



E/R Diagram

# Assumptions

- Anonymous products browsing allowed
- Updates on products don't happen very often
- SKU is universally unique
- Any purchase would require a registered customer in session
- Any category or product modification would require a registered owner
- No product is free ( $\text{price} > 0$ )

# Our Implementation

- Shopping Cart persistent in database
- Modification on the amount of a product will overwrite previous record in shopping cart
- Customer's purchase would be consistent with the last shopping-cart page
- Deletion on products are not allowed if any of the products are in shopping cart, but are allowed once they are purchased

