

git and GitHub

by

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thessaloniki.rb

Version Control

git

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JEDI Version Control System

Project

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Introduction

Object of the JEDI VCS project is to support the migration of existing FreeVCS projects to JEDI VCS, while coexisting with FreeVCS.

Although the original name for the project was FreeVCS, the name will be changed to JEDI VCS. The name FreeVCS will still be used to refer to the old version of the system, while the new version will be called JEDI VCS.

News

2010

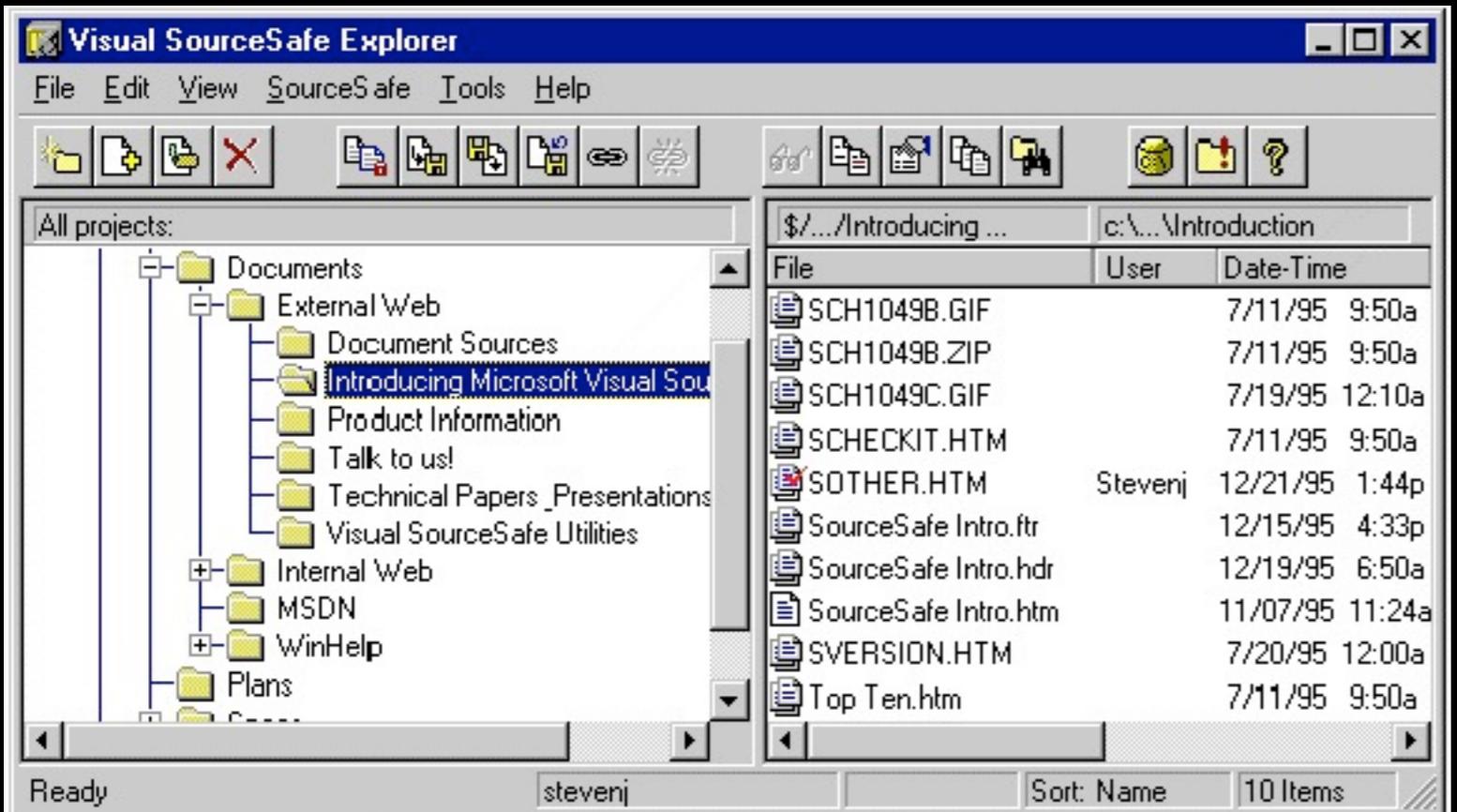
07-
February-
2010

JVCS 2.50 Beta 3

The JVCS team has released Beta 3, which is the third JVCS release.

OK,
Cool





**File based
Locking**

Corruptions





This is the former website of the Subversion software project, which now calls subversion.apache.org home.

Until the transition into Apache-hood is complete, this site will continue to serve some of the purposes of the Subversion project. For example, the project is still using the [issue tracker](#) hosted here. But in time, it is expected that this site will be converted into mostly just a set of pointers to information that has moved over to the subversion.apache.org site.

If you're looking for downloads of Subversion, visit our [Source Code](#) or [Packages](#) pages.

