***1 - Vendors:***

* Vendor\_Id (PK)
* Vendor\_Name
* Vendor\_Address
  + State/Province
  + City
  + Zip-Code/Postal Code

2 - Vendor\_Contact

* Vendor\_Phone
* Vendor\_name(fk)

***3 - Employee Table:***

* Employee\_Name
  + First Name
  + Last Name
* Employee\_ID (PK)

***4*** - ***Employee\_contact:***

* Employee\_Contact
  + Employee\_Phone
* Employee\_Department (PK)
* Department\_extension (FK)

***5 - Invoices:***

* Invoice\_Number
* Invoice\_Total[dec]
* Payment\_Total[dec]
* Invoice\_Id (PK)
* Payment\_Date[[[date]]]
* Invoice\_due\_date[[[date]]]
* Invoice\_date[[[date]]]
* Customer\_ID (FK)

***6 - Customers:***

* Customer Name (uk)
  + First Name
  + Last Name
* Customer\_id (PK)
* Customer Address
  + State/Province
  + City
  + Zip-Code/Postal Code
* Invoice\_Id (FK) to invoices
* Customer\_Contact
  + Customer\_Phone

***7 - Software:***

* Software\_Id (PK)
* Software\_type
  + OS
  + Creative
  + Tax
  + Antivirus
* Software\_price[dec]
* Software\_onhand

***8 - Parts:***

* Part\_ID (PK)
* Part\_name
* Part\_instock (int)
* Part\_type(uk)(enum)
  + Memory
  + Storage
  + Power Supply
  + Graphics Card
  + Motherboard
  + CPU
  + Case
  + Cooler

***9 - Warranties:***

* Warranty\_ID (PK)
* Warranty\_Length
* Warranty\_Type
  + Cheap
  + Mid-Price
  + Expensive
  + Full-Coverage

***10 - Departments:***

* Department\_id (PK)
* Department\_extension
* Department\_type
  + Sales
  + Service
  + Shipping/Warehouse
  + Managers

**11 – Prebuilt\_PCs:**

Table Values:

* Prebuilt\_id (PK)
* Prebuilt\_price
* Prebuilt\_specs (pull/join from parts table)(fk)
* Prebuilt\_onhand (int)
* Option 1 (Budget):
  + CPU: Intel Core i5 10400K
  + Cooler: Stock AMD Prism Air Cooler
  + RAM: Corsair Vengeance DDR4 16GB @ 3200MT/s
  + Storage: 512GB Crucial P3 NVMe M.2 SSD
  + Graphics Card: NVIDIA GeForce GTX 1660Ti
  + Power Supply: EVGA BQ 500 BRONZE 500W
  + Motherboard: MSI B460 Tomahawk MAX ATX Motherboard
  + Case: Phanteks Eclipse P300A
* Option 2 (Midrange):
  + CPU: Intel Core i7 14700K
  + Cooler: Noctua NH-D15 Air Cooler
  + RAM: Corsair Vengeance DDR5 32GB @ 5200MT/s
  + Storage: 1TB Samsung 970 Evo NVMe M.2 SSD
  + Graphics Card: NVIDIA GeForce RTX 3060Ti
  + Power Supply: EVGA 700 GD 80+ GOLD 700W
  + Motherboard: ASUS B760 mATX Motherboard
  + Case: Lian Li A3 mATX Case
* Option 3 (Beast):
  + CPU: Intel Core i9 14900KS
  + Cooler: ASUS ROG RYUJIN II 360
  + RAM: Corsair Vengeance DDR5 192GB @ 6400MT/s
  + Storage: 8TB Sabrent Rocket NVMe M.2 SSD
  + Graphics Card: NVIDIA GeForce RTX 5090
  + Power Supply: SeaSonic Prime TX ATX 3.1 1600W
  + Motherboard: ASUS ROG Hero Maximus Z790
  + Case: Cooler Master HAF 700 EVO

**12 - Sales:**

* Invoice\_id (PK)
* Invoice\_total (fk)[dec]
* Employee\_id (fk)
* Customer\_id [int](fk)
* Part\_number [int]
* Part\_id[int](fk)
* Prebuilt\_id [int](fk)
* Warranty\_id [int](fk)
* Customer\_name(fk)
* Sales\_return-end\_date[[[date]]]

***13 – Purchase\_Order:***

* PO\_ID (PK)
* PO\_Total

***14 – PO\_Items:***

* PO\_ID (PK, FK)
* POI\_Quantity
* Vendor\_ID (FK)
* Part\_ID (FK)
* Part\_Type (FK)

***15 – Invoice\_Items:***

* Invoice\_ID (PK, FK)
* Customer\_ID (FK)
* Item\_Amount
* Item\_QTY

***Testing Starts Here!!***

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 1: Showing all data from the invoices table)

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 2: Displays all invoices that are for customer #30)

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 3: Displays all Intel CPUs in the parts table.)

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 4: Displays all software instock, in ascending order.)

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 5: Displays total of each invoice, and which employee was responsible.)

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 6: Displays total payments made to the computer store accross all invoices.)

A screenshot of a computer

AI-generated content may be incorrect.

(Image above 7: Shows all invoices generated in the specified timeframe.)