CS2100 Lists

Note Title 10/21/2011

Announcements

- Vector HW-up today

Lists:

Motivation: insert in vectors is slow!

(Running time?) O(n)

Idea: If I know where the element should go, inserting should be easy.

inked Lists 020 ~ head ocation insert (ORD)

Retter: Circularly linked lists

troblem: Pointers! What do we need in order to know where we should insert? - head pointer to a Node class whose private data
15 Simply one pointer hide all possibility of sea An iterator will give the user a "pointer", but with a heavily controlled structure.

(So they can't touch nodes directly.) Compromise: Functionality versus into encapsulation goal: protect data a user

STL functions
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List < int> my list;

2 internal classes