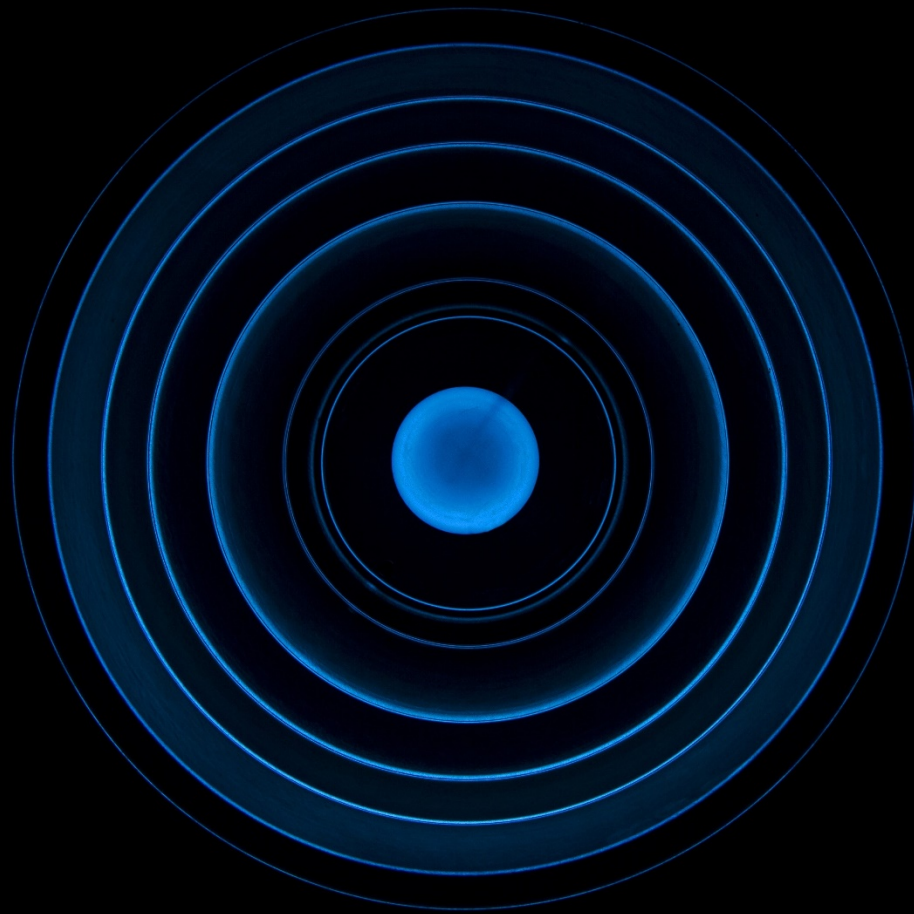


Wizard



Collectibles

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CIS 250 Final Project – Wizard Collectibles Database

Background Information

Wizard Collectibles is a brick-and-mortar collectibles store specializing in sales of collectible toys, comics and various other similar products. Wizards Collectibles has asked that I create a database for them that can handle simple inventory management tasks. Wizards Collectibles would like have an online presence in the very near future and will use this initial database as grounds for determining whether or not they would like to take the project to the next level and integrate the database data to facilitate an e-commerce business online.

Database Requirements

Wizard Collectibles has asked that we create a database with the following requirements:

- Track Inventory
 - Products
 - Pricing
 - Availability
- Track Customers – Customer information such as
 - Name
 - Address
 - Contacts
 - Phone
 - Email
- Track Vendors
 - Vendor Contact Information
 - Name
 - Address
 - Email
 - Phone
 - Vendor Pricing & Availability
 - Unit Cost
 - Unit Availability

System Requirements

This database requires the use of Microsoft Access, and thusly requires a working knowledge of the program and basic database concepts to be able to fully utilize the functionality of this database system for Wizard Collectibles.

It is recommended that the end-user have available to them a computer with the following minimum system requirements.

