Git and GitHub

Contributing to Open Source

Google
Summer of Code

Google Code-in

FOSS
asia

GitHub Campus Experts

Vaibhav Shrivastava

mishuvs

Campus Expert

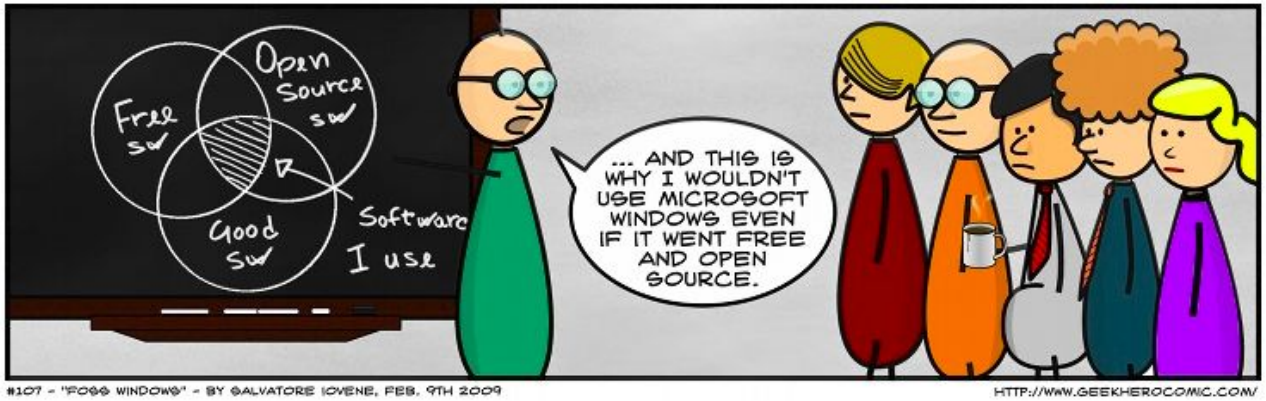
Shri Govindram Seksaria…

What's Open Source?

Open source software is software that users have the ability to run, distribute, study and modify for any purpose.

Open source is a collaborative software-development method that harnesses the power of peer review and transparency of process to develop code that is freely accessible.

Open source is only as strong as the community behind it!!



Why contribute to Open Source softwares?

What's in it for me?

Contributing to
YOUR CAREER

secret patented formula to

GETTING ANY JOB YOU WANT:

1. Learn skills and gain experience using those skills
2. Create public artifacts that demonstrate those skills
3. Make connections with people that need those skills

Brandon Keepers, GitHub

open source is a great way to gain *experience*, build a *reputation*, and make *connections*.

Open Source is the ultimate referral

Chris Dibona,
Google

Contributing to open source
may not bring you *fame* or *riches*,

but it will bring you *experience*,
opportunity, and *fulfillment*.

WHERE DO I START

Google Code-in

[codeheat]

OPENSOURCENEEDSYOU!
And that's why you should participate in social coding!
Awww yeah! Gonna do some good with these skills!

Let's learn to collaborate

dsg-sgsits/git-intro ×

GitHub, Inc. [US] | https://github.com/dsg-sgsits/git-intro

dsg-sgsits / **git-intro**

Watch 0 | Star 0 | Fork 14

Code | Issues 0 | Pull requests 0 | Projects 0 | Wiki | Insights | Settings

A repository for hands-on tutorial for Git and GitHub

Edit

Add topics

40 commits | **1** branch | **0** releases | **13** contributors

Branch: **master** | New pull request | Create new file | Upload files | Find file | Clone or download

dsg **dsgsgsits** Add Samiksh Aagrawal

design	Create concept.svg
excercises	Merge branch 'master' into newbranch
README.md	Add concept map

Clone with HTTPS Use SSH

Use Git or checkout with SVN using the web URL.

`https://github.com/dsg-sgsits/git-int`

Download ZIP

README.md

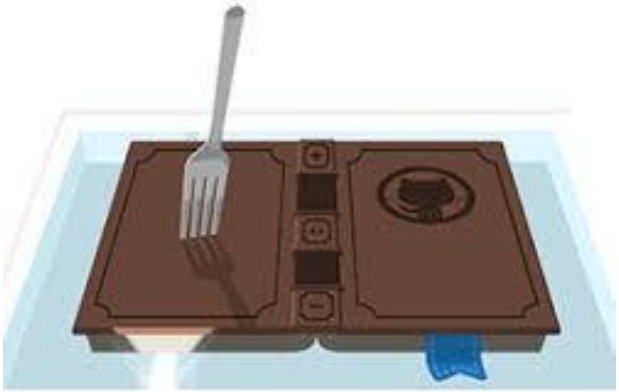
git-intro

A repository for hands-on tutorial for Git and GitHub

Intro to Git and GitHub

Forks

A fork is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.



