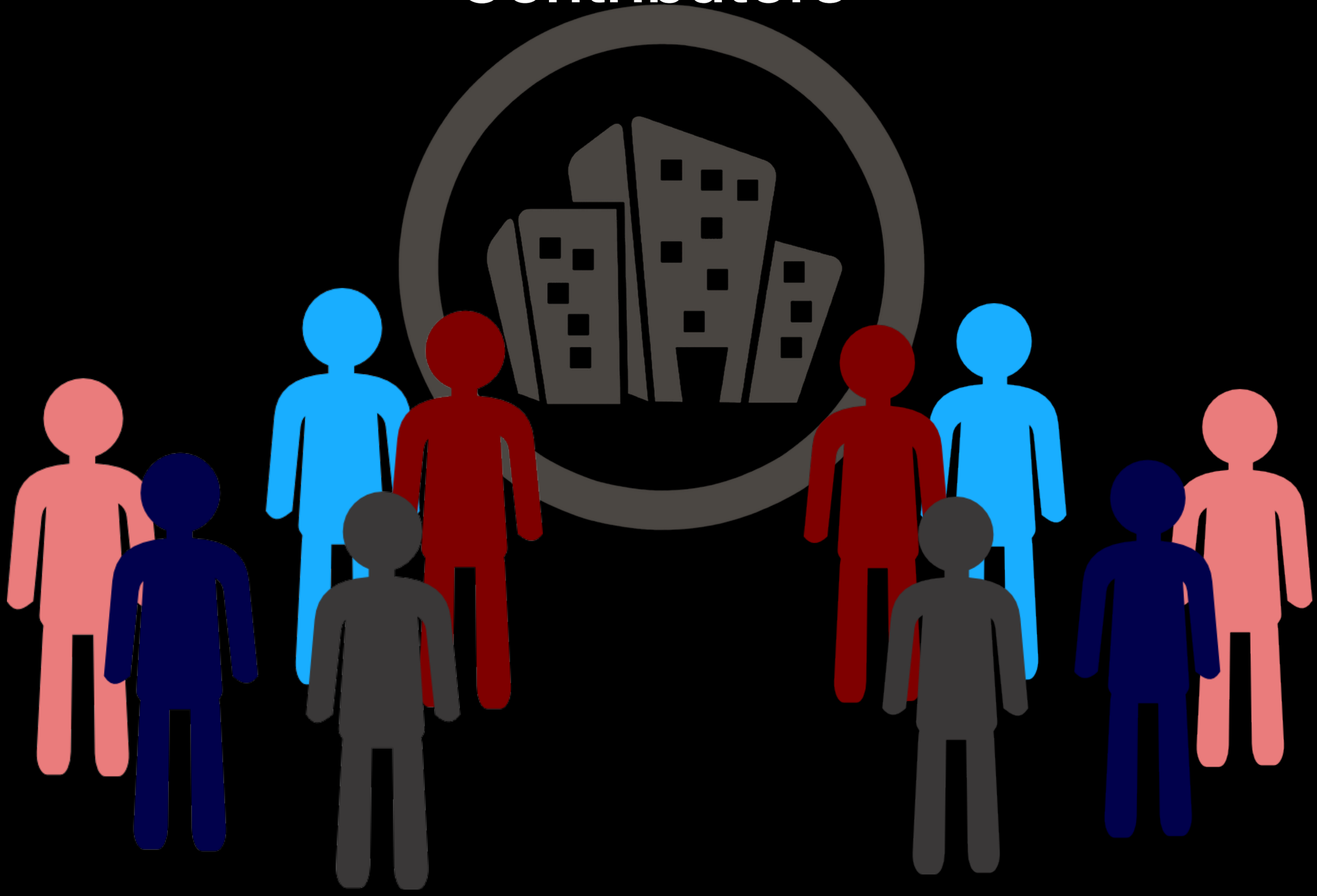
Open-Source

Commercial

Open-Source

Contributors



Join GitHub today

GitHub is home to over 28 million developers working together to host and review code, manage projects, and build software together.

Sign up

Dismiss

The Swift Programming Language https://swift.org/

75,802 commits | 101 branches | 902 releases | 615 contributors | Apache-2.0

Branch: master | New pull request | Find file | Clone or download

jckarter Merge pull request #18552 from jckarter/array-of-class-bridging ··· Latest commit cf664b2 10 minutes a

