Data Model

- This class represents a real entity in the organization

- Examples of entities:
  - Visitor of the website
  - Product for sale: computer
  - Mail message
  - Blog entry, Comment

Data Model (con't)

- Data models contain properties that are unique/descriptive to that entity
  - Harddrive for sale: has property of:
    - size
    - suggested sale price
    - speed
  - Does **not** have property of:
    - favorite song

- Data models contain methods that understand their properties
  - User has methods:
    - fullname() - brings together properties

Data Model (con't)

- Very dumb

- Harddrive example:
  - has a property called suggested sale price
  - has a property called sold price

  - What happens if the sold price is less than the suggested sale price?

    - This model does not care. It's a dumb data store

Sneak peek: Domain Logic Model

- Validation of the sale price would be done in the domain model

- What about string length?
  - Understand that your limits should be on your domain product
    - Is it true that your limit for a product is 255 chars - just cuz its a varchar(255) column?
      - Your data provider should handle your requirements, not the other way around

To Summarize Data Model

- Represents some sort of entity

- Has properties of that entity

- Has methods that understand its own properties only

- Dumb

- Could be really messed up if it doesn't have a relationship with a Domain Object