GitHub, Inc. [US] | https://github.com/mishuvs/git-intro

Search or jump to… / Pull requests Issues Marketplace Explore

mishuvs / **git-intro**
forked from dsg-sgsits/git-intro

Unwatch 1 | Star 0 | Fork 15

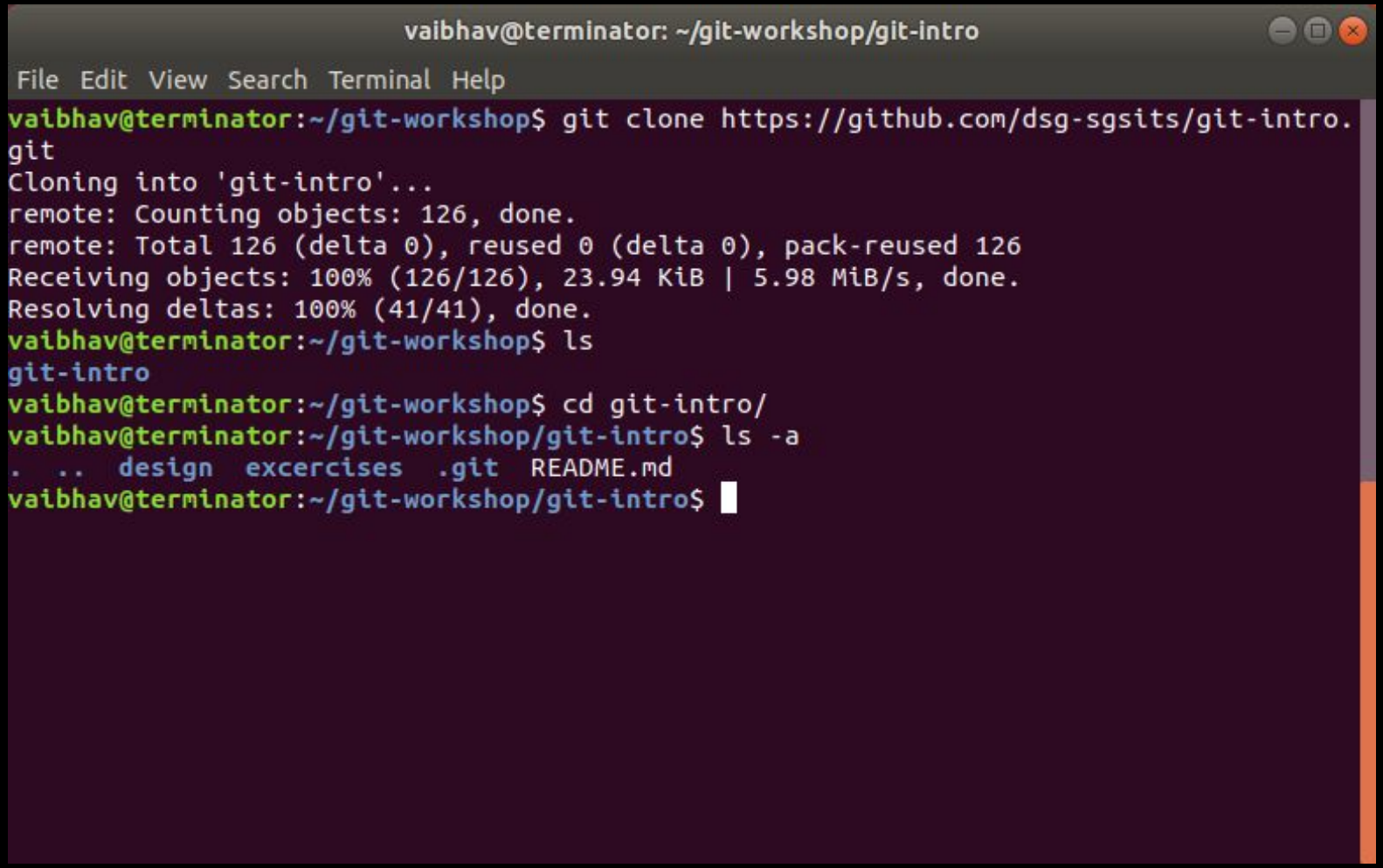
Code | Pull requests 0 | Projects 0 | Wiki | Insights | Settings

