COMP 413 Fall, 2016, Course Overview / Preliminary Schedule

Some Key Dates
13 Sep (week 3): project 1 due
20 Sep (week 4): quiz 1
23 Sep (week 4): project 2 due
27 Sep (week 5): test 1
11 Oct (week 7): no class (Mid-Semester Break)
21 Oct (week 8): project 3 due
25 Oct (week 9): quiz 2
01 Nov (week 10): test 2
04 Nov (Friday): withdrawal deadline
22 Nov (week 13): project 4 due
29 Nov (week 14): test 3
06 Dec (week 15): last class + quiz 3
13 Dec: test 4 (final) + project 5/6 presentations and final project due date

Week 5: 27 September

Session

- ***test 1***
- announcements
    - project 3 team formation
- more Design Patterns
    - Decorator and Composite
    - Visitor revisited
    - Resources
- [tutorialspoint website](#)
            - Bob Tarr pdf slides on Sakai
            - APPP Design Pattern references
                - Decorator: part of Chapter 35
                - Composite: Chapter 31
                - Visitor: Chapter 35
- project 3
    - Shapes interface and Visitor<Result> generic interface
        - concrete Shapes: Circle, Rectangle, ...
        - concrete Visitors: Draw, Size, and Bounding Box
    - project 3 TODOs (Android Studio: Tools => View => TODO)
    - project 3 Decorators: Outline, Stroke, Location, ...
    - Android Canvas and Paint classes and online documentation
    - Unit tests using Gradle and Mockito; the Fixtures class

Reading/Podcasts

- Bob Tarr pdf slide sets on Decorator, Composite, and Visitor Design Patterns
- APPP chapters 4-6 and Design Patterns chapters as above
    - Testing; Refactoring; A Programming Episode
    - Decorator, Composite, and Visitor Design Patterns
- [SE Radio episode 167 on unit testing](#)