Open Source SW & Lab - Summer 2023
0. Course Introduction

Walid Abdullah Al
Computer and Electronic Systems Engineering
Hankuk University of Foreign Studies

Computer Vision Lab
Hankuk University of Foreign Studies

Based on:
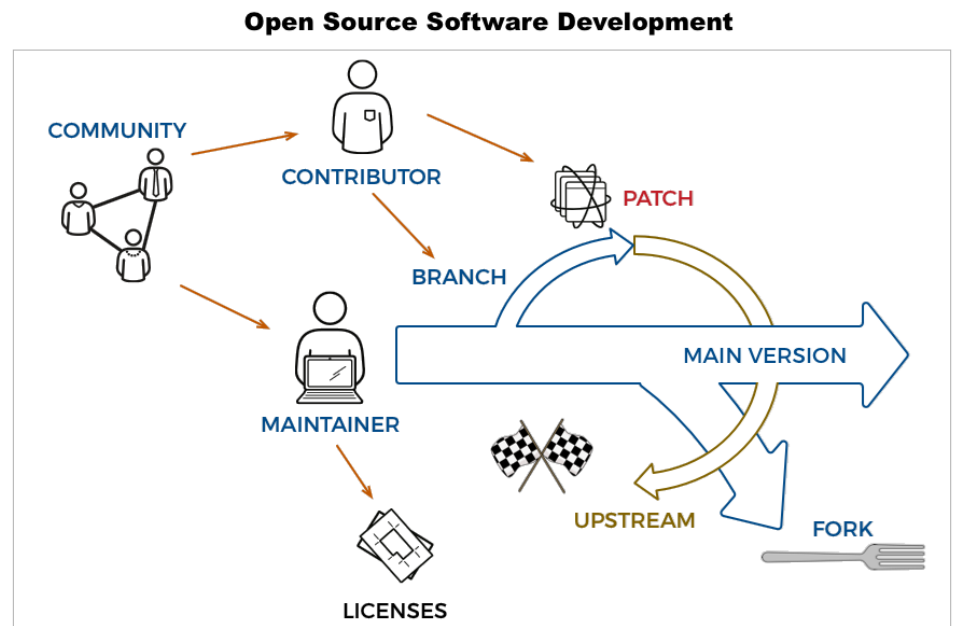Pro Git (2022) by Scott Chacon, Ben Straub

Open Source Software (OSS)

- **Source is open**
  - For accessing, modifying, redistributing
  - Modifications can be employed in the main version (upstream)
  - Or, remain as a separate branch (fork)
- **Pros?**

- **Cons?**

Open Source Software Development

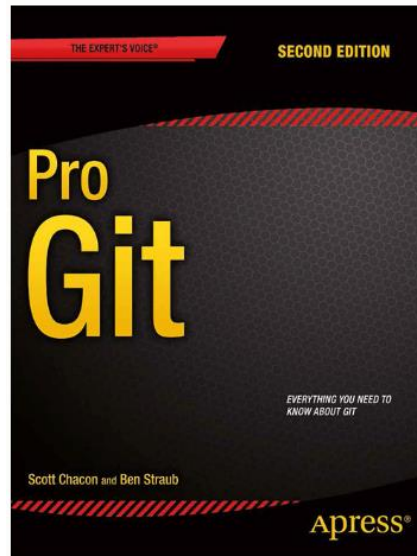https://www.stackinnovator.com/blog/what-is-opensource-anyway/

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Course Objective

- Introduce the key elements of OSS development
- Practically experience the OSS development using Git and Github

- How would this help you (if you are not interested in OSS)?
  - Learn to manage and contribute to a team/collaborative project effectively

Textbook

- **Lecture slides (uploaded before each class)**
- **Pro Git (2022), Scott Chacon, Ben Straub**
    - Link: https://git-scm.com/book/en/v2

Lecture Method

- **2 hours theory + 2 hours lab**
- **Just to know if you could follow along**
  - I will ask questions to random students
  - If you do not know the answer, just say: "I don't know"
  - Your grade/score will NOT be affected by these questions
- **A discussion rather than a lecture**
  - Ask me questions/give me your opinion
  - To do so, you may interrupt me anytime

Evaluation

- **Midterm (40%)**
- **Final Project (30%)**
- **Assignment (25%)**
- **Attendance (5%)**

The percentages of midterm and final project might be switched

- Lab assignments are simple but progressive/incremental
- Therefore, if you miss an assignment, it would be difficult to keep up with the following assignments.

Final Project

- **Team** (assigned after midterm)
- **Topic:** Developing an OSS project
- **Tasks:** creating, managing, contributing to an OSS

For any questions,

- **Contact me**
  - walid@hufs.ac.kr
  - Room#536, Engg. Building
  - (Mail before visiting)