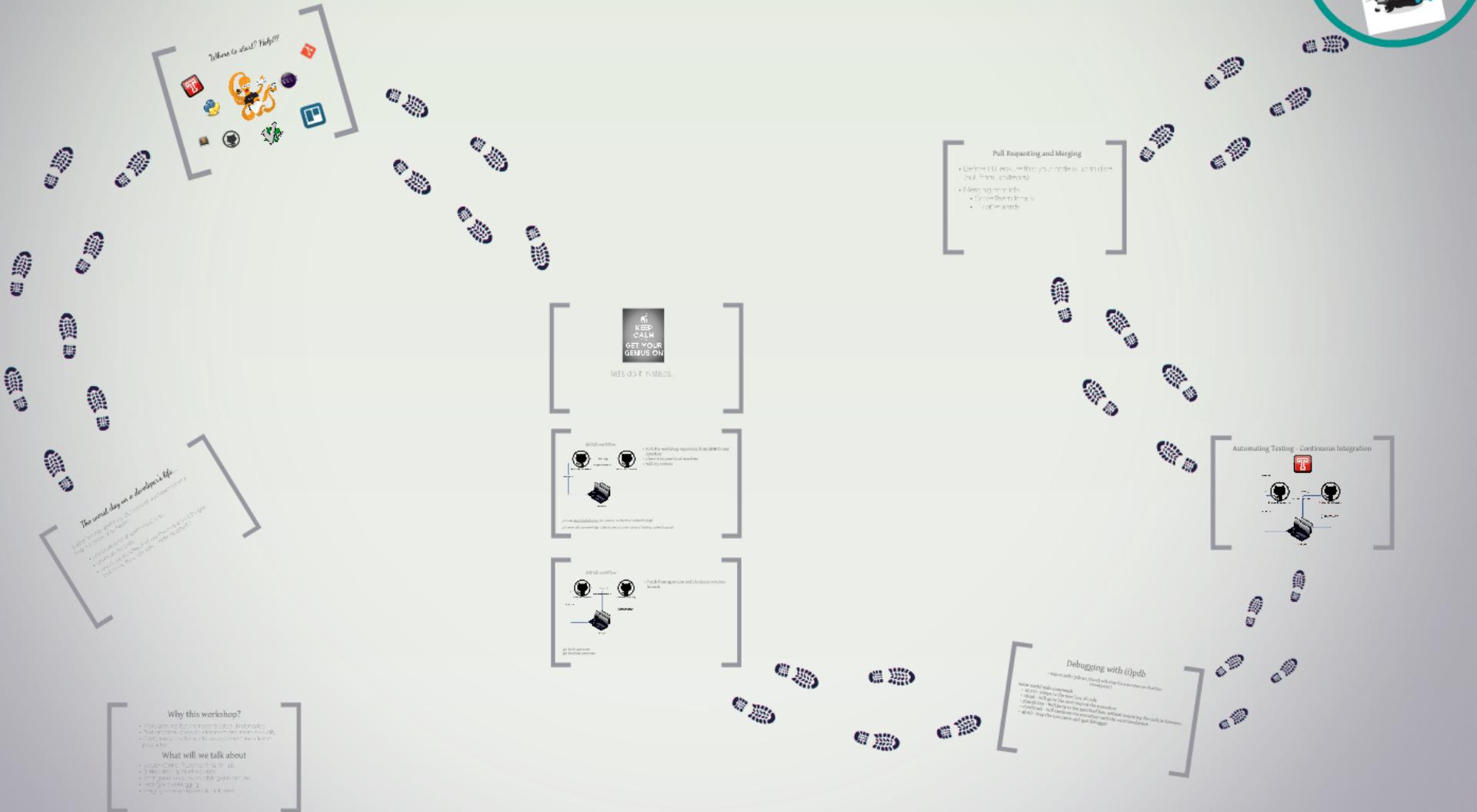


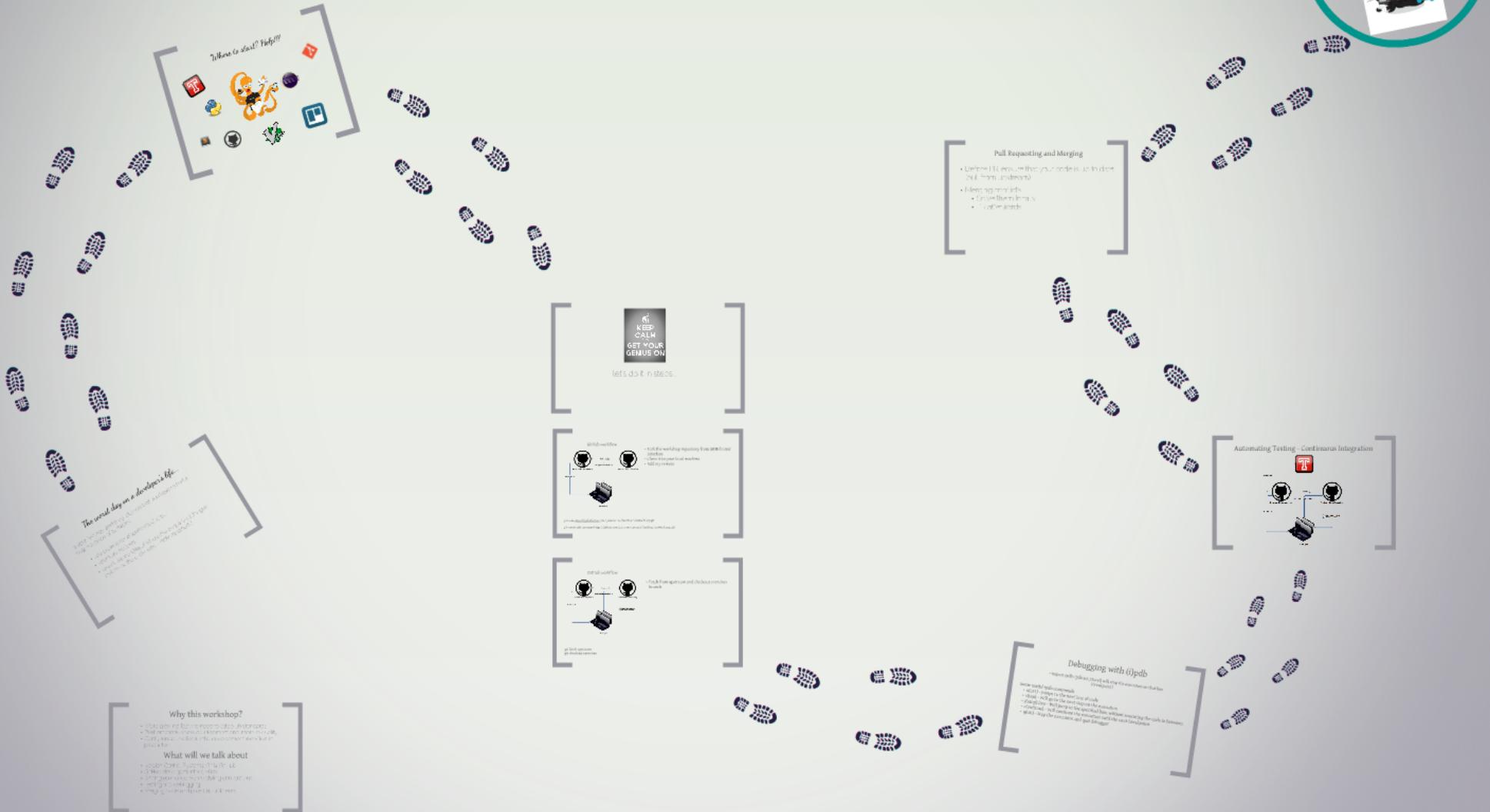
# Best Practices on Development Workshop



Conclusion



# Best Practices on Development Workshop



# Why this workshop?

- We're growing fast, we need to establish standards
- Best practices eases development and improve quality
- Clarify (once and for all) the development workflow in production

## What will we talk about

- Version Control Systems: Git & GitHub
- GitHub development workflow
- Writing your code: Some styling conventions
- Testing and debugging
- Merging code and potential problems

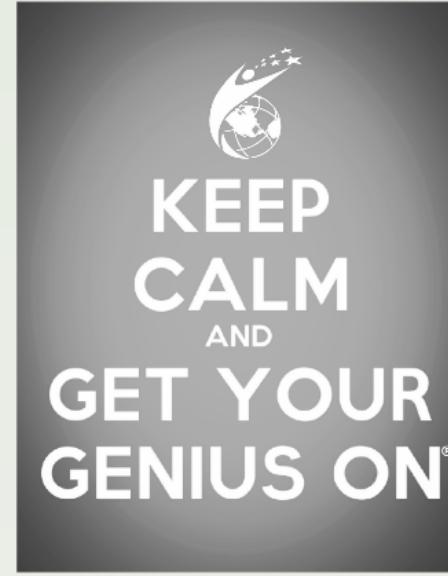
# *The worst day on a developer's life...*

Is your first day, and they told you that you have to find a bug in a piece of software.