Thanks for your patience as we work through this transition!

Huge
improvement
over CVS

NO Locking

TortoiseSVN

Yeah
Baby!



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Git is...

Git is a **free & open source, distributed version control system** designed to handle everything from small to very large projects with speed and efficiency.

Every Git clone is a full-fledged repository with complete history and full revision tracking capabilities, not dependent on network access or a central server.

Branching and merging are fast and easy to do.

Git is used for version control of files, much like tools such as [Mercurial](#), [Bazaar](#), [Subversion](#), [CVS](#), [Perforce](#), and [Team Foundation Server](#).

Projects using Git

- [Git](#)
- [Linux Kernel](#)
- [Perl](#)
- [Eclipse](#)
- [Gnome](#)
- [KDE](#)
- [Qt](#)
- [Ruby on Rails](#)
- [Android](#)
- [PostgreSQL](#)
- [Debian](#)
- [X.org](#)

Yeaahhhhhhhh



Git is a **free & open**
source, distributed
version control
system designed to
handle everything from
small to very large projects
with speed and efficiency.

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GitHub is the best way to **collaborate** with others. Fork, send pull requests and manage all your **public** and **private** git repositories.

990.000+ people
hosting over
2.700.000+
repositories



Hi, amiridis-test

News Feed

News Feed

Your Actions

Pull Requests

Switch Context ▾

amiridis pushed to master at amiridis/playground 2 days ago



4eac0c3 change

amiridis pushed to master at amiridis/playground 2 days ago



fc7b45a amiridis

amiridis pushed to master at amiridis/playground 2 days ago



25ed25b Nice feature

amiridis pushed to master at amiridis/playground 3 days ago



e6203e1 super duper feature

amiridis uploaded a file to amiridis/playground 5 days ago

"Best_of_Marietta_Fafouti%20_28-06-2011.mp3" is at
amiridis/playground/downloads

amiridis uploaded a file to amiridis/playground 5 days ago



"Elta-Envelope.jpg" is at amiridis/playground/downloads

amiridis pushed to master at amiridis/playground July 05, 2011



aae04b3 Wow

Your Repositories (3)

New Repository

Find a repository...

All Repositories

Public Private Sources Forks

amiridis/playground



amiridis-test/playground



amiridis/besej



Watched Repositories (3)

Find a repository...

All Repositories

Public Private Sources Forks

amiridis/playground



amiridis/test-fad



heavymelon/heavymelon.com



[Source](#)[Commits](#)[Network](#)[Pull Requests \(3\)](#)[Fork Queue](#)[Issues \(19\)](#)[Wiki \(17\)](#)[Graphs](#)

Branch: master

[Switch Branches \(6\)](#)[Switch Tags \(1\)](#)[Branch List](#)Test project TEST — [Read more](#)

TEst

[Downloads](#)[SSH](#)[HTTP](#)[Git Read-Only](#)

git@github.com:amiridis/playground.git

[Read+Write access](#) [Clone in Mac](#)

change

amiridis (author)
2 days agocommit [4eac0c38ff1fcb33de7c](#)
tree [500846541dd5dccbd12f](#)
parent [f8f204ab54be19bf118](#)

playground /



name	age	message	history
afolder/	December 20, 2010	a new folder [amiridis]	
.gitmodules	October 14, 2010	Add submodules sm1, sm2 [amiridis]	
Constants.java	2 days ago	change [amiridis]	
LICENSE.mdwn	June 28, 2011	Great change that changes how people view programm... [amiridis]	
LinuxWidgetFactory.m	December 08, 2010	test line endings [amiridis]	
OLD_README.txt	June 13, 2011	testing asciidoc relative links [amiridis]	
README.asciidoc	June 13, 2011	Edited README.asciidoc via GitHub [amiridis]	
TEST.rst	April 07, 2011	Edited TEST.rst via GitHub [amiridis]	
class.simplenote.php	November 25, 2010	making sure it can handle the two dots [amiridis]	
classsimpplenote.php	November 25, 2010	making sure it can handle the two dots [amiridis]	

Account Setup

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\$0/mo

Free for open sourceUnlimited public repositories and **unlimited** public collaborators[Create a free account](#)

Micro

\$7/mo

5 Private Repositories
1 Private Collaborator

Unlimited public repositories

Unlimited public collaborators

[Create an account](#)

Small

\$12/mo

10 Private Repositories
5 Private Collaborators

Unlimited public repositories

Unlimited public collaborators

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Medium

\$22/mo

20 Private Repositories
10 Private Collaborators

Unlimited public repositories

Unlimited public collaborators

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Business Plans

Bronze

\$25/mo

10 Private Repositories
Unlimited Teams

Unlimited public repositories

[Create an organization](#)

Silver

\$50/mo

20 Private Repositories
Unlimited Teams

Unlimited public repositories

[Create an organization](#)

Gold

\$100/mo

50 Private Repositories
Unlimited Teams

Unlimited public repositories

[Create an organization](#)

Platinum

\$200/mo

125 Private Repositories
Unlimited Teams

Unlimited public repositories

[Create an organization](#)



Sign up for GitHub

[Log in to an existing account](#)

\$0/mo

You are signing up for the **free** planThe cost for this plan is **\$0 per month**. You can cancel, downgrade, or upgrade at any time.

