



Retail Business

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Our Project

- What is it?
 - Retail database application is used by the retail store administrators
- Problem/Issue
 - Data is truncated into different csv files
 - Lack of consolidated view and search/filter ability
- Goal
 - Creating an efficient database with scattered data like:
 - Payment data
 - Customer data
 - ...
 - Able to fetch data efficiently
- Features
 - View tables
 - Edit tables
 - Ability to search specific attributes by filter



How it works

- Back-End/Database
 - Design database schema based on data provided
 - Normalize tables and create using MYSQL
 - Maintain referential integrity to keep consistency
 - Create index to make searches more efficient
- Front-End
 - A python application for the end users to interact with.
- The end-user for this application is not customers but managers

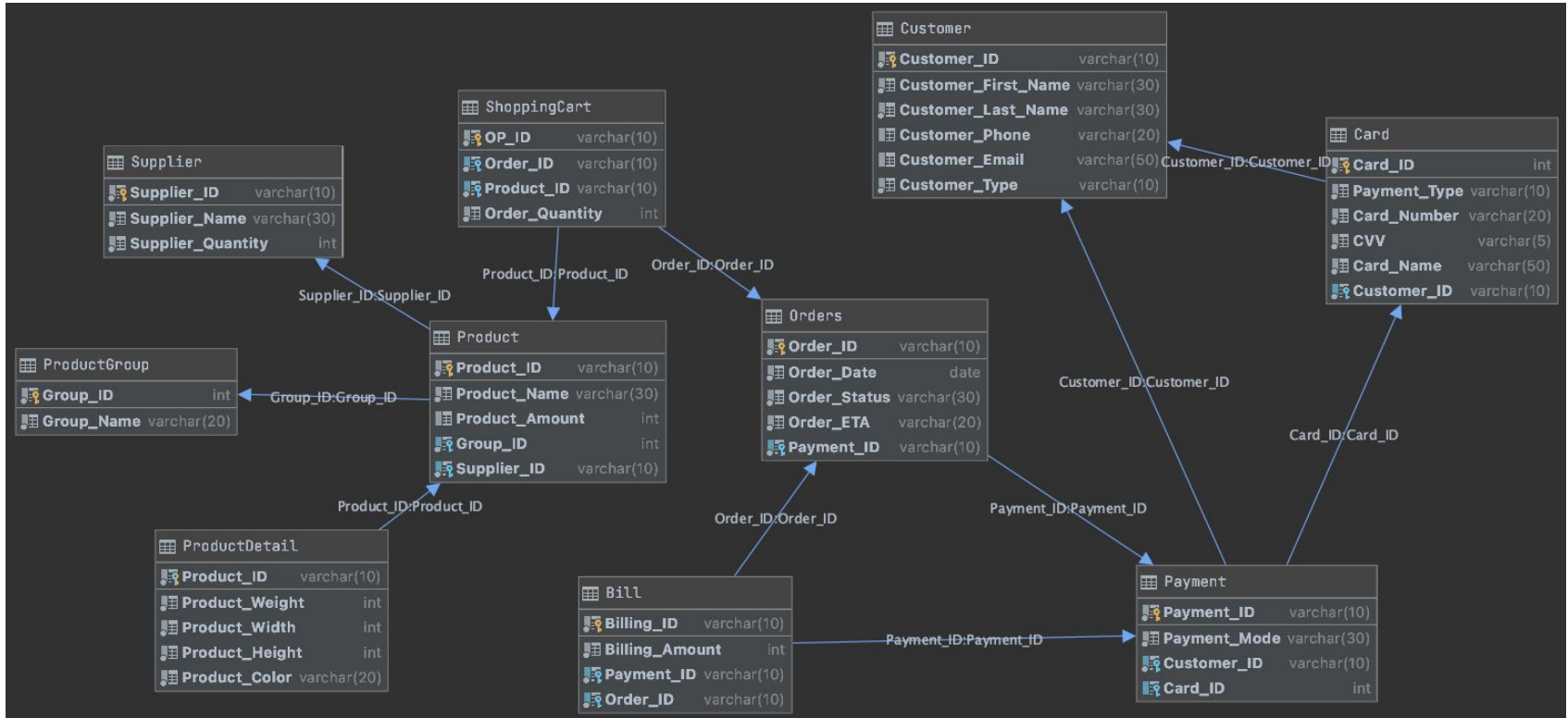


Example

A more specific interaction our application will allow the end-user to perform is:

1. Ask user if they want to search by any features (yes or no)
 - a. If yes, user will be asked what feature and what the condition is
 - b. Continue to 2. if no
2. Ask user how many records they would like to see (partial or all)
 - a. If partial, ask user how many records they desire to see
 - b. Show all records if all

ER Diagram





Demo