- The code is not documented at all...
- There are no tests
- They have no idea of where the bug is (and the guy that wrote the code was... kindly replaced...)

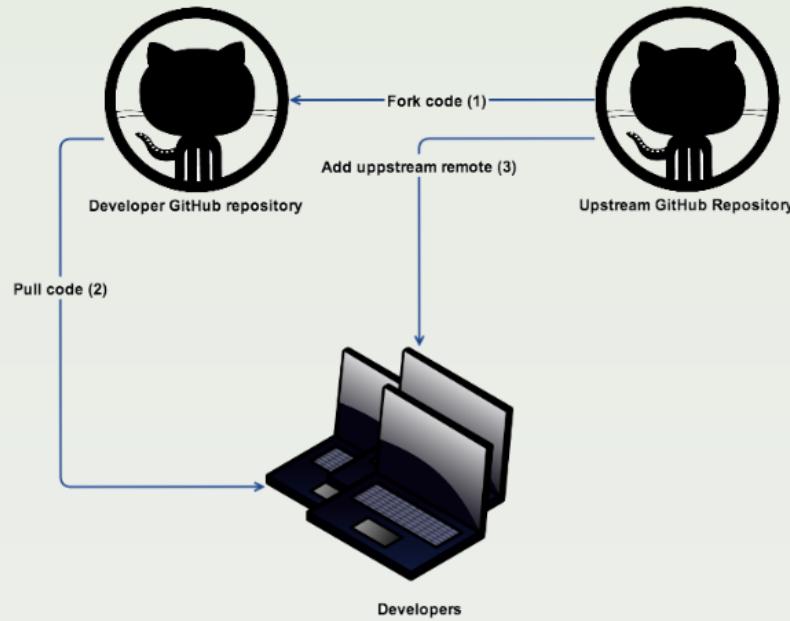
# Where to start? Help!!!





let's do it in steps...

## GitHub workflow

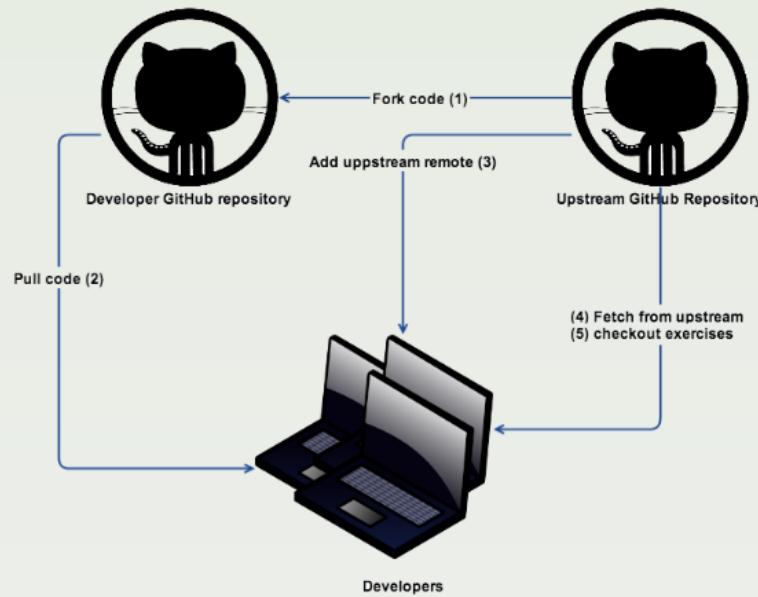


- Fork the workshop repository from GitHub user interface
- Clone it to your local machine
- Add my remote

```
git clone https://github.com/<your\_username>/BestPracticesWorkshop.git
```

```
git remote add upstream https://github.com/guillermo-carrasco/BestPracticesWorkshop.git
```

## GitHub workflow



- Fetch from upstream and checkout exercises branch

```
git fetch upstream  
git checkout exercises
```

