Application
+ main(String args[])

+ UI

HaddProduct(name: String, quantity: int, price: float, date: Date)
+ removeProduct(barcode: int)

+ updateProductName(barcode: int, name: String)
+ updateProductQuantity(barcode: int, quantity: int)
+ updateProductPrice(barcode: int, price: float)
+ updateProductExpiryDate(barcode: int, date: Date)

QueryLogic
+ getFullProductList: List<Product>

Product

- barcode: int
- name: String
- quantity: int
- price: float
- expiryDate: Date

// only has getters, and is thus immutable. should only be used for transport