.github	Reduce boilerplate in the GitHub PR template	2 years a
apinotes	Update master to build with Xcode 10 beta 1, OS X 10.14, iOS 12, tvOS...	2 months a
benchmark	benchmarks: add a script to report code size of benchmark files	21 hours a
bindings/xml	[Markup] Print Tags in documentation comment XML	a year a
cmake	Add option to control building 32-bit iOS slices.	5 days a
docs	[docs] Update SIL.rst for the new verifier checks on enum instructions (	7 days a
include	Merge pull request #18550 from xedin/improve-conformance-req-diags	9 hours a

apple / swift

Watch 2,636 | Star 44,786 | Fork

Code | Pull requests 355 | Insights

is:pr is:open | Labels | Milestones | New pull req

355 Open | ✓ 18,170 Closed | Author | Labels | Projects | Milestones | Reviews | Assignee | So

[build-script] Generate JUnit results from lit for LLDB ●
#18566 opened an hour ago by JDevlieghere

[tensorflow] Fix a crash caused by tf::skipInternalLocations. ✓
#18565 opened 3 hours ago by dingobye • Approved

[CodeCompletion] Improve context type analysis ✓
#18564 opened 7 hours ago by rintaro

[WIP] [Name lookup] Teach shadowing to avoid validating decls until needed. ✗
#18562 opened 12 hours ago by DougGregor

[AccessEnforcementOpts] Add mergeAccesses analysis + optimization ●
#18560 opened 16 hours ago by shajrawi

cmake: build swift-swiftsyntax-test only when SwiftSyntax is built. ✗
#18558 opened 17 hours ago by nkcsgexi

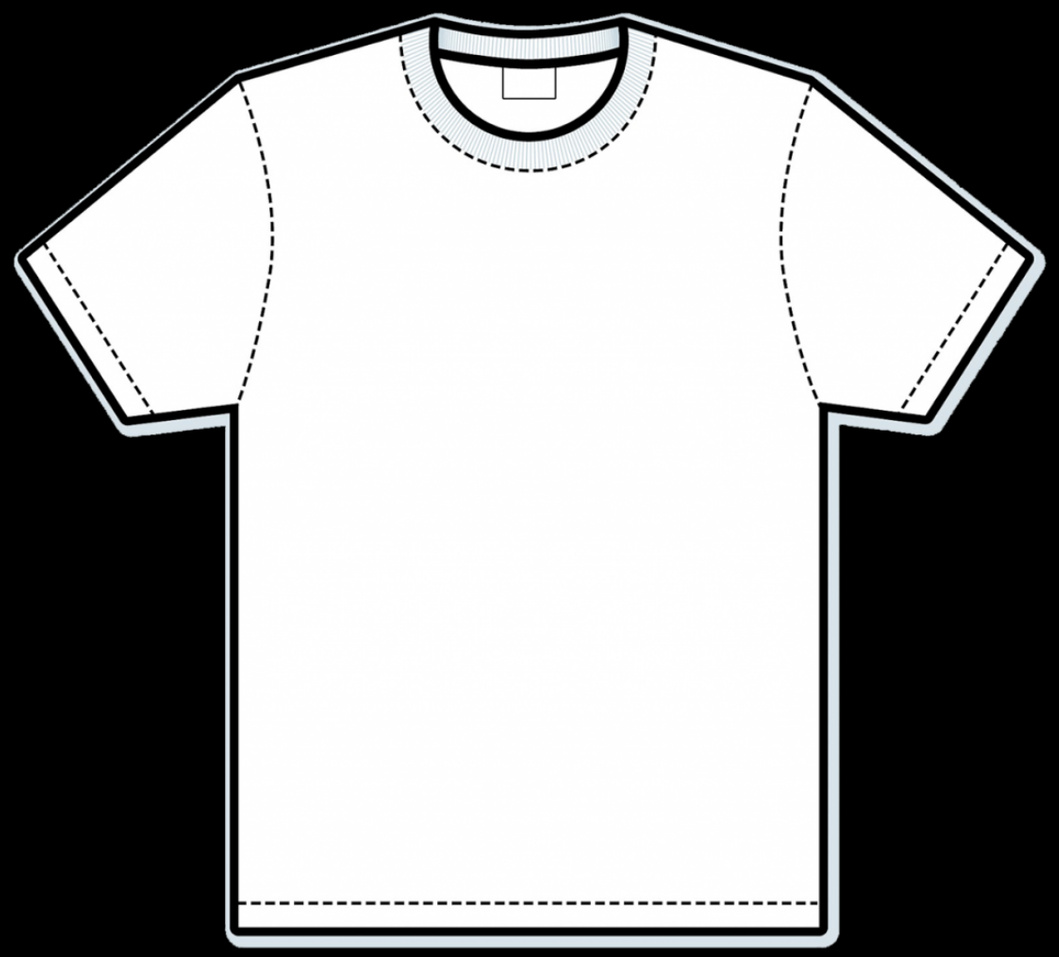
use lldb commit hash instead of branch name
#18555 opened 18 hours ago by marcrasi