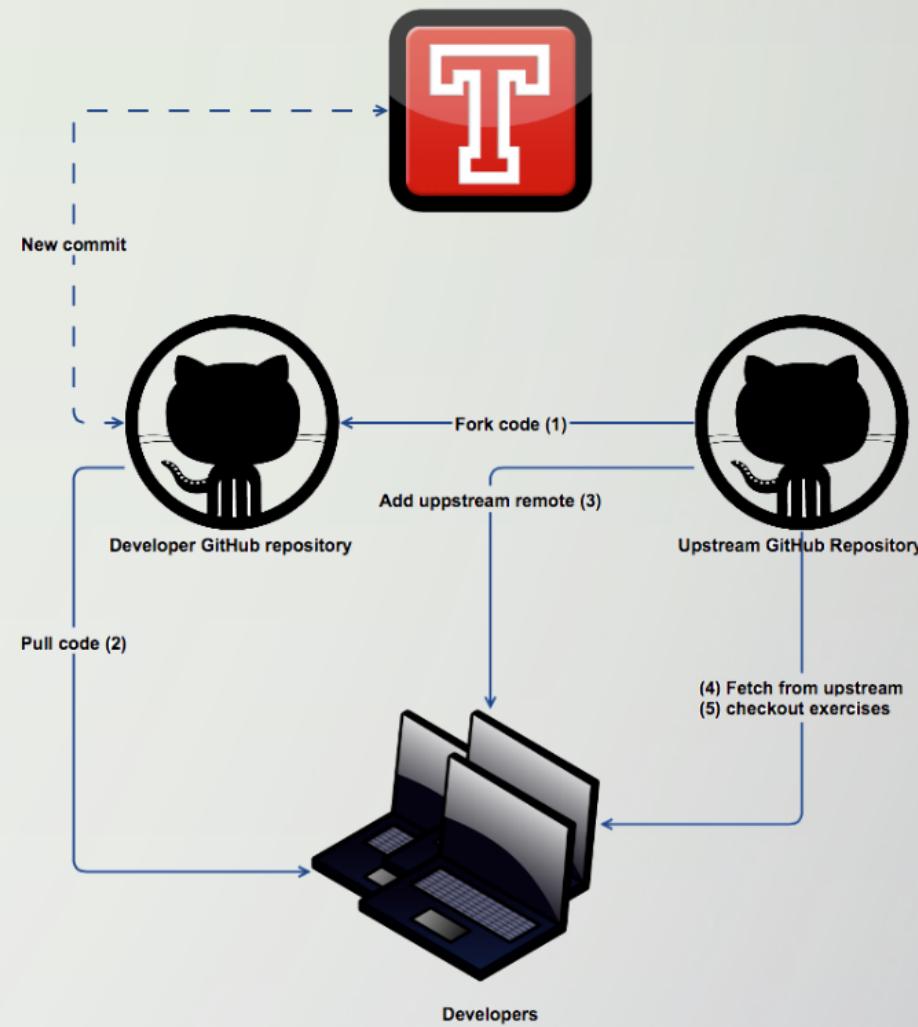
# Debugging with (i)pdb

- `import ipdb; ipdb.set_trace()` will stop the execution on that line (breakpoint)

Some useful ipdb commands

- `n(ext)` - Jumps to the next line of code
- `s(tep)` - Will go to the next step on the execution
- `j(ump) line` - Will jump to the specified line, without executing the code in between
- `c(ontinue)` - Will continue the execution until the next breakpoint
- `q(uit)` - Stop the execution and quit debugger

# Automating Testing - Continuous Integration

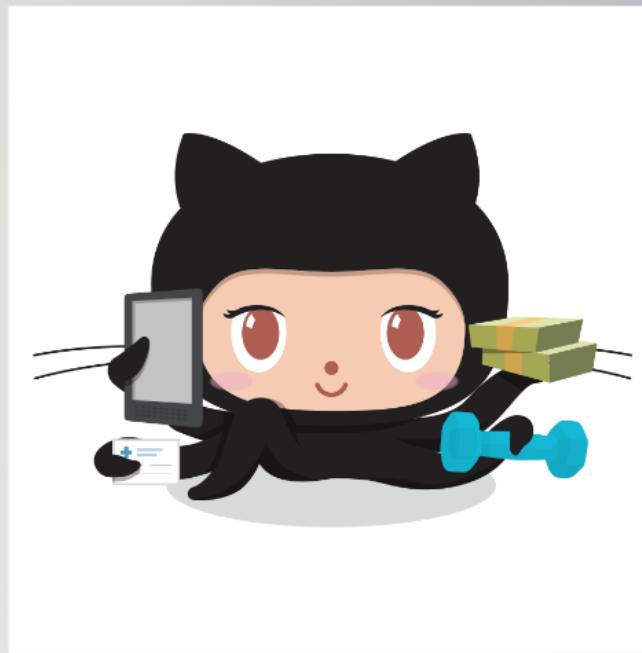


# Pull Requesting and Merging

- Before PR, ensure that your code is up to date (pull from upstream)
- Merging conflicts
  - Solve them locally
  - PR afterwards

# *Conclusion*

- Document
- Test
- Automation #ftw
- Debug
- Be resolute



# Best Practices on Development Workshop