- Processor
 - Windows: 1.6 gigahertz (GHz) or faster, 2-core. 2.0 GHz or greater recommended for Skype for Business.
 - MacOS: Intel processor
- Memory
 - Windows: 4GB RAM; 2 GB RAM (32-bit)
 - MacOS: 4 GB RAM
- Hard disk
 - Windows: 4.0 GB of available disk space
 - MacOS: 10 GB of available disk space. HFS+ hard disk format (also known as macOS Extended or APFS)
- Graphics
 - Windows: Graphics hardware acceleration requires DirectX 9 or later, with WDDM 2.0 or higher for Windows 10 (or WDDM 1.3 or higher for Windows 10 Fall Creators Update). Skype for Business requires DirectX 9 or later, 128 MB graphics memory, and 32 bits per pixel capable format.
 - MacOS: No graphics requirements
- Operating system
 - Windows: Windows 10, Windows 8.1, Windows 7 Service Pack 1, Windows Server 2016, Windows Server 2012 R2, Windows Server 2012, or Windows Server 2008 R2
 - MacOS: Office for Mac is supported on the three most recent versions of macOS. When a new version of macOS is released, the Office for Mac Operating System requirement becomes the then-current three most recent versions: the new version of macOS and the previous versions.

Assumptions

The assumptions associated with the creation of the Wizard Collectibles database are as follows:

- This database will be used for on-hand store inventory
- This database will be managed with Access only for the near-term, possible the long term.
- This database is to be kept simple to accommodate the end-users (employees of Wizard Collectibles).
- This database will not be used on a large scale.

Database Content

The content of the database itself is laid out below. The following screen captures represent the tables within the Wizard Collectibles database as well as the relationships of the tables to one another. This will aid in determining whether or not what has been created fits the description of what Wizard Collectibles has requested.

