

Presentation Topics

Work with a partner, or individually

Select one topic for submission and presentation to the class

Topic material will be included on the final exam

- Best practices
 - Include general
 - Include specific to software engineering
 - Include specific to coding (include C#)
- Cloud computing
 - Overview
 - Advantages/disadvantages
 - Issues specific to software engineers
- Design patterns
 - History
 - Purpose
 - Example(s)
- UML
 - Include diagram types and usage
- Refactoring
 - Overview / History
 - Examples
- Secure coding practices
 - Include overview
 - Include examples
- Agile Software Development
- Extreme Programming
- Code Review
- User training (Including:)
 - User manuals
 - Online help
 - Training courses
- Waterfall model
- Test Driven Software Development
- Software metrics

- Interviewing
 - How to effectively interview clients
 - Include techniques and guidelines
- Automated testing tools
- Performance testing
- Software brittleness
 - Defined
 - Overview /Solutions?
 - Examples
- Configuration management or source code management
 - Defined
 - Overview
 - Purpose
 - Examples
- International Organization for Standardization(ISO) 9000 family of standards
 - Defined
 - Overview
 - Purpose/Use
- Open Source software
 - History/Overview
 - Evolution
 - Implications for software developers