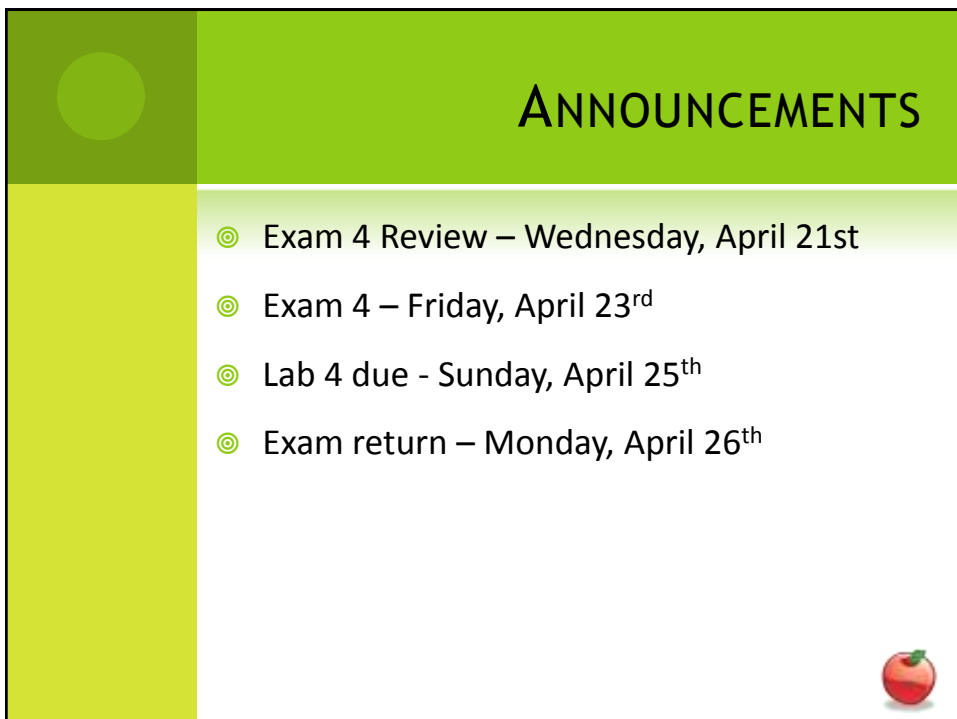



**CSE 113 B**  
April 12-16, 2010



## ANNOUNCEMENTS

- ⊙ Exam 4 Review – Wednesday, April 21st
- ⊙ Exam 4 – Friday, April 23<sup>rd</sup>
- ⊙ Lab 4 due - Sunday, April 25<sup>th</sup>
- ⊙ Exam return – Monday, April 26<sup>th</sup>



3

## 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".



4

## 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.



5

## LIFTS SCENARIO IMPORTANT INFO

- ⦿ 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.



6

## WEDNESDAY LECTURE

- ⦿ Added some functionality to lifts example – code is posted.
- ⦿ Lifts example will not be on Exam 4.



7

## 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?



8

## 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?



9

## TEN MINUTES

- ⊙ Discuss previous questions



10

## FIVE MINUTES (DISCUSS IN SMALL GROUPS)

- ⊙ 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?



11

## TEN MINUTES

- ⦿ Discuss previous questions



12

## FIVE MINUTES (DISCUSS IN SMALL GROUPS)

- ⦿ Can you think of something that computers should never be allowed to do?



13

# TEN MINUTES

- ⊙ Discuss previous questions

