Varchar |  | 50 | Street Adrress | 123 Computer Cirlce |  |
| City | Varchar |  | 50 | City | Idaho Falls |  |
| state | Varchar |  | 50 | State | Idaho |  |
| Postal\_code | Varchar |  | 50 | Postal Code | 83402 |  |
| country | Varchar |  | 50 | Country | United States |  |

Product Categories Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Category\_id | Integer | NNNNNN | 6 | Unique ID | 489 | Auto-increment |
| Name | VarChar |  | 50 | Cateogy Name | Graphics Processing Unit |  |
| Description | Text |  | 1000 | Description of category | Hardware for graphic proccessing |  |

CPU, GPU, Ram, Motherboard, Monitor, PSU, Storage

Stores Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Store\_id | Integer | NNNNNN | 6 | Unique store id | 4521 | Auto-Increment |
| Name | Varchar |  | 50 | Store Name | Kohl’s PC Parts |  |
| Email | Varchar |  | 50 | Contact email of vendor | kohlsPC@gmail.com |  |
| phone | Varchar |  | 50 | Phone num of company | 123 456 – 7890 |  |
| Street\_address | Varchar |  | 50 | Street Adrress | 123 Computer Circle |  |
| City | Varchar |  | 50 | City | Idaho Falls |  |
| state | Varchar |  | 50 | State | Idaho |  |
| Postal\_code | Varchar |  | 50 | Postal Code | 83402 |  |
| country | Varchar |  | 50 | Country | United States |  |

Employees Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Employee\_id | Integer | NNNNNN | 6 | Employee ID | 436 | Auto-Increment |
| Store\_id | Integer | NNNNNN | 6 | Store ID | 4521 |  |
| First\_name | Varchar |  | 50 | First name | Kohl |  |
| Last\_name | Varchar |  | 50 | Last Name | Johnson |  |
| Phone | Varchar |  | 50 | Phone | 123 456 – 7890 |  |

Orders Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Order\_id | Integer | NNNNNN | 6 | Unique id | 546 | Auto-Increment |
| Payment\_id | Integer | NNNNNN | 6 | Payment ID | 1542 | Matches Existing payment |
| Items\_ordered | Integer | NNNNNN | 6 | Holds num products ordered | 14 |  |

Order Items Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Data Type | Data Format | Field Size | Descrip | Example | Comments |
| Order\_item\_id | Integer | NNNNNN | 3 | Unique order item num | 514 |  |
| Order\_id | Integer | NNNNNN | 6 | Order ID | 546 |  |
| Name | Varchar |  | 50 | Product Name | MSI GeForce RTX 3060 Ti VENTUS 2X OC |  |
| Quantity | Integer | NNN | 3 | Quantity of item | 2 |  |

**Note:** On all the tables, ignore the capitalized first letter for column names. Word kept automatically uppercasing it and I gave up fighting it.

Table Structure

A screenshot of a computer

Description automatically generated

Ignore the relationships between the tables. Misread the requirements for this week’s milestone. Shows the structure of each table.

SQL Queries

**Step 6A**

**A screenshot of a computer

Description automatically generated**

Shows the result of searching for an email (username) that contains the letter ‘J’

**Step 6B**

**A screenshot of a computer

Description automatically generated**

Shows the result of a query selecting all products that have a category ID of 2

**Step 6C: Result**

**A screenshot of a computer

Description automatically generated**

Shows the success message of inserting a new store record

A screenshot of a computer

Description automatically generated

Proof that it did indeed add it to the table of stores (highlighted in blue)

**Step 6D**

**A screenshot of a computer

Description automatically generated**

Success message after deleting a product category (created a fake category called ‘test’, just because at least one product was connected to each product category)

**Step 6E: Result**

**A screenshot of a computer

Description automatically generated**

Shows the success message after updating a single vendor. Changed the email to match the company name

**Step 6E: Proof**

**A screenshot of a computer

Description automatically generated**

Proof that it did update the correct row, highlighted in blue.