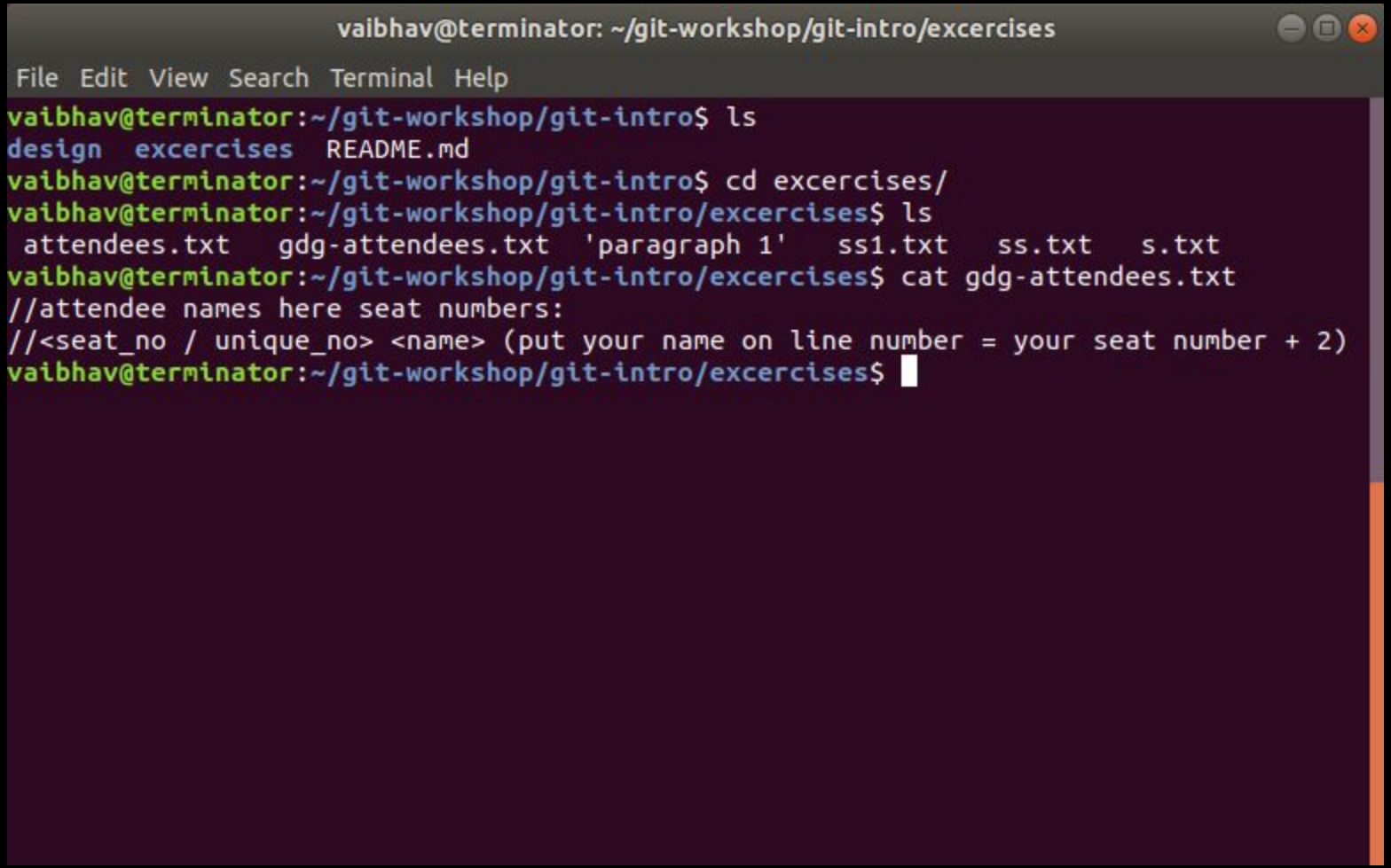
Forking dsg-sgsits/git-intro

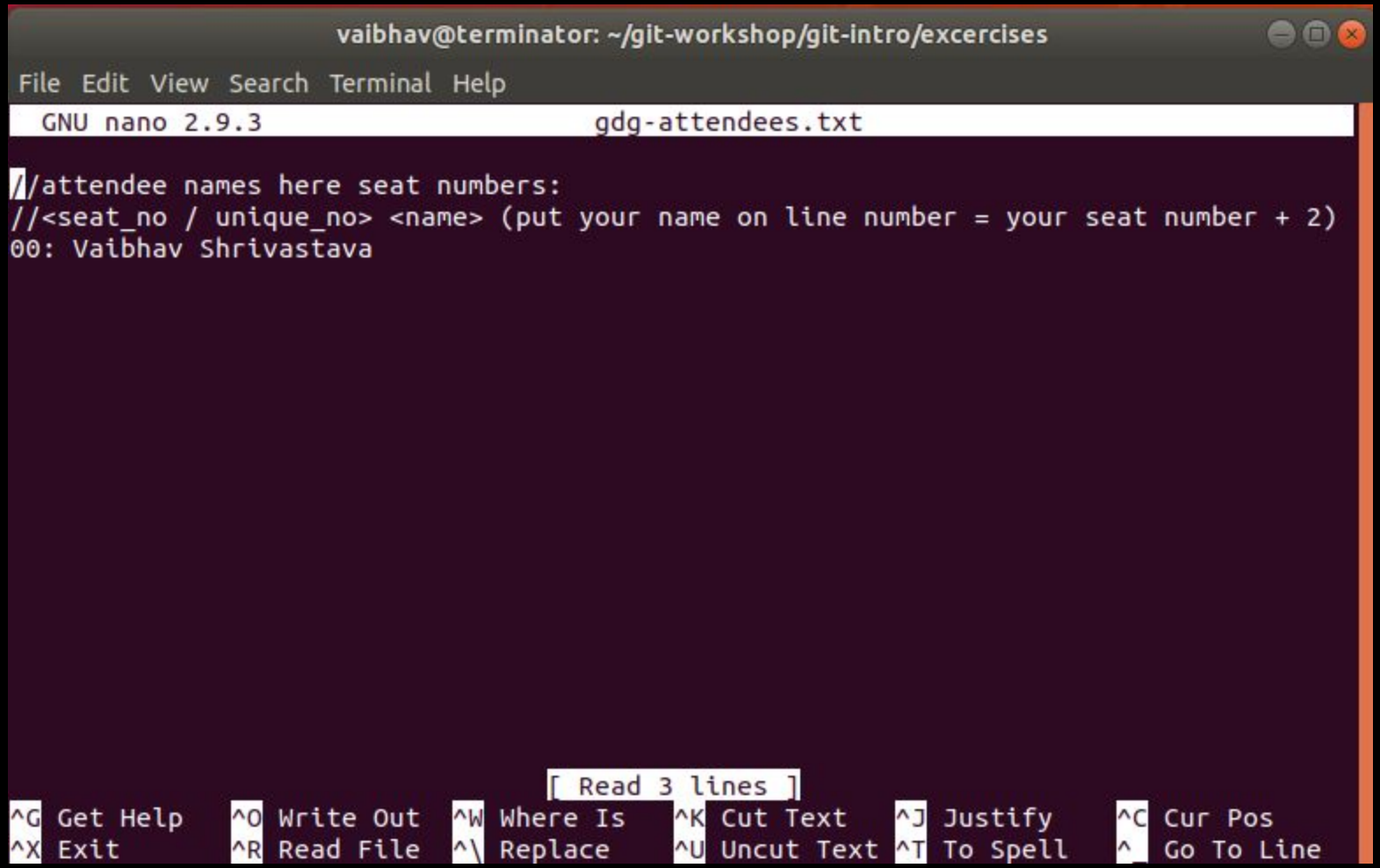
It should only take a few seconds.

