CSE 113 B
April 12-16, 2010

ANNOUNCEMENTS

- Exam 4 Review – Wednesday, April 21st
- Exam 4 – Friday, April 23rd
- Lab 4 due - Sunday, April 25th
- Exam return – Monday, April 26th
### Lifts Scenario: Important Info

- World is a building and we can set how many floors and how many elevators.
- Worlds can tell us which floor a given y-coordinate is on.
- Buttons have a method to press them for a particular direction, so if we want to press the up button, we should call the method `press` and pass in "UP".

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### Lifts Scenario: Important Info

- When we are done with a floor, we can call the `clear` method to effectively un-press the button on that floor.
- Floors know which floor they are and we can call a method named `getFloorNumber` on them to find out which floor they are.
- Floors have a method for pressing and un-pressing the buttons as well.
Floors have a method that can be called when an elevator gets to the floor - right now, it doesn't work properly.

People know if they are on the elevator or on the floor.

People know where they started and where they want to go.

Added some functionality to lifts example – code is posted.

Lifts example will not be on Exam 4.
BACKGROUND (FOR NEXT TWO LECTURES)

- Spring 2000 -> Today
  - An example of what has changed
- Computers can do many things
  - There is sometimes no “correct” answer
- What should computers do?

FIVE MINUTES (DISCUSS IN SMALL GROUPS)

- Can we write a program that flies a plane?
- Should we write a program that flies a plane?
- Do we use programs to fly planes?
Discuss previous questions

Can we write a program that drives a car?
Should we write a program that drives a car?
Do we use programs to drive cars?
How is this problem different from the previous one?
Ten Minutes

- Discuss previous questions

Five Minutes (Discuss in Small Groups)

- Can you think of something that computers should never be allowed to do?
Discuss previous questions