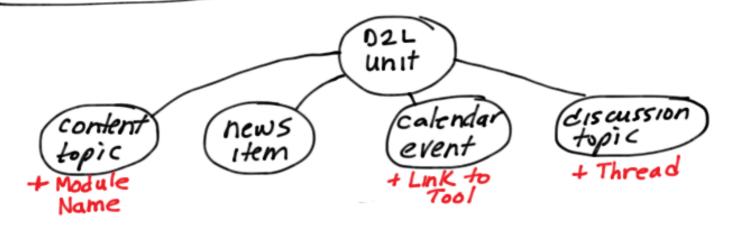
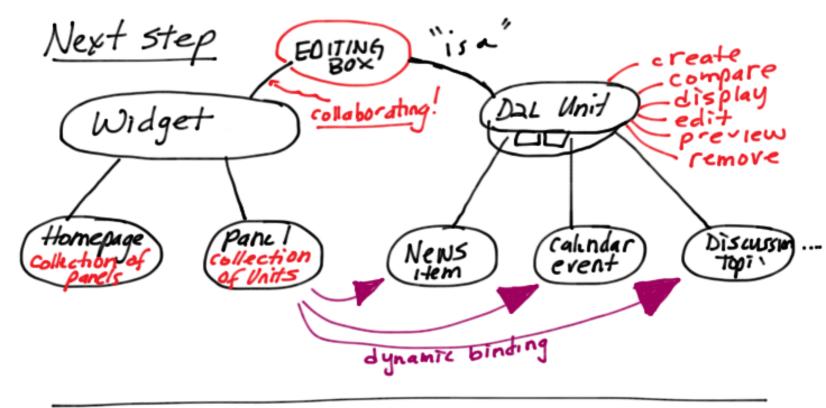
Example Designs - Procedural Vs. 00 NOTICE THE COMPLEXITY USING Procedural ABSTRACTION toolbar Manage calendar Add Display Remove open display display Schedule current calendar EZHOR events create a new Find an Delete cvent event List all Release Search Editor Function Events some places you have sometimes it to save first then set is displayed an release criteria, other the same page & sometimes it has its times it saves own "tab" automatically!

Break the Problem into Objects

- Editing Box State information D2L "Unit"

- Schedule (start/stop/post in calendar)
- Restrictions (activities that must be done before this unit is active
- Create New
- Edit Existing
- Remove
- Display
- Preview ! - Compare ...