Refresh

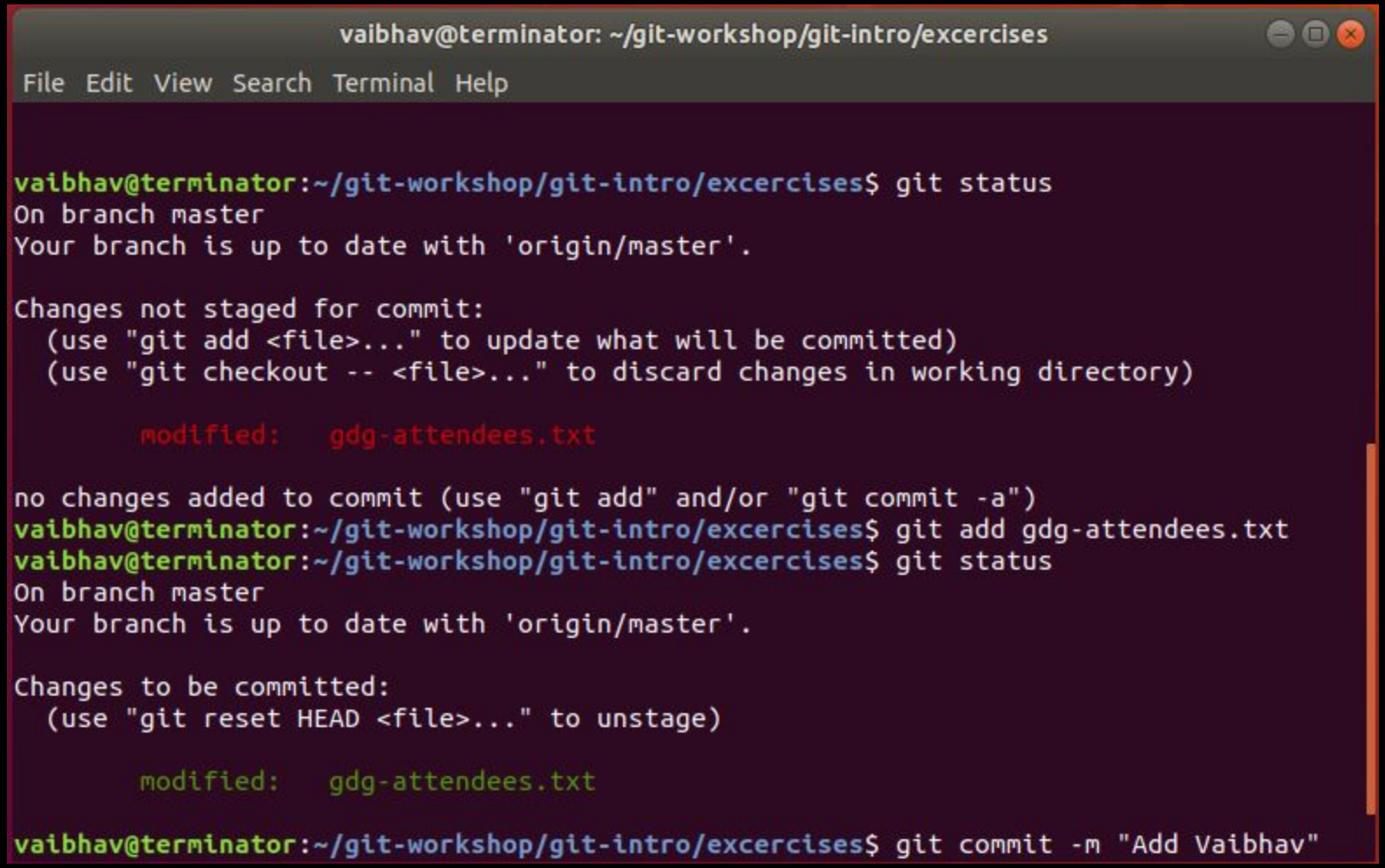
aiting for github.com…


vaibhav@terminator: ~/git-workshop/git-intro
File Edit View Search Terminal Help
vaibhav@terminator:~/git-workshop$ git clone https://github.com/dsg-sgsits/git-intro.git
Cloning into 'git-intro'...
remote: Counting objects: 126, done.
remote: Total 126 (delta 0), reused 0 (delta 0), pack-reused 126
Receiving objects: 100% (126/126), 23.94 KiB | 5.98 MiB/s, done.
Resolving deltas: 100% (41/41), done.
vaibhav@terminator:~/git-workshop$ ls
git-intro
vaibhav@terminator:~/git-workshop$ cd git-intro/
vaibhav@terminator:~/git-workshop/git-intro$ ls -a
. .. design excercises .git README.md
vaibhav@terminator:~/git-workshop/git-intro$

