CS 121
“Ordering Chaos”

Course Summary

“Mike”
Michael A. Erlinger
Course GOALS: What Do you Think!!
Course Goals:

• **Experience the process of software development**
  - Real Project
  - Real Customer
  - Limited time and resources

• **Outreach to middle school**
  - Contact with Students and Teachers
Software Develop Process: What Do you Think?
Software Development Process

Phase 1

- Organization
  - Creating a team
  - Management position…what to do

- Task Understanding
  - High Concept
  - Research of others
  - Technology Assessment

- Requirements
  - Difficulty
  - Customer Relationship
  - Specification
  - Use Cases
  - Prototyping

- Proposal
Software Development Process
Phase 1 Cont – Alpha Release

• Management
  • Weekly development, CODE!!
  • Goal Stack
  • Keeping in touch with customer

• Architecture
  • How to Specify
  • Domain Diagrams
  • Class Diagrams
  • Sequence Diagrams

• UI Design
  • Attributes of UI
  • UI Test – necessary because developer is NOT user

• Testing - CONSTANT
  • Types of testing
  • Test Plan
  • Test Driven Development
Software Development Process

Phase 3 – Beta

- Project Development
  - Constant – project analysis
  - Constant – Documentation update, diagrams
  - Constant – User input, new requirements, goals,
  - Constant - Goal stack prioritization
  - Constant – Code development
    - Code analysis
    - Code standards enforced
    - Code walk throughs
  - Constant – Testing
    - User tests
    - Project tests
Software Process

Phase 4 – Release

• More of the same…

Phase 5 – Maintenance and Additional features

The SUMMER!!!
What Do you Think
Is Applicable to ANY Clinic?
Surveys:

- College Course Evaluation
- Team Survey – linked off the Calendar
The End