

**Objective:**

Learn how to work with the git version control system.

**Theory and Task:**

1. Install git. English version only!
2. Complete <https://githowto.com>.
3. Read about git, try out the most essential commands.
4. Understand how it can help you in development. If you wouldn't use it tomorrow in the next task - then please re-read everything in this stage again!

**Deadline:** 3–4 days

**Questions:**

1. How does git help two or more developers work on the same project?
2. How does git help even a solo developer?
3. When would you store changes in two (or more) commits? When in the one? Why?
4. How to stage only several files (not all not staged)?
5. Why do conflicts happen?
6. Explain the mechanism of solving conflicts.
7. What is the difference between *merge* and *rebase*?
8. When would you stash your changes?
9. What are possible cases of using *force push*?
10. What is the reset command? What are different types of reset? (hard, mixed, soft)