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Software Engineering Client Outline

**Client**

Cutting Edge Counter Tops

**Project Needs**

Inventory management

* Desktop Application (probably Windows Forms App) and Database.
* Print reports on inventory information.
* Ability to differentiate between the following:
  + Unmanufactured:
    - Available for purchase.
    - Customer has placed an order for a type of countertop and certain color, but the countertop is still in inventory.
  + Manufactured:
    - Countertops which have been purchased and manufactured to fit customer requirements.
* Needs to maintain a base amount of inventory:
  + 4x of each kitchen countertop
  + 2x of each vanity countertop
  + 2x of each bar 27” countertop
  + 1x of each bar 36” countertop
    - 2x of a particular bar 36” countertop (color #: 9277-46)
* Needs for the program to prioritize or indicate when inventory falls below base amount.
* Ability to either delete tops from the database or segment them once they’re manufactured and delivered to the customer.
* There are approximately 10-15 different colors of countertops which are considered “stock.”
  + These are always kept on hand and in specific base quantities.
* Additional features may include:
  + Inventory management for other countertops which aren’t part of the “stock” colors.
  + Ability to mark quantities of tops as sold and provide sales data.

Inventory Detail

* Three countertop types:
  + Kitchen
  + Vanity
  + Bar (has two subtypes)
    - Bar 27”
    - Bar 36”
* Countertop attributes:
  + Color (primary identifier)
  + Dimensions (length, width, height)
  + Edging/backsplash type (all “stock” countertops have the same edging and backsplash)
  + End caps and edge band
  + Maybe total ft. of countertops in inventory?