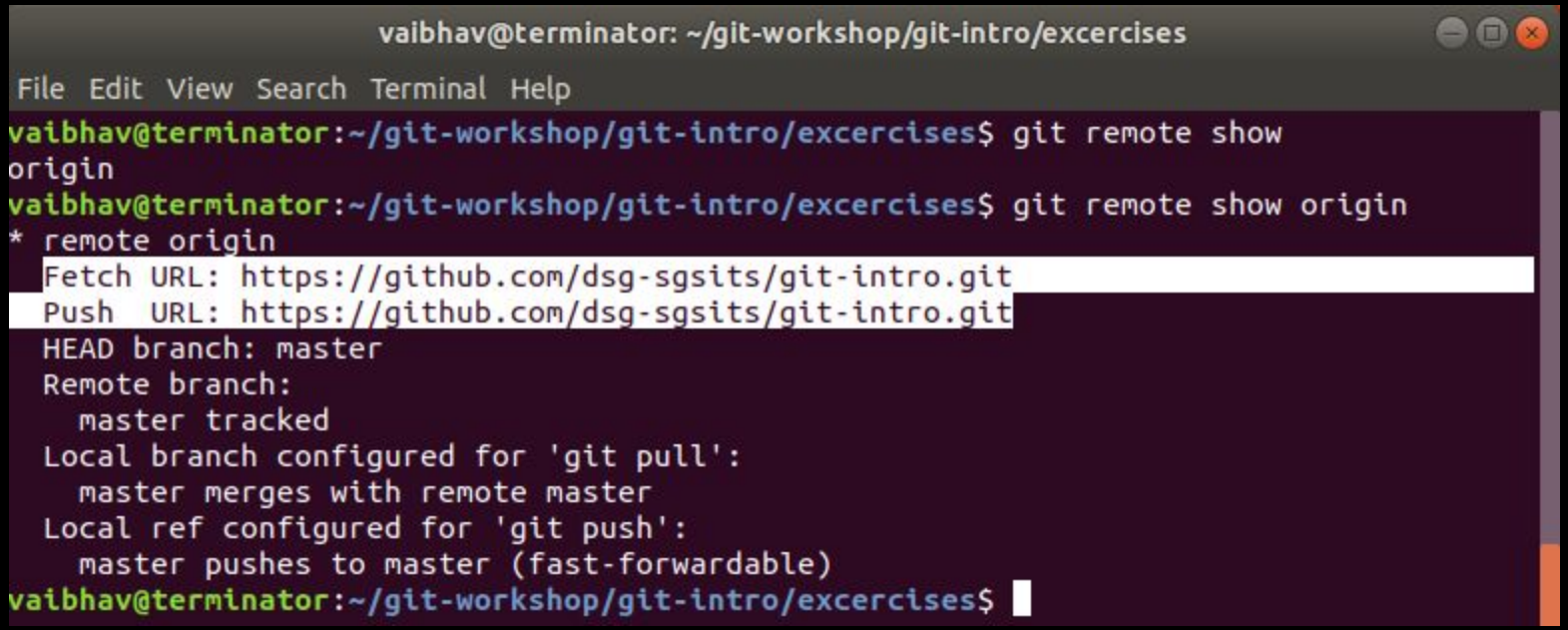

vaibhav@terminator: ~/git-workshop/git-intro/excercises
File Edit View Search Terminal Help
vaibhav@terminator:~/git-workshop/git-intro$ ls
design excercises README.md
vaibhav@terminator:~/git-workshop/git-intro$ cd excercises/
vaibhav@terminator:~/git-workshop/git-intro/excercises$ ls
attendees.txt gdg-attendees.txt 'paragraph 1' ss1.txt ss.txt s.txt
vaibhav@terminator:~/git-workshop/git-intro/excercises$ cat gdg-attendees.txt
//attendee names here seat numbers:
//<seat_no / unique_no> <name> (put your name on line number = your seat number + 2)
vaibhav@terminator:~/git-workshop/git-intro/excercises$

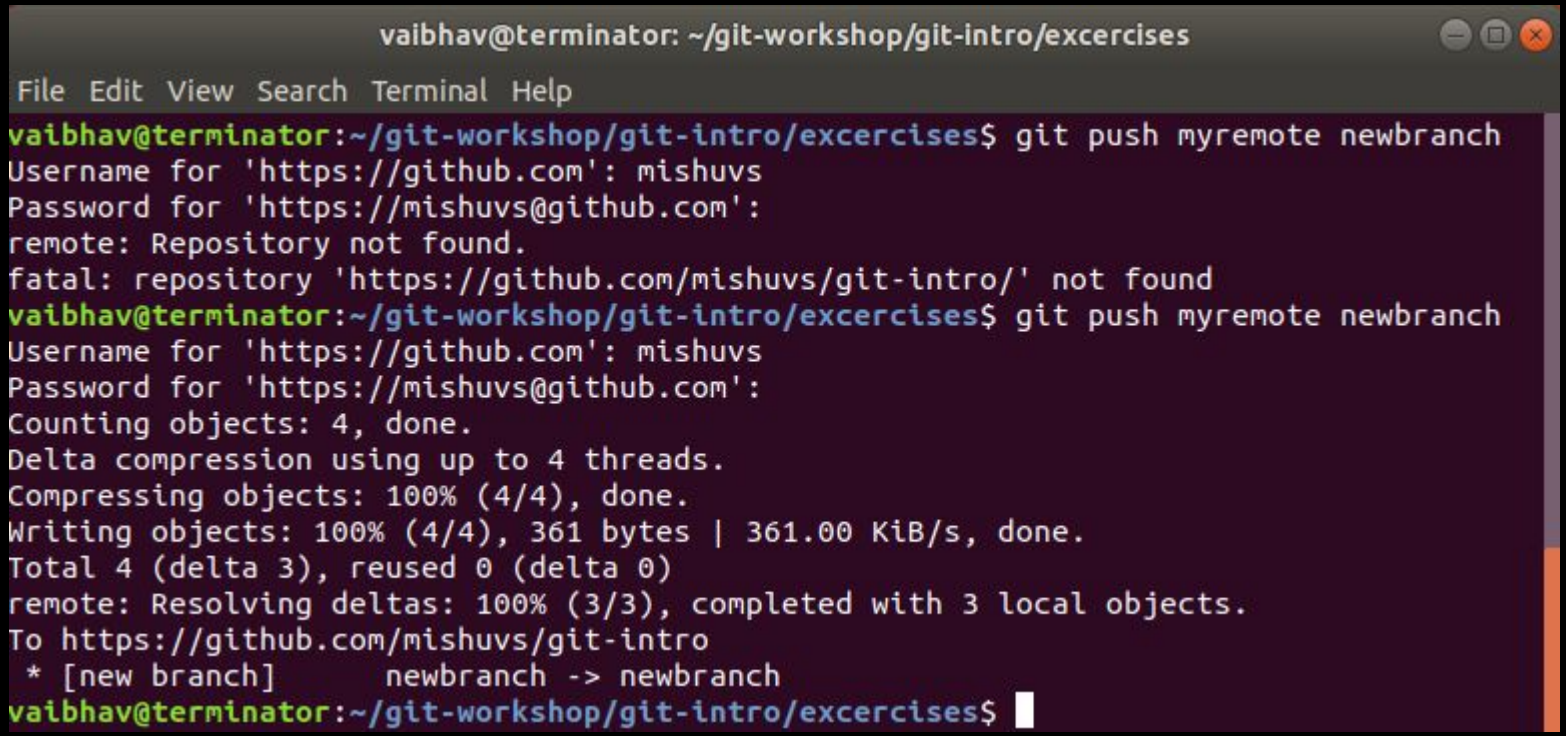

vaibhav@terminator: ~/git-workshop/git-intro/excercises
File Edit View Search Terminal Help
GNU nano 2.9.3 gdg-attendees.txt
//attendee names here seat numbers:
//<seat_no / unique_no> <name> (put your name on line number = your seat number + 2)
00: Vaibhav Shrivastava
[Read 3 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line

```
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git branch newbranch
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   gdg-attendees.txt

vaibhav@terminator:~/git-workshop/git-intro/excercises$ git branch
* master
  newbranch
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git checkout newbranch
M       excercises/gdg-attendees.txt
Switched to branch 'newbranch'
vaibhav@terminator:~/git-workshop/git-intro/excercises$
```


vaibhav@terminator: ~/git-workshop/git-intro/excercises
File Edit View Search Terminal Help
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git status
On branch master
Your branch is up to date with 'origin/master'.
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git checkout -- <file>..." to discard changes in working directory)
modified: gdg-attendees.txt
no changes added to commit (use "git add" and/or "git commit -a")
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git add gdg-attendees.txt
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git status
On branch master
Your branch is up to date with 'origin/master'.
Changes to be committed:
(use "git reset HEAD <file>..." to unstage)
modified: gdg-attendees.txt
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git commit -m "Add Vaibhav"

