Agenda

- Announcements
- Projects and Quizzes
- Regrades
- Things I lied to you about
- Applets
- Questions
Announcements

- Projects
  - Hash Table project due Today at 11:00 PM
- Quizzes
  - We will have a quiz on Thursday
- Regrades are complete
Last Week’s Issues

• Heaps and recursion
  • isComplete() is difficult, too much so for a quiz
  • Seemingly correct, updated implementation on last week’s slides
Applets

- General Idea:
  - A Java “application” that can be embedded in a web page
  - Much more power than typical HTML4
  - Can provide much more interactive features
Applets

- Highlights
  - Each applet is executed in a sandbox environment
  - That is, applets cannot talk to each other or access the underlying host system (UNLESS YOU LET THEM)
  - Many of the Java application concepts carry over to applets
  - Every applet is a subclass of the java.applet.Applet class
Security Considerations

• “Sandbox” environments is designed to keep Java applets from accessing the underlying host

• There are ways around this security:
  • Signed applets ask for permissions to execute
  • Java-based exploits allow you to circumvent this security
  • “Preferred attack vector” for exploits in 2010
Interacting with Applets

- Applets do not have a main() method
- Instead provides four methods for controlling applet execution:
  - init()
  - start()
  - stop()
  - destroy()