

Please make sure to always prepare your answers and solutions in a way that you are able to present them to your classmates and discuss your solution process effectively. Remember to always list any used material and references.

Learning aims

Get to know the actual communication and development processes in Open Source projects.

Task 6-1: Patch: Implement your Approach

On the previous practice sheet you have developed a solution approach and implemented test cases for the issue you want so submit a patch for in an OSS project. Now the time has come to turn your proposal into an actual patch.

1. Before you start, estimate how long it will probably take to turn your proposal into source code.
2. Implement your patch.
 - Do Pair Programming
 - Adhere to the Test-Driven Development style
 - Follow the project's coding conventions
3. Write down your experience:
 - How did the Pair Programming work out?
 - Were you able to do TDD all the time? If not, when and why did you break out of it?
 - How close to your initial estimate did your actual efforts come? Did everything go according to plan or did you encounter unexpected problems? If so, how did you deal with them? Did you ask the community for help?
4. Add both the *estimated* and the *actual* effort for implementing your patch on your Wiki page.

Task 6-2: Submit your Patch

Now present your patch to the project.

1. Write a short English text describing the implementation of your patch (Issue Id, function description, most important part of the API, test description).
Proceed according to the guidelines of your project (if you are not sure, search for further information).
2. Place the email with which you announced your patch to the project on your Wiki page.
3. Track the time the interaction with the project's community takes (writing and reading e-mails, clarifying things, ...) and put it on your Wiki page.
You will be asked to continue this for the final OSS practice sheet.