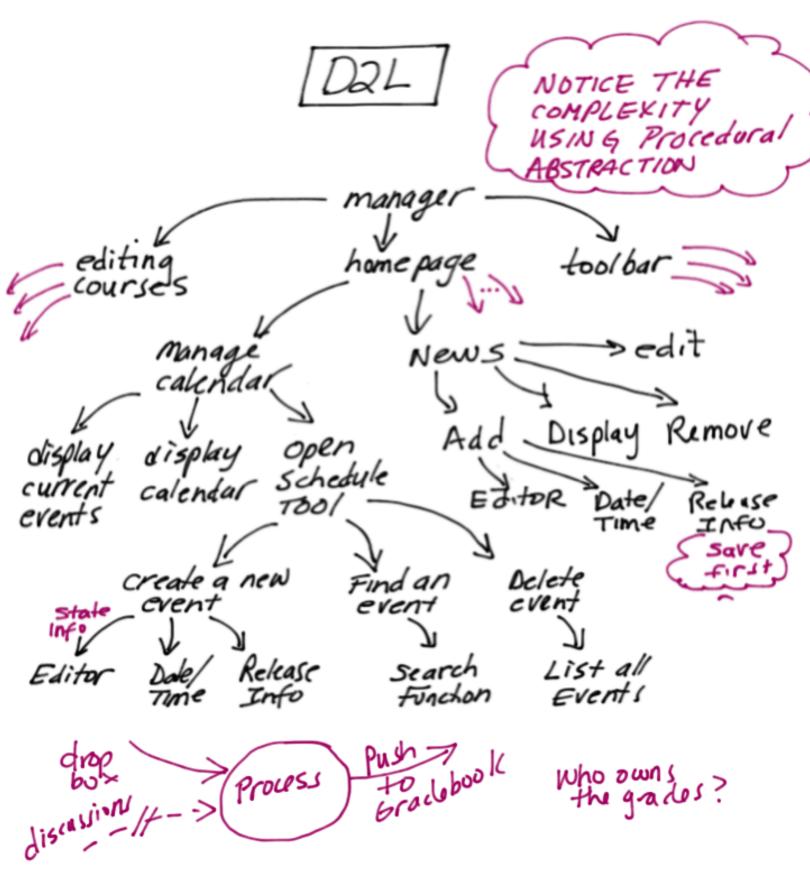




Result

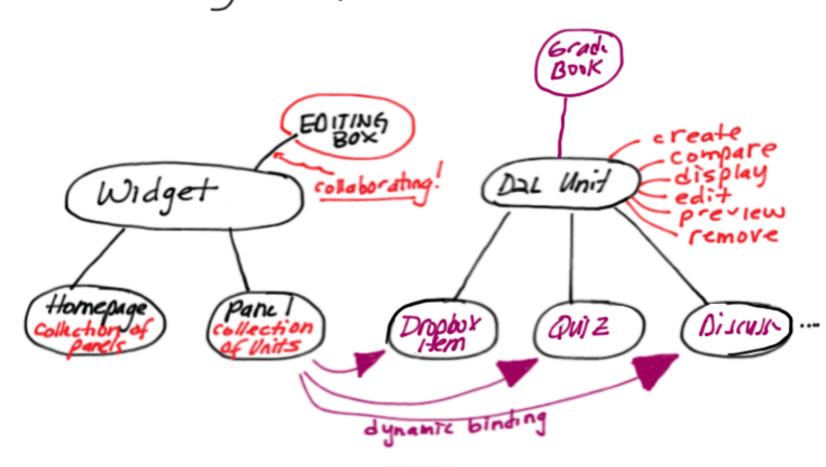
- 1) Every editing box will be /act/appear the same
- 1) Static data could be used so all editing box instances would share size of the box !!
- 3) All tools could be previewed the same way
- 4) Restrictions would be consistent
- 5) Question: "has a" vs. "is a" relationships for the "DZL Unit"

What about Grades?



One Gradebook!

- Static clata members will Share among all objects!



Example #2 - Real Estate Brokerage handling investment real estate

Nouns

house, address, Square ft, #bedrooms, #bathrooms lot size, property taxes, size of rooms, number of levels

Physical

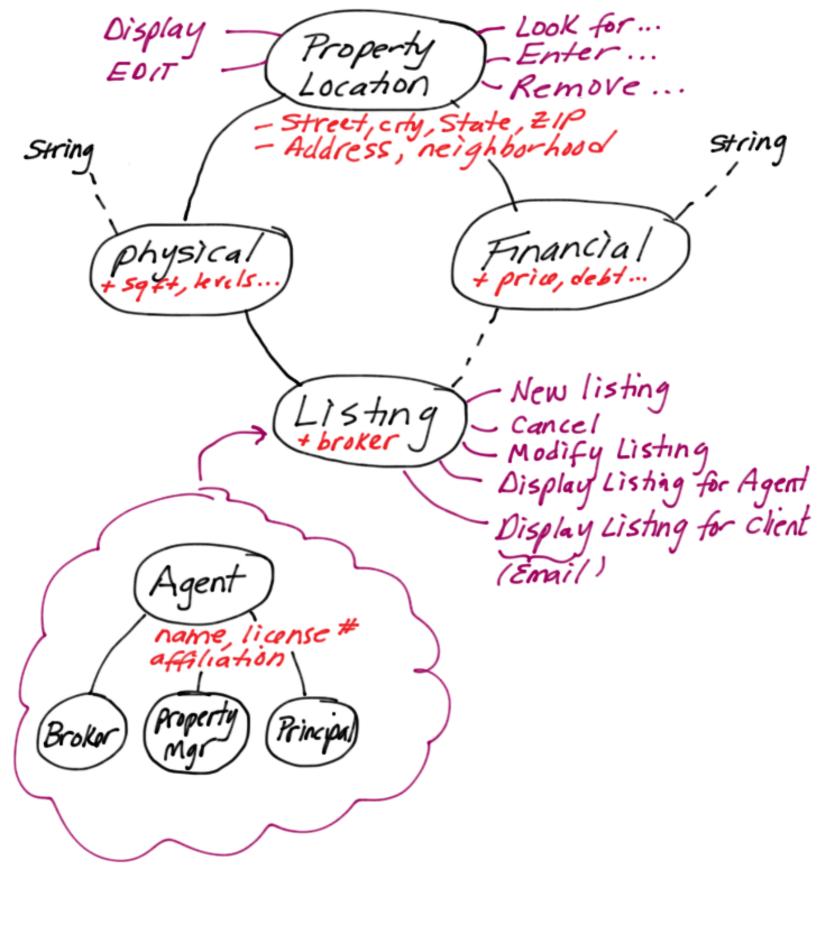
Financial, price, debt, price per squareft,