Create your free personal account

Username

mitsaras

**Email Address**

mitsaras@manaviko.gr



We promise we won't share your email with anyone.

Password

.....



Must contain one lowercase letter, one number, and be at least 7 characters long

Confirm Password

By clicking on "Create an account" below, you are agreeing to the [Terms of Service](#) and the [Privacy Policy](#).

[Create an account](#)[facebook](#)[EMI](#)[YAHOO!](#)[37signals](#)

You're joining the smartest companies in the world

- ✓ **Email support**
- ✓ **Upgrade, downgrade or cancel at any time**
- ✓ **Secure, reliable, always-available repository hosting**

Version
Control

git

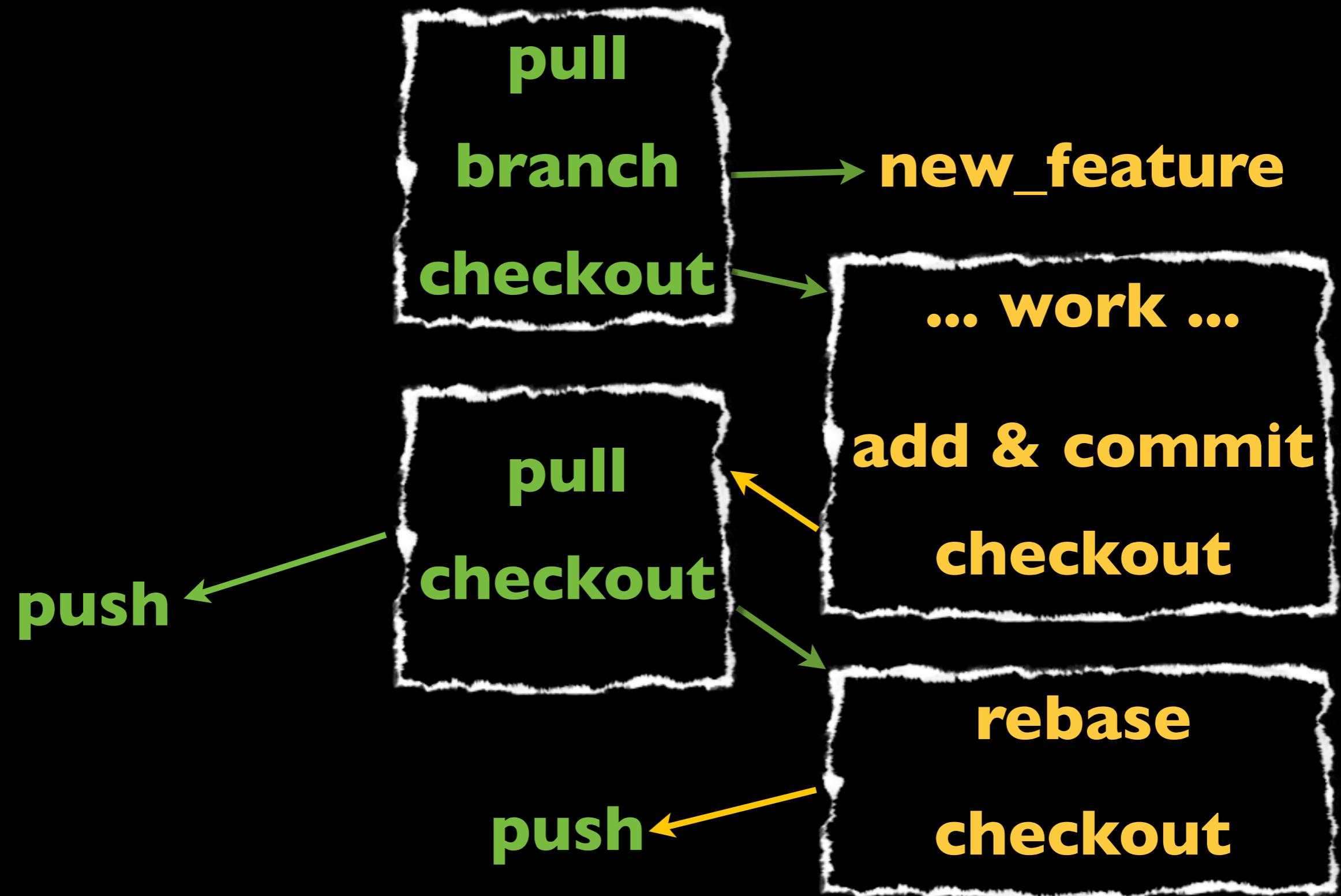
GitHub