Database Tables

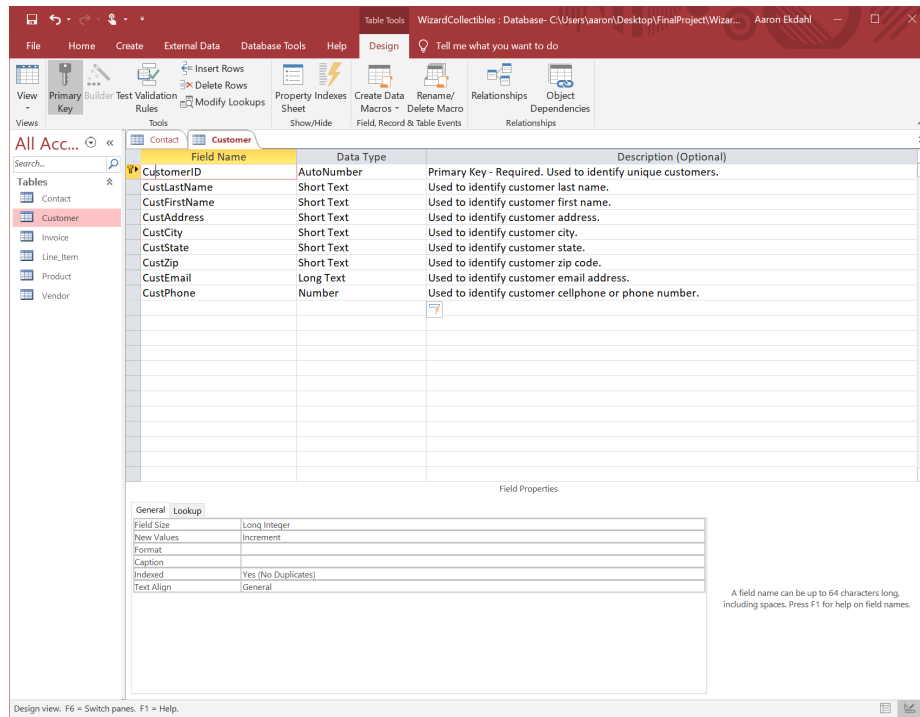


Fig.1 Customer Table

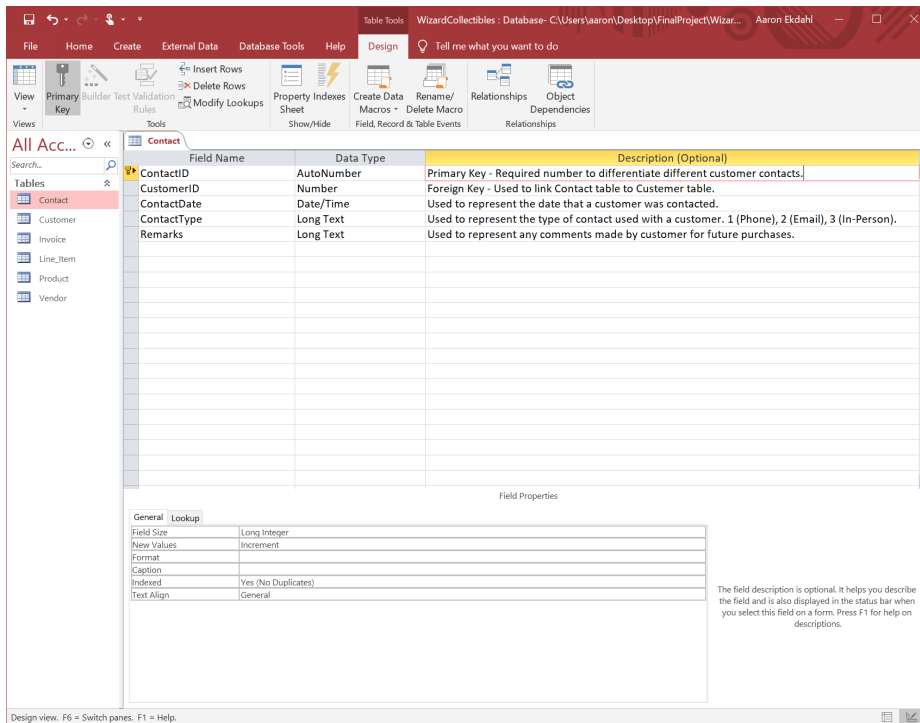


Fig.2 Contact Table

Database Tables Continued...