rental \$, interest, property taxes owed,

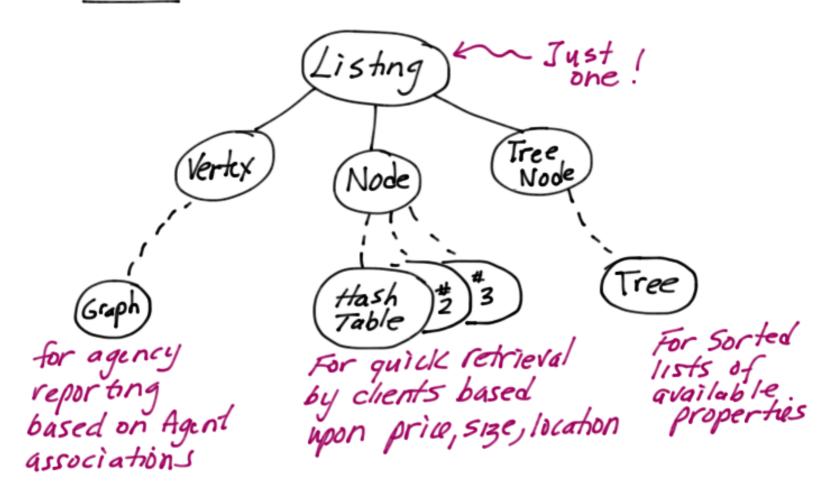
closing costs

Financia/

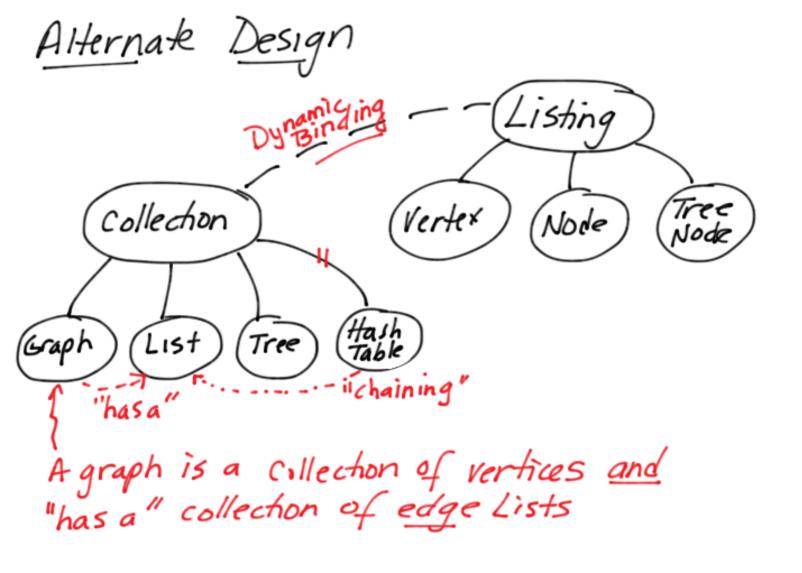
Collection of houses, type of property, neighborhood, search criteria, bank owned, short sale, seller financing, hoa's, etc.

