Course Retrospective Richard Anderson

CSE 403 Lecture 27







Tradeoffs

- Engineering is about resource tradeoffs
- Constraints
 - Money, Time, Resources, Personnel, Environment
- Where to cut back
 - Quality, Features, Bug fixes, Process, Generality, Schedule, . . .



- Developing software is planning under uncertainty
- Source of risks
- Assessing and tolerating risks
- Risk Mitigation





General understanding of design can

Provide a good conceptual model

help the design of software

Basic design rules

Make things visiblePrinciple of MappingPrinciple of Feedback



Design



Quality assurance

- Independence of QA
- Many different aspects of quality
- Deliverable of QA is information
- Write it down

Testing

- Plan for testing from beginning of project
- Bug management process central in shipping a product

