

Class Project

● Process

- Form your team
- Pick a topic
- Requirement engineering
- Design
- Implementation and testing (2 stages)

Form your team

- Due Aug. 30 in class
- 3 - 4 team members
- Diversity
- Communication is important

Pick a topic

- ◎ Predefined topics
 - Android apps: calendar, messenger, etc.
 - More details to come
- ◎ Other topics
 - You can choose other topics, but it should be still be a Java project
 - Need to talk to instructor before decision

Requirement Engineering

- ◎ Brief requirements in natural language will be provided for each project topic
- ◎ Deliverable
 - Requirement Documents:
 - Use-case diagrams
 - Natural language specification

Design

- ◎ Deliverable
 - Class diagram
 - Sequence diagrams for two scenarios
 - Design documents may be changed after submission based on feedbacks

Implementation & Testing

◎ Deliverable

- Source code
- Binary code
- Documentation
 - API documents (using JavaDoc)
 - User manual
- Unit tests

Presentation

- ◎ Presentation
 - All team members present part of their work
 - Lessons learnt during development
 - Demo

Project Timeline Overview

- ◎ Requirement (Sept.)
- ◎ Design (Sept.)
- ◎ Implementation & Testing (Oct. - Nov.)
 - mid-point review

Project Outcome Overview

- ◎ Deliverables
 - Requirement docs
 - Class and sequence diagrams
 - Code and binary files
 - Unit tests
 - Documentations

Evaluation

- Project quality
- Documentation
- Process quality & teamwork
- Presentation

Project quality

- ◎ Evaluation base: code and tests
 - Core features implemented
 - Coding style
 - Comments
 - Unit test quality

Documentation Quality

- ◎ Evaluation base: documents
 - Specification, design documents, API documents, test documents, user guide
 - Correctness
 - Completeness
 - Readability

Process Quality & Teamwork

- ◎ Evaluation base: Git history
 - Use Github for the team project
 - Quality of commits
 - Issues, pull requests, etc.

Presentation

- Evaluation base: presentation & demo