Lab Course – Contributing to an Open-Source Project

Maximilian P. L. Haslbeck, Kevin Kappelmann, Lukas Stevens, Prof. Nipkow

Technical University of Munich

https://www21.in.tum.de/teaching/osp/WS20/

July 06, 2020
Lab Course

Content

- Theoretical Part
  - Fundamental concepts of open-source projects
  - Talks by invited speakers

- Practical Part
  - Plan and execute your contribution
  - 1-to-1 supervision, restricted scope

- Grading
  - Completion of learning material & active participation in discussions
  - Preliminary report
  - Implementation project & final report
Lab Course

Content

- Theoretical Part
  - Fundamental concepts of open-source projects
  - Talks by invited speakers

- Practical Part
  - Plan and execute your contribution
  - 1-to-1 supervision, restricted scope
Lab Course

Content

- **Theoretical Part**
  - Fundamental concepts of open-source projects
  - Talks by invited speakers

- **Practical Part**
  - Plan and execute your contribution
  - 1-to-1 supervision, restricted scope

Grading

- Completion of learning material & active participation in discussions
- Preliminary report
- Implementation project & final report
Theoretical Part

Fundamental Concepts of Open-Source Projects

- Version control
- Community management
- Software licenses
- Work with existing code base
- Interaction with open-source project
- Commit review process
Theoretical Part

Fundamental Concepts of Open-Source Projects

- Version control
- Community management
- Software licenses
- Work with existing code base
- Interaction with open-source project
- Commit review process
- Planning, implementation, testing, documentation
Theoretical Part

Fundamental Concepts of Open-Source Projects

- Version control
- Community management
- Software licenses
- Work with existing code base
- Interaction with open-source project
- Commit review process
- Planning, implementation, testing, documentation
- ... your ideas?
Theoretical Part

Fundamental Concepts of Open-Source Projects
- Version control
- Community management
- Software licenses
- Work with existing code base
- Interaction with open-source project
- Commit review process
- Planning, implementation, testing, documentation
- ... your ideas?

Talks by Guest Speakers (virtual)
- Maintainer of open-source projects
- Open-source "advocates"
Theoretical Part

Fundamental Concepts of Open-Source Projects

- Version control
- Community management
- Software licenses
- Work with existing code base
- Interaction with open-source project
- Commit review process
- Planning, implementation, testing, documentation
- ... your ideas?

Talks by Guest Speakers (virtual)

- Maintainer of open-source projects
- Open-source "advocates"
- ... your ideas?
Practical Part

- Familiarize yourself with an open-source Project
- Short report and discussion
- Plan your contribution
- Implementation
- Final report
Prerequisites

- General programming skills
- Motivation letter (200-250 words, by July 21 to haslbema@in.tum.de)
  - Why are you interested in open-source?
  - Do you have experience with programming projects and open-source projects?
  - What project would you pick and why?
  - (What kind of material would you like to learn about? Which guest speaker would you like to invite and why?)
Questions?