# Initial Subsystems

* Catalog
  + Catalog Manager
  + Catalog Accessor
* Cart
  + ~~Cart Manager~~
* Sales
  + Order Manager
  + Order Accessor
  + Cart Accessor
  + Shipping Accessor
  + Shipping Rules Accessor
  + Payment Accessor
  + Tax Calculation Engine
  + Volume Discount Calculation Engine
  + Coupon Validation Engine
  + Coupon Rules Accessor
  + Seller Accessor
  + Tax Rules Accessor
  + Volume Discount Rules Accessor
* Remittance
  + Remittance Manager
  + Remittance Accessor
* Notification
  + Notification Manager
  + Email Formatting Engine
  + Email Accessor
* Common
  + ~~Tax Calculation Engine~~
  + ~~Volume Discount Calculation Engine~~
  + ~~Coupon Validation Engine~~
  + ~~Coupon Rules Accessor~~
  + ~~Seller Accessor~~
  + ~~Tax Rules Accessor~~
  + ~~Volume Discount Rules Accessor~~

# Epic/Workflow

* Buyer purchases a product(s)
  + Use cases
    - Browse a catalog of products
      * IWebstoreCatalogManager
        + StoreCatalog
        + Show ()
      * ICatalogAccessor
        + Catalog
        + Find ()
    - View details of a product
      * IWebstoreCatalogManager
        + Product
        + ShowProduct()
      * IProductAccessor
        + Product
        + Find()
    - Add product to a shopping cart
    - Remove product from shopping cart
      * ICartManager
        + Product
        + AddProduct()
        + RemoveProduct()
      * IVolumeDiscountCalculationEngine
        + Validate()
      * IVolumeDiscountRulesAccessor
        + Rules
        + Find()
      * ICouponValidationEngine
        + Validate()
      * ICouponRulesAccessor
        + Rules
        + Find()
      * ITaxCalculationEngine
        + Calculate()
      * ITaxRulesAccessor
        + Rules
        + Find()
      * ICartAccessor()
        + ShoppingCart
        + Find()
        + Save()
    - View the shopping cart
    - View cart totals
      * ICartManager
        + ShoppingCart
        + Show()
      * ICartAccessor
        + ShoppingCart
        + Find()
    - Enter a coupon for a discount
      * ICartManager
        + Coupon
        + EnterCoupon()
      * ICartAccessor
        + ShoppingCart
        + Find()
        + Save()
      * ICouponValidationEngine
        + Validate()
      * ICouponRulesAccessor
        + Rules
        + Find()
    - Select a shipping option
      * ICartManager
        + ShoppingCart
        + ShippingOptions
        + ShowShippingOptions()
      * IShippingCalculationEngine
        + ShippingOptions
        + Generate()
      * IShippingRulesAccessor
        + Rules
        + Find()
    - Enter billing and shipping information
    - Pay for an order with a credit card
      * ICartManager
        + ShoppingCart
        + Save()
      * ICartAccessor
        + ShoppingCart
        + Save()
    - Submit order
      * IOrderManager