Open-Source Software Practice
Final Project - Proposal Phase

Instructor: Jaemin Jo (`jmjo@skku.edu`)

October 25, 2022

1   Introduction

In the final project, you and your teammates will develop an open-source project. Your team can develop either a web page or a desktop application.

The project consists of three phases: **Proposal (due: November 7th)**, **Implementation (due: December 2nd)**, and **Presentation (December 6th)**. In the proposal phase, your team will write a proposal on the application to develop.

2   Evaluation Criteria

Your project will be evaluated in terms of the following:

- **Usefulness (10 pts)**: Is the application presented useful?

- **Implementation difficulty (10 pts)**: Does the application include advanced features that are challenging to implement? You don't have learn and use the Web technologies that we haven't covered in the class to earn a perfect score for this.

- **Open-sourceness (40 pts)**: Does the development process follow the practices in open-source software development, such as version control, branching, pull requests, issues tracking, publishing, testing, documentation, etc.? Does the project provide sufficient documentation so that the user can install, reuse, and extend the project?

- **Teamwork (10 pts)**: Do all team members actively participate in the project? Do the team members cooperate with each other?

Additionally, each member of a team will be evaluated in terms of the following:

- **Contribution (20 pts)**: How much does an individual contribute to the project?

- **Peer evaluation (10 pts)**: How do teammates evaluate an individual's participation?

3   Write a Proposal

Write a proposal. Include the following information in the proposal:

- **Contact information**: Names and email addresses of team members

- **Application type**: Which kind of applications will your team develop, a web page or a desktop application?

- **Theme**: What is the problem that your application addresses? What is the motivation, i.e., how did you come up with that problem? You can choose the theme freely, but all team members must agree with the theme.

    - **TIP**: At the end of the semester, you will vote for the best projects. Avoid common themes, such as restaurant recommendation, timetables, calendars, and stocks, to get more votes. I found students vote less for these themes unless the outcome is very impressive.

- **Sketch**: How does your application look? Add a sketch of your application.

- **Features**: What features does the application provide? What kind of interaction between the user and the application is possible?

- **Usage scenario**: Assume a fictional user and describe how the user uses your application from installation to exiting.

- **Task assignment**: List the tasks required for the development and describe who will do each task. **Important**: All members must participate in development and documentation tasks to some extent. It is not allowed for one member to take care of all development tasks or all documentation tasks. (한 명이 모든 개발을 다하거나 모든 문서화를 다 하는 것은 안됩니다.)

4   Submission

The due is **November 7th, 23:55 KST**. Upload a PDF file (up to 3 pages) to iCampus.

5   Copyright

You will hold the copyright of your work. I will not copy/redistribute/modify your work except for the grading.