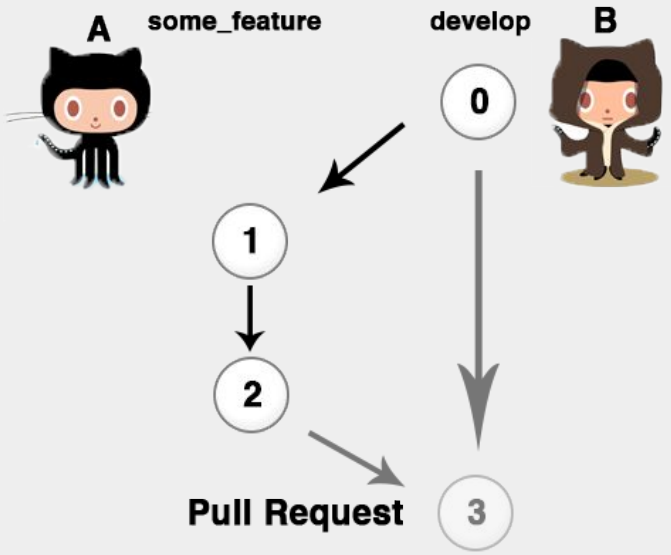
```
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git commit -m "Add Vaibhav"
[master b9fa224] Add Vaibhav
 1 file changed, 1 insertion(+)
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
vaibhav@terminator:~/git-workshop/git-intro/excercises$
```


vaibhav@terminator: ~/git-workshop/git-intro/excercises
File Edit View Search Terminal Help
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git remote show
origin
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git remote show origin
* remote origin
Fetch URL: https://github.com/dsg-sgsits/git-intro.git
Push URL: https://github.com/dsg-sgsits/git-intro.git
HEAD branch: master
Remote branch:
master tracked
Local branch configured for 'git pull':
master merges with remote master
Local ref configured for 'git push':
master pushes to master (fast-forwardable)
vaibhav@terminator:~/git-workshop/git-intro/excercises$


vaibhav@terminator: ~/git-workshop/git-intro/excercises
File Edit View Search Terminal Help
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git push myremote newbranch
Username for 'https://github.com': mishuvs
Password for 'https://mishuvs@github.com':
remote: Repository not found.
fatal: repository 'https://github.com/mishuvs/git-intro/' not found
vaibhav@terminator:~/git-workshop/git-intro/excercises$ git push myremote newbranch
Username for 'https://github.com': mishuvs
Password for 'https://mishuvs@github.com':
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 361 bytes | 361.00 KiB/s, done.
Total 4 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/mishuvs/git-intro
 * [new branch]   newbranch -> newbranch
vaibhav@terminator:~/git-workshop/git-intro/excercises$

To make a pull request:

1. base branch on remote
2. compare branch on remote



A repository for hands-on tutorial for Git and GitHub

Edit

Add topics

42 commits | **2** branches | **0** releases | **13** contributors

Your recently pushed branches:

newbranch (35 minutes ago) — Compare & pull request

Branch: **master** | New pull request | Create new file | Upload files | Find file | Clone or download

This branch is even with dsg-sgsits:master. — Pull request | Compare

dsg **dsgsgsits** Rename gdg-attendees to gdg-attendees.txt — Latest commit `5342e60` an hour ago

design	Create concept.svg	2 months ago
excercises	Rename gdg-attendees to gdg-attendees.txt	an hour ago
README.md	Add concept map	2 months ago

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.

base fork: **dsg-sgsits/git-intro** base: **master** head fork: **mishuvs/git-intro** compare: **newbranch**

✓ **Able to merge.** These branches can be automatically merged.

Add Vaibhav

Write Preview

Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Allow edits from maintainers. Learn more