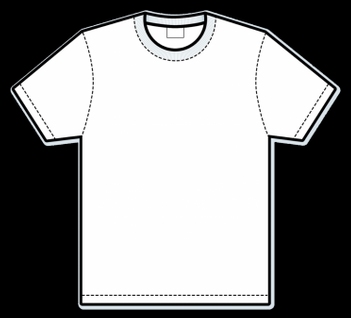
Add Undefined Behavior sanitizer to Swift Driver ●
#18553 opened 19 hours ago by rahul-malik

[Sema] NFC: Refactor most TypeResolutionFlags into a traditional enum ✗
#18546 opened a day ago by davezarzycki

GIT

Design a T-Shirt





Version1

Version2

Version3

Version4

Version5

A NEWS APP

- **10 year long project, still running**
- **10,000+ files (Source, Scripts, Images, Docs)**
- **Minimum 250 lines of code per file**
- **3-4 developers working on the project at a time**
- **Around 10-20 versions (code changes) per day**

Problems?

Version Control

Collaboration

SYSTEM DESIGN - UBER

Driver

Customer

Help section

Matching

Scheduled ride

Maps

ETA

Auto

Payments

Regions

Shares

Ratings

Vehicles

Search

GITHUB

Demo!

Build a sample Uber app using Git and Github

Repository(Repo)

Commit

CommitID

Using Terminal

cd ls open .

pwd mkdir rm

grep whatis man

git command

git status

git add

```
git remote -v
```

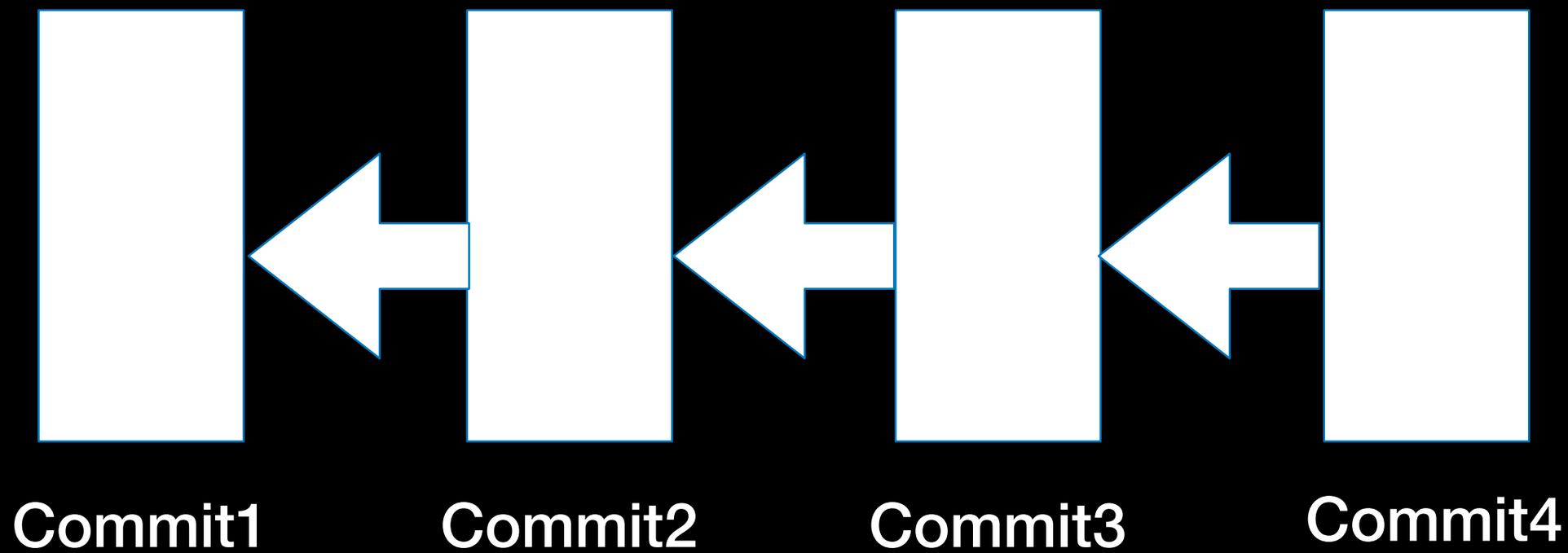
git commit

git commit -m “message”

git push

git push origin master

git pull origin master


Commit1
Commit2
Commit3
Commit4

Source code

Modified
(Staging area)

Version controlled
git add

Branching

Design an UBER app

Master branch

Customers to driver matching

Maps and ETA's

Trips

Payment

Maintenance

Feature branch

Reward system

git branch branchName

git checkout branchName

git merge branchName

Pull request

Feature branch

Master branch

Pull request

Merge

Review

Actual project

FORK

Your copy
(Remote)

upstream

Origin

Local
copy

Github pages

username.github.io

Add CNAME file for custom domain name

Thank you