**Database Programming**

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**Final Project Topic**

Idea: Product order system for a guitar shop where a customer can register their name into the system to access the store’s inventory to place an order. Customer can also manage orders to cancel or modify an order.

Tables in database: Registered Customers, Available Products, Orders Placed

Business Rules (potentially more):

* Customer must be registered to access inventory AND place an order
* Customer cannot spend more than 5000$ in a single order

Fields (conceptual):

* Registered Customers
  + customerID (PK)
  + firstName
  + middleName
  + lastName
  + company (optional)
  + emailAddress
  + deliveryAddress
  + province
  + postalCode
  + phoneNumber
* Available Products
  + productID (PK)
  + make
  + model
  + productType
  + price
  + qtyInStock
* Orders Placed
  + orderID (PK)
  + customerID (FK)
  + productID (FK)
  + fulfillByDate
  + expeditedShipping
  + totalCost