Create pull request

Reviewers

Suggestions

dsg **dsgsgsits** Request

Assignees

No one—assign yourself

Labels

None yet

Projects

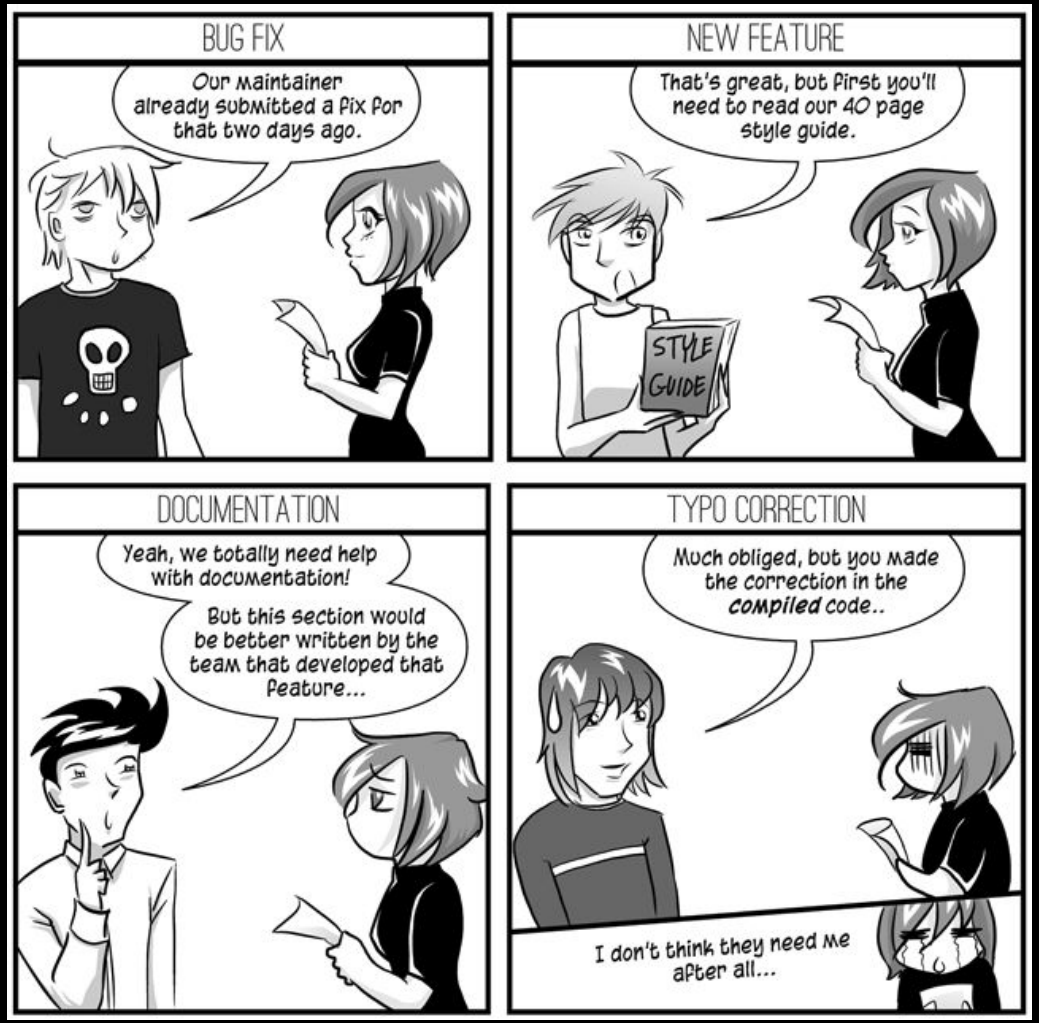
None yet

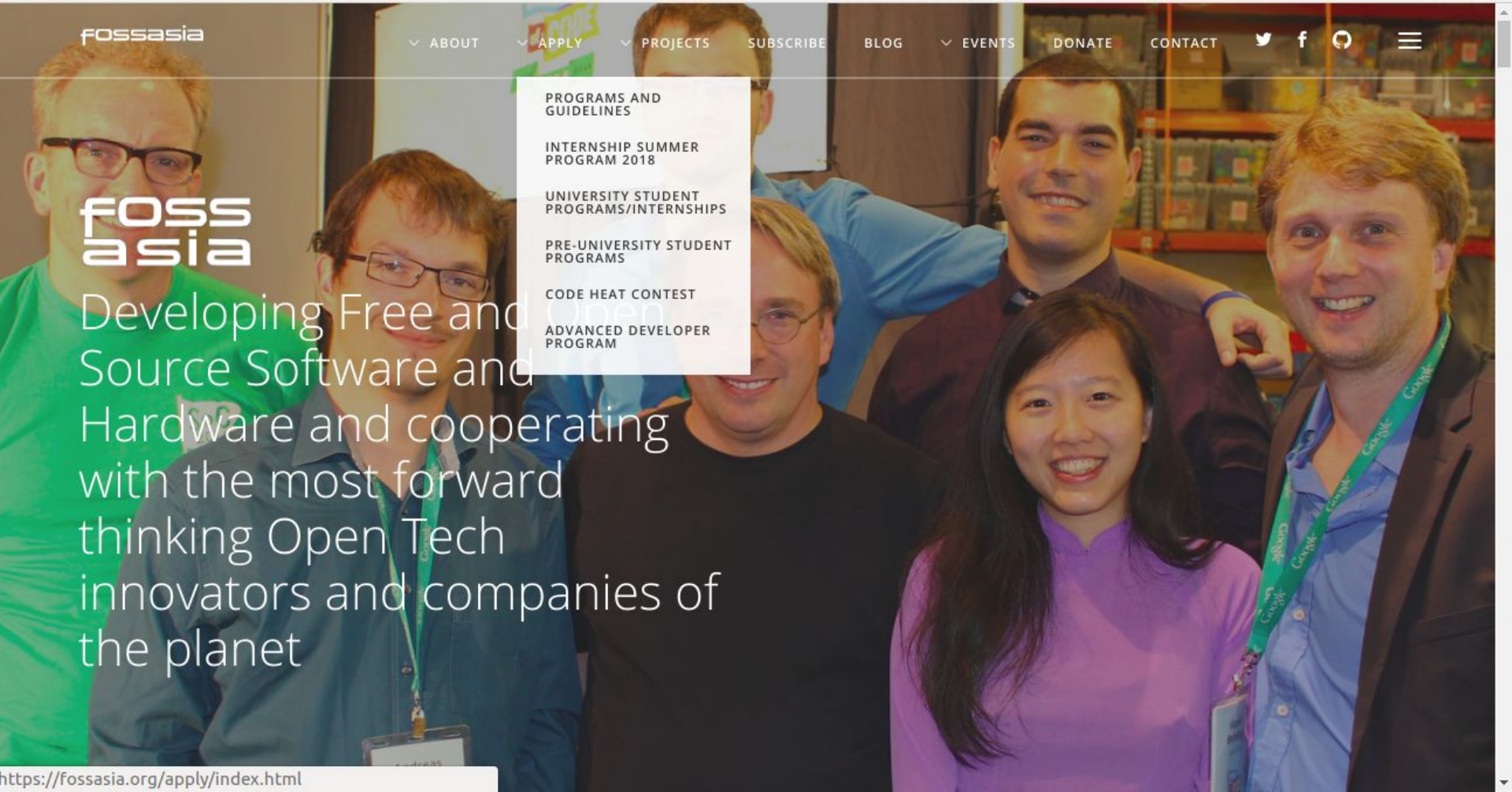
Milestone

No milestone

1 commit **1** file changed **0** commit comments **1** contributor

So, which project are you going to


BUG FIX
Our maintainer already submitted a fix for that two days ago.
NEW FEATURE
That's great, but first you'll need to read our 40 page style guide.
STYLE GUIDE
DOCUMENTATION
Yeah, we totally need help with documentation!
But this section would be better written by the team that developed that feature...
TYPO CORRECTION
Much obliged, but you made the correction in the compiled code..
I don't think they need me after all...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Secure | https://fossasia.org
fossasia
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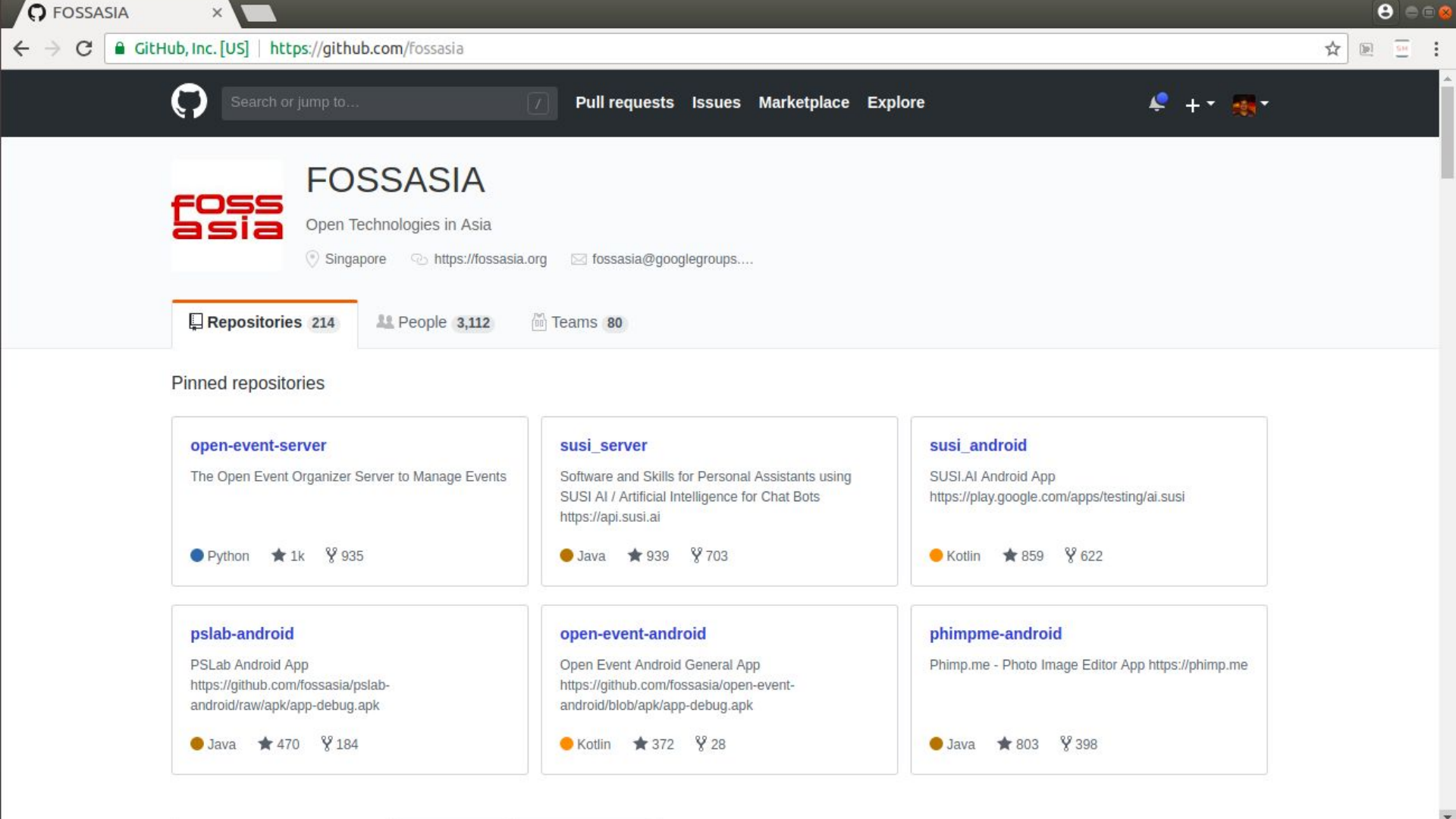
APPLY
PROJECTS
SUBSCRIBE
BLOG
EVENTS
DONATE
CONTACT
PROGRAMS AND GUIDELINES
INTERNSHIP SUMMER PROGRAM 2018
UNIVERSITY STUDENT PROGRAMS/INTERNSHIPS
PRE-UNIVERSITY STUDENT PROGRAMS
CODE HEAT CONTEST
ADVANCED DEVELOPER PROGRAM
foss asia
Developing Free and Open Source Software and Hardware and cooperating with the most forward thinking Open Tech innovators and companies of the planet
https://fossasia.org/apply/index.html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https://fossasia.org
fossasia@googlegroups....
Repositories 214
People 3,112
Teams 80
Pinned repositories
open-event-server
The Open Event Organizer Server to Manage Events
Python 1k 935
susi_server
Software and Skills for Personal Assistants using SUSI AI / Artificial Intelligence for Chat Bots https://api.susi.ai
Java 939 703
susi_android
SUSI.AI Android App https://play.google.com/apps/testing/ai.susi
Kotlin 859 622
pslab-android
PSLab Android App https://github.com/fossasia/pslab-android/raw/apk/app-debug.apk
Java 470 184
open-event-android
Open Event Android General App https://github.com/fossasia/open-event-android/blob/apk/app-debug.apk
Kotlin 372 28
phimpme-android
Phimp.me - Photo Image Editor App https://phimp.me
Java 803 398

Thanks

LinkedIn:vaibhavleo
github:mishuvs
Medium:vaibhav_sh