INFO 5100
Application Engineering and Development

Week 5

Agenda

- Design a Vending Machine
- Design an E-Commerce System

Design a Vending Machine

- Design a vending machine that allows
    - Contains Products
    - Products are identified by the an ID, and should have a price
    - User should be able to purchase a Product by giving an amount of money
    - Ability to give out exchange
    - Vending machine is preloaded with money (1 cent, 5 cents, 10cents, 50cents, etc)

- Bonus
    - How to give out exchange with minimum coin possible
    - How to allow User to purchase multiple Products in one transaction

Design an E-Commerce System

- Design an E-Commerce System
  - Shopping System
    - Buyer purchase history
    - Seller selling history
  - Inventory Management
  - Deals and Promotions
  - Supplier Management