

Oh, yeah. I'm fucking good KATH member

## Git

For development GitHub is used. Git is a must for any Software Developer.

If you are not familiar, consider this [GitHub Basics Made Easy: A Fast Beginner's Tutorial!](#) course.

A lot of things are changing, so prefer recent courses instead of most viewed.

If you know Git, general guidelines will be following:

### Pull Request naming

Pull Request name is first letter of name and two of surname + task id + short task description. Example,  
Dainius Kirsnauskas were assigned to task implement downloading of database. Id of task you can find in Jira.

```
1 DKI/PRJ-132/download_database
```

If you wonder why is this:


1. DKI - Team lead doesn't always remember who does what task, especially when there are many of them.
2. PRJ-132 - for tracking in Jira, CI/CD, automatisation in Jira.
3. download\_database - Description of task, for faster search.

### Branch naming

Nice to have branch name short and understandable.

```
1 DKI/PRJ-132/download_database
```

This is short and understandable, the same as PR (Pull Request).

 Use TAB for autocompletion if you use CLI (terminal, Command Line)

## Code

### Back-End code

As back-end team lead, I can be responsible only for standards for back-end. In back-end we can use nothing but python. Decision was made because a lot of tools are written in Python or as API service and it was required to analyze big amount of data.

So for everyone in back-end team it is required to know Python and its standards.

Python Course - [Python Developer | Learn with Sololearn](#)

Python Standards - [PEP 8 - Style Guide for Python Code | peps.python.org](#)

All free.

For checking Python Standards - [Pylint 3.3.4 documentation](#)

For docstrings I found ReStructuredText - [Writing docstrings — Sphinx-RTD-Tutorial documentation](#), but I think that it would worth to try Google or NumPy docstrings. For next team lead to decide. It will be nice first tasks for new members.

To check function, figure out what it does and document it. Google sounds more solid - [G styleguide](#), though very similar to NumPy.

For checking with Pylint it would be really nice to have something like GitHub actions workflow.