



Applets and Conclusion

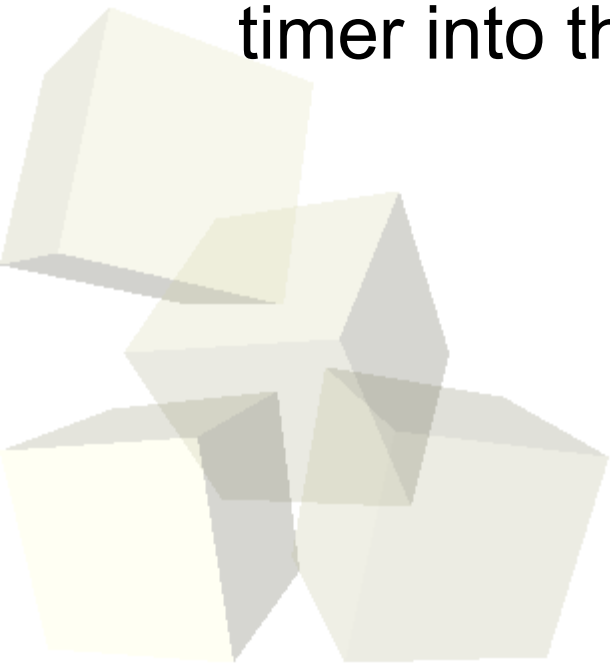
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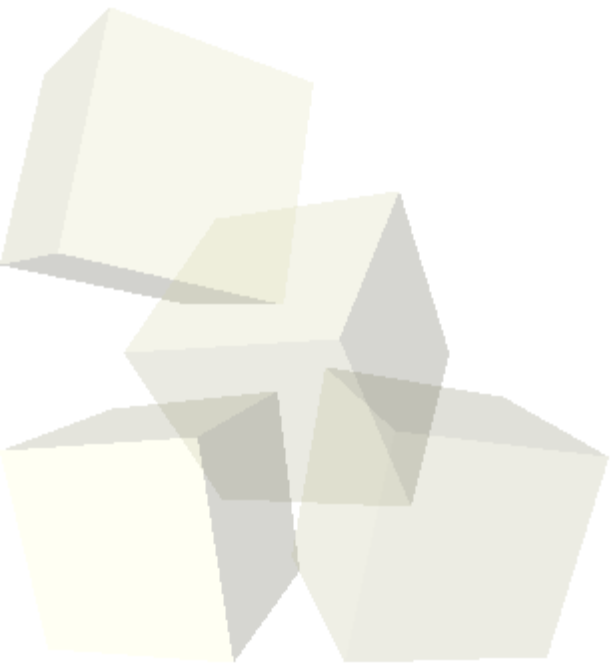
Opening Discussion

- Do you have any questions about the project?
- Minute Essays
 - ◆ Other options for extra credit?
 - ◆ Don't bang your head against a wall for very long on the project. Talk to me when you hit roadblocks.
 - ◆ Does your project have to have graphics? No.
 - ◆ We could make moving/interactive graphics the same way we made them separately. I just have to add a timer into the second program.





- One of the original applications that made Java so popular was the applet. This is when you embed a Java program inside of a web page.
- This can be done by extending the `javax.swing.JApplet` class.





Milestone Methods

- There are four methods in an applet that you should consider overriding. That means you write your own version of them.
 - ♦ `public void init()` - This method is basically like a constructor for an applet. It should set up the properties you are going to use.
 - ♦ `public void start()` - This gets called when the applet should start doing something. Only matters if an applet has an animation or something like that. Threads needed.
 - ♦ `public void stop()` - This is the opposite of start.
 - ♦ `public void destroy()` - This cleans up anything that should be cleaned up after the browser is done with the applet.



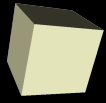
- This course has covered quite a few different topics with the semester cleanly split between Alice and Java as the “languages” utilized.
- Alice
 - ◆ Methods
 - ◆ Variables – local, parameters, properties
 - ◆ Conditionals
 - ◆ Loops
 - ◆ Lists/Arrays
 - ◆ Events
- Java
 - ◆ Same as Alice, plus
 - ◆ Classes
 - ◆ Files
 - ◆ GUIs



Primary Objectives

- Courses aren't just about what material you cover though, especially one like this.
- This class was intended to be largely about how you approach and solve problems.
 - ◆ Method problem decomposition in Alice.
 - ◆ Added layer of class decomposition in Java.
- I wanted to make you think.
- I wanted to give you new ways to think about things and new ways of approaching problems.





- Course Evaluations – These are important documents that you used by me to improve the course and by others to determine the quality of teaching. Please take time to fill them out and provide comments.
- For your minute essay, tell me when you would want to do a review session for the final. I'll be posting a review sheet.