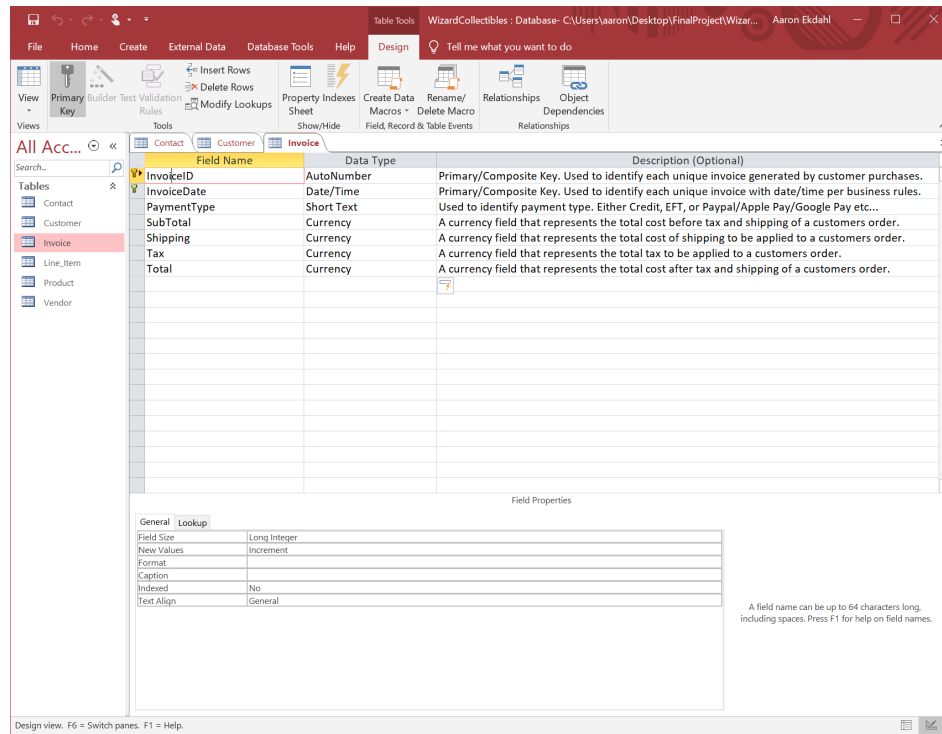


Fig.3 Invoice Table

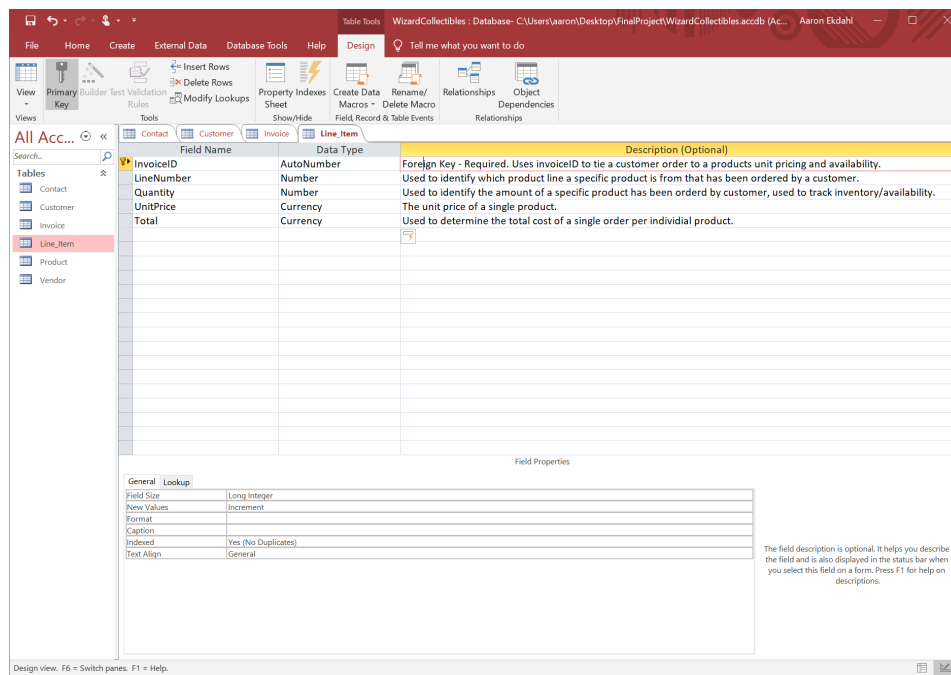


Fig.4 Line_Item Table

Database Tables Continued...

