CSE 113 A

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.

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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.

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Wednesday Lecture

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

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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?

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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?

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Ten Minutes

- Discuss previous questions

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?

Ten Minutes

- Discuss previous questions

Five Minutes (Discuss in small groups)

- Can you think of something that you think a computer should never be allowed to do?

Ten Minutes

- Discuss previous question