CS3773 Midterm Exam Review

Spring 2014

- Software engineering principles and concepts:
  o What is software engineering
  o Software engineering Process, Methods, and Tools
  o Attributes of good software systems
- Software process models: steps, artifacts produced, activities
  o Waterfall model
  o Incremental model
  o Prototype model
  o Iterative model & RUP
  o Agile model
- Software requirements engineering
  o What are requirements
  o Types of requirements: functional, quality constraints, design constraints, process constraints
  o Different kinds of stakeholders and their roles
  o Requirements engineering process
  o Elicitation techniques
- UML notations
  o Use case diagram
  o Sequence diagram
  o Class diagram
  o State machine