Today - Lecture #19 - C5163

- 1) Practice
- 2) Remember: (Lecture #18 is the prep for final)

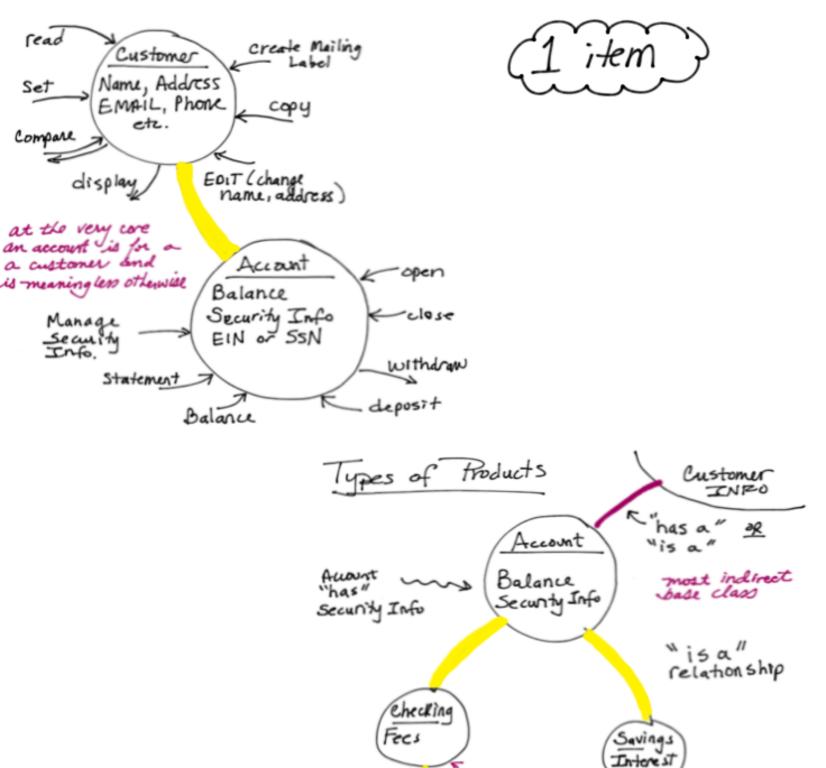
Rules

- closed book, closed notes
- -/hr 50 mins
- bring picture ID

When?

Requests for Review

- 1) BST & Graph implementation
- 2) OOP & data abstraction
 - * how to handle multiple data structures referencing the same data



Student

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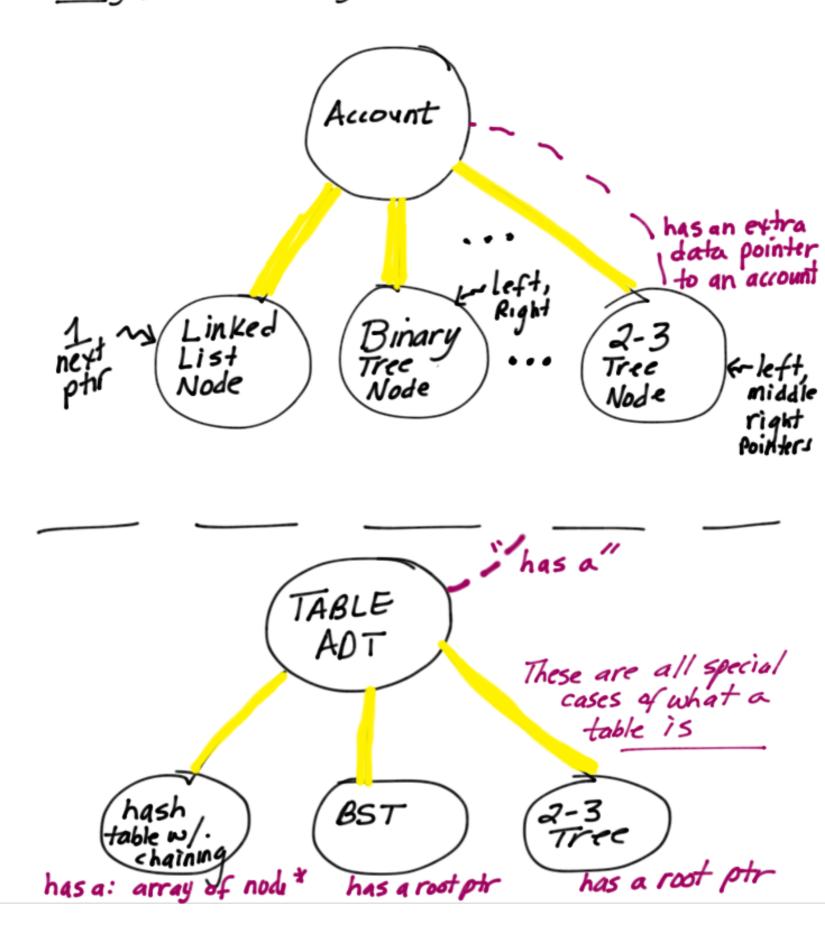
derived from Account. Base class

Base class == Parent == Super class

Derived class == child == Subclass

of Student

Many items - using data abstraction



<u>Renew</u>

- 1) Add/Remove at the end of a LLL or DLL
- 2) Dequeue from a LLL or CLL
- 3) Pop from a LLL
- 4) Deallocate a hash table can you do this using pointer arithmetic
- 5) Hash Tables creation, traversal, insertion, deletion
- 6) BST-[homework #3]
 - make a copy (duplicate) of a BST
 - Display only nodes with I child
 - count the number of nodes in a BST
 - FIND the inorder successor
 - Remove the largest item
 - Display the two largest items
- 7) Recursion ** critical!