Wednesday March 24

Today students describe the design pattern papers they looked up, specifically how the patterns relate to their projects.

Monday March 29

Dr. Saad is trying to formulate the requirements for part 2 of our project. The deadline has been pushed back a bit.

We'll begin discussing implementation...

http://www.sei.cmu.edu/sepg
Reading assignment: Look at the list of topics for the program.

Chapter 7 Slides – Writing the Programs
Read through the slides...
The slides may not be as useful as what's at http://wps.prenhall.com/esm_pfleeger_softengtp_4/111/28507/7297856.cw/index.html

SOFTWARE IMPLEMENTATION

Using GRAPHS (TREES) to represent software
• Flow
• Invocation
Organize / Test?
+ Automated Tools?

Software Implementation →
1. Which Programming language/framework?
2. When to commit to choice of language?
   @Design time vs. @Implementation
3. Why pick a particular language?
   Application driven
   Software App | Operating System | Hardware
The Go programming language - http://golang.org
A list of languages students may use in their projects this semester:
   C++ | Java | JavaScript | PHP | Java for Android | Perl | Go | Objective C


Read for Wednesday - Software Standards Documentation

Document within source code & prepare documentation for the end user.

Code Generation -
  Discussion of 4GL
  Rational Rose
  Model Driven Code Generation

Code (software) Visualization -
  www.cc.gatech.edu/gvu/softviz/
  http://mitpress.mit.edu/catalog/item/default.asp?ttype=2&tid=4076
  http://vidi.cs.ucdavis.edu/research/softvis

Java -

Java Development –

(again, see http://wps.prenhall.com/esm_pfleeger_softengtp_4/111/28507/7297856.cw/index.html for more links and pointers)

A few topics to leave with:
  Requirements for the project... What's due & when?
  Documentation – What's pertinent to our topic?
    Documented source code & Documents for end user.

FOR WEDNESDAY 3/31
1. SW Doc. Paper
2. Identify / Propose - Levels + Types of documentation that are most applicable to your project.