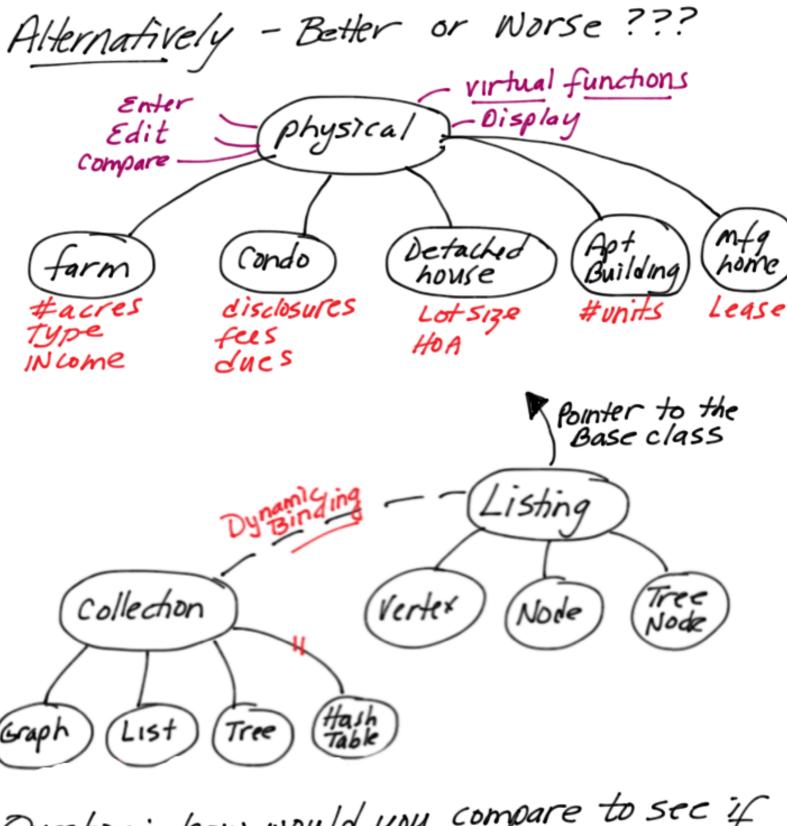


Collections!



Question - how many of these use LLL?



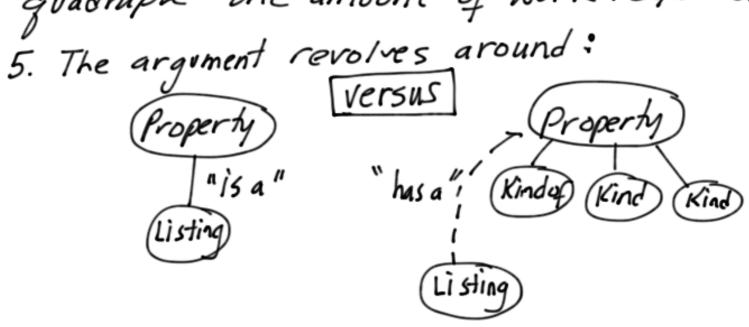


Question: how would you compare to sec if a Listing has the square ft. desired?

more work or less?

DISCUSSION

- 1. On one hand now Condos won't be listed when looking for a farm
- 2. But, other than that does it simplify the design or make it more complex
- 3. How often do we want to only work with one type excluding all others?
- 4. If you ever want to work with multiple categories it may double, triple, or quadruple the amount of work required.



Examples of C# & Java Projects

For each set of example code, answer the following questions

(Online Students - these questions can be found as Part of Lecture #8 Activity #2 on DQL or may be submitted to the DQL dropbox. Results will be reviewed during Lecture #9 on June 4th)

- 1) Prepare a general object diagram with the classes with "is a" & "has a" relationships
- 2) Find 3 constructs that convince you that it is an 00 solution
- 3) Find 3 constructs within the implementation that are [NOT] Object Oriented
 4) Rate the design 1-10 Best