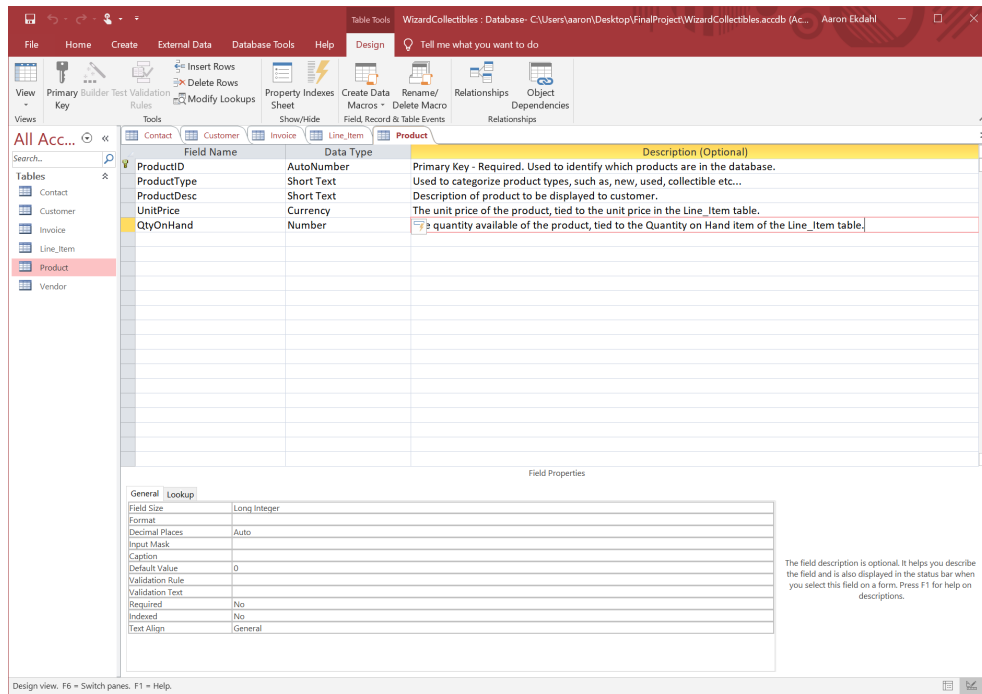


Fig.5 Product Table

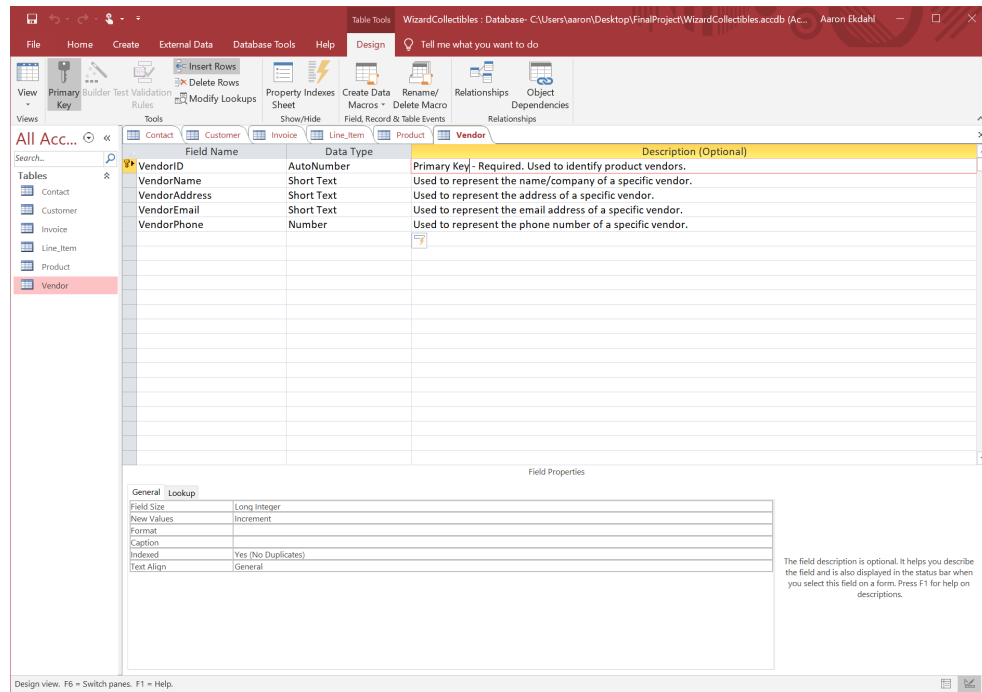
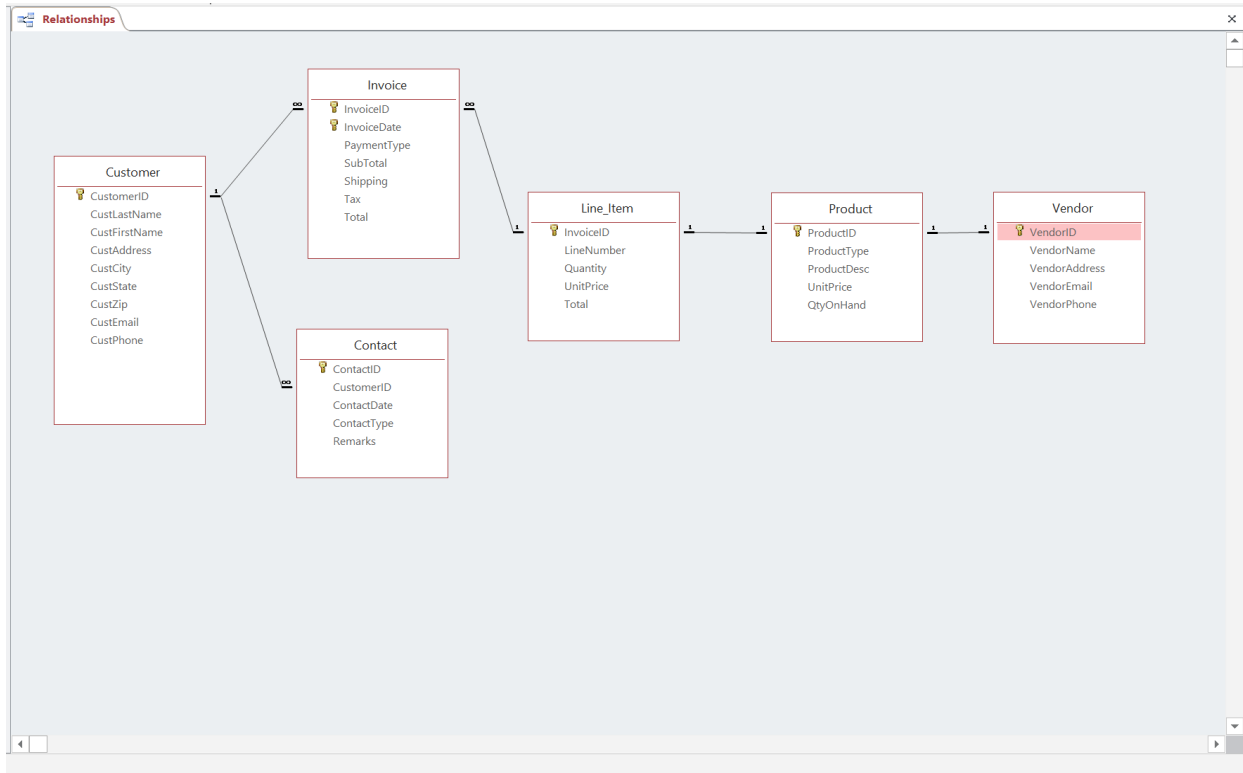


Fig.6 Vendor Table

Database Table Relationships



Conclusion

After creating the database for Wizard Collectibles, it has been determined that the database will currently fulfill the needs of the business. In the future Wizard Collectibles will be requesting a more thorough and encompassing database once they have used the current database and determined any additional requirements or functionality.