



# POS SYSTEM

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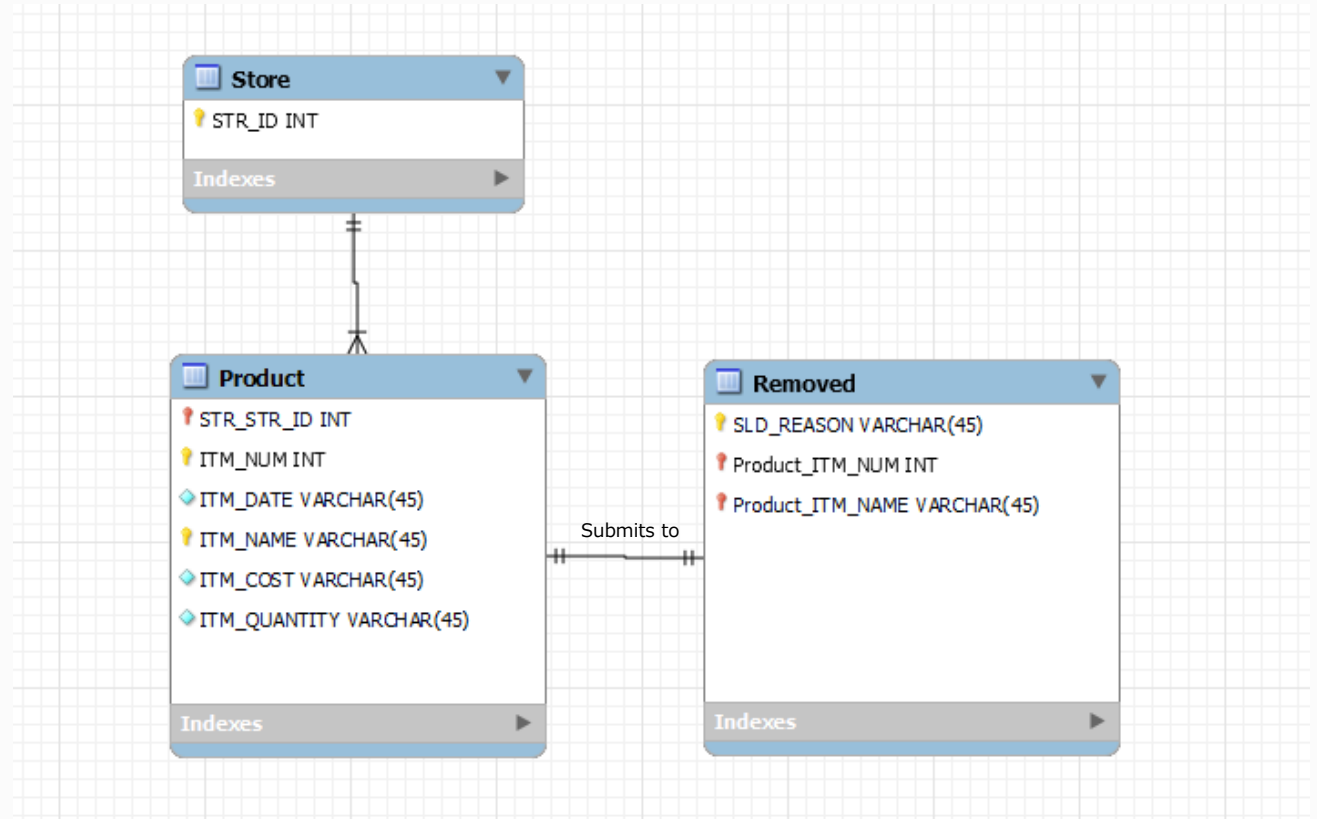
# Problem

Assume you run a business, something like a Best Buy or a Gamestop. There needs to be some way to manage incoming and outgoing products from the inventory so that it can be checked. It needs to be easy to use for a worker to quickly add or remove items from the storage, so it doesn't get lost or confused

# Functional requirements

The main requirements of a database like this are very simple. It needs to be able to allow only one type of user, the worker, to add an item's name, inventory amount, cost, and arrive date to the database, as well as remove any item. The database must also be able to be searched for any specific items, and must also be able to show the items that were removed for a history of transactions. There is no need to have higher levels of access considering the employees deal with all the inventory. This database only needs to be seamless with prompts to input data and organize it, which allows for ease of use.

# ERD Diagram



# Framework and tools

The SQL is written in SQLite and QT designer is the GUI used to display the code and allow for the use of buttons and text prompts. The back end of the code is written in Python and using VisualStudio.