Today's Agenda

- Guidance
- Practices for software development tools

Note: This class will be conducted in Japanese.

Guidance

Goals

- Learn the fundamental skills for software development
- Experience the agile development through group works

Skill-sets

- Basic knowledge of agile development
- Group development
    - communication skills; management and tools
    - Scrum (body of knowledge, experience)

Eligible Students

- Master course students
    - Information and Data Science Program (Division of Advanced Science and Engineering)
    - Others
- Text/References
    - Materials are provided

Grade

- Artifacts for practices (individual or group)
- Final presentation (group)

Environment

- Register the team ソフトウェア工学特論2025-Teams
- Q&A is available on the channel QA in the teams anytime
- The documents are distributed thgourh MS Teams.

Schedule

- Week 1, June 11 (Wed.) 8:45-12:00
  - Guidance
  - Practices for tools
    - VSCode
    - Markdown
    - Linux
    - Git/GitHub

- Week 2, June 18 (Wed.) 8:45-12:00
  - **Making teams**
  - TDD (Test-Driven Development)
  - Mob programming
- Week 3, June 28 (Wed.) 8:45-12:00
  - TDD with Git/GitHub
  - GitHub Flow
  - GitHub Actions
  - CI/CD (Continuous Integration/Continuous Deployment)

- Week 4, June 25 (Wed.) 8:45-12:00
  - Agile development, Scrum
  - Playing Scrum for a project of something
- Weeks 5, 6, 7
  - Group work: Building a product with Scrum
  - Review
- Week 8
  - Presentation for the product (Video)

Making teams

Notice

- Group work starts from the next week.
- Team members are fixed through the class.
- Dropping-out causes a lot of troubles to other members.

Questionnaire

1. Whether you definitely complete this class to the end.
2. Information on your experiences

**Input the form by June 13 (Fri), pm 5:00
(strict deadline, No credit of this class if you forget it)**

Questionnaire Form