

# Open Source SW & Lab - Summer 2023

## Final Project

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### **Based on:**

Pro Git (2022) by Scott Chacon, Ben Straub

# Final Project

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- **Goal:**

- Develop a new project
- Improve an existing project

- **Project range**

- Must be software/programming based
- Programming language: any
- Target field: computer / mobile / web / etc.

- **Workflow**

- Choose between centralized and integration-manager workflow
- At least 6 pull-requests per member (4 pull-requests for maintainer)

# Evaluation

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- **OSS techniques utilization (5)**
- **Collaboration quality (5)**
- **Demonstration of final product (5)**
- **Presentation quality (10)**
- **Peer-grading (5)**

# Presentation guide

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- **Introduce your goal/topic**
- **Describe your workflow**
  - Which workflow?
  - How did you collaborate?
  - How your final program came to be?
  - Who contributed what?
  - (i.e., the full development process)
- **Show the demo**
- **Discuss the pros and cons that you faced in the process**
- **Some hints for a good presentation**
  - Do not use words only
  - Use branch-flow graphs, workflow graphs, etc. for effective presentation
  - Do not just present **what**, but explain **why**
- **Note:**
  - You should also collaborate on making presentation slides (e.g., google slides)

# Project examples

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- **Keep in mind:**
  - You have only 3 days to complete the program
  - Keep 1-2 day for presentation slides preparation
- **Project difficulty level**
  - Similar to the following projects:
  - Banking system (with admin and customer interfaces)
  - A small board game
  - A file management system
  - GUI development for tic-tac-toe, etc.
  - You may take an existing project and add new interesting/useful features
- **Be aware of plagiarism!**
  - You may refer to some lines of code
  - But copying a significant amount will not be allowed