

L06 Entry Barriers

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Entry Barriers

1 Entry Barriers

2 Meeting

- Recapitulation
- Assignments
- Preview

Learning Outcomes

- After successful completion of L06
students will be able to use techniques to
- remove entry barriers in FLOSS initiatives

Different Users

for all entry barriers different users need to be considered:

- end users
- devs
- admins
- researchers

Barrier 0: Find

Improve discoverability:

- website
- news
- wikipedia
- <https://directory.fsf.org>

Barrier 1: Use

- tutorials
- user interface
- packages

Barrier 2: Compile

- bring user in contact with your source code
- dependencies
- build system
- extreme: require users to compile your software (increases Barrier 1)

Barrier 3: Issues

- login in issue tracker
- “good first issues”
- little technical debt

Barrier 4: Improvements [1]

- unit tests (“did not break anything”)
- documentation
- well-structured design
- code review
- continuous integration
- programming language
- license
- small project
- coding guidelines
- clear code
- contribution guidelines

Barrier 5: Social Barriers

e.g. culture and gender

- welcoming atmosphere
- treat everyone as contributor
- mentoring

Barrier 6: No Deadlines

- fast feedback
- keep people involved
- releases, goals, milestones, “testing” versions, ...

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Different Users

Which users are relevant any why?

Different Users

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- researchers

Your Roles

In which role are/were you in?
How does it change over time?

Task

Break.

Recapitulation Papers

Which statement is from which paper?

A coelho2018why: Why We Engage in FLOSS: Answers from Core Developers

B mandez2018open: Open Source barriers to entry, revisited: A sociotechnical perspective

- I have interest or expertise on the project domain → coelho2018why
- Lack of proactivity → mandez2018open
- Friendly community → coelho2018why
- the most important thing is communication and availability of the owner/maintainer → coelho2018why
- To improve the project because I am using it → coelho2018why
- To have a volunteer work → coelho2018why
- Lack of commitment → mandez2018open
- Knowledge on version control system → mandez2018open
- Outdated documentation → mandez2018open
- I wanted the unknown project to become relevant → not present in papers

Task

Break.

Your Reasons

Which entry barriers are relevant for you?
What would improve your situation?

H3

Task

Enough issues?

T1: Reviews

Task

Reviews

T2

Task

Verified tutorials

Feedback

- Deadlines in other lectures?
- ECTS breakdown realistic?
- Papers interesting?



L07 Maintenance

- [1] Jailton Coelho, Marco Tulio Valente, Luciana L Silva, and André Hora. Why we engage in floss: Answers from core developers. In *Proceedings of the 11th international workshop on cooperative and human aspects of software engineering*, pages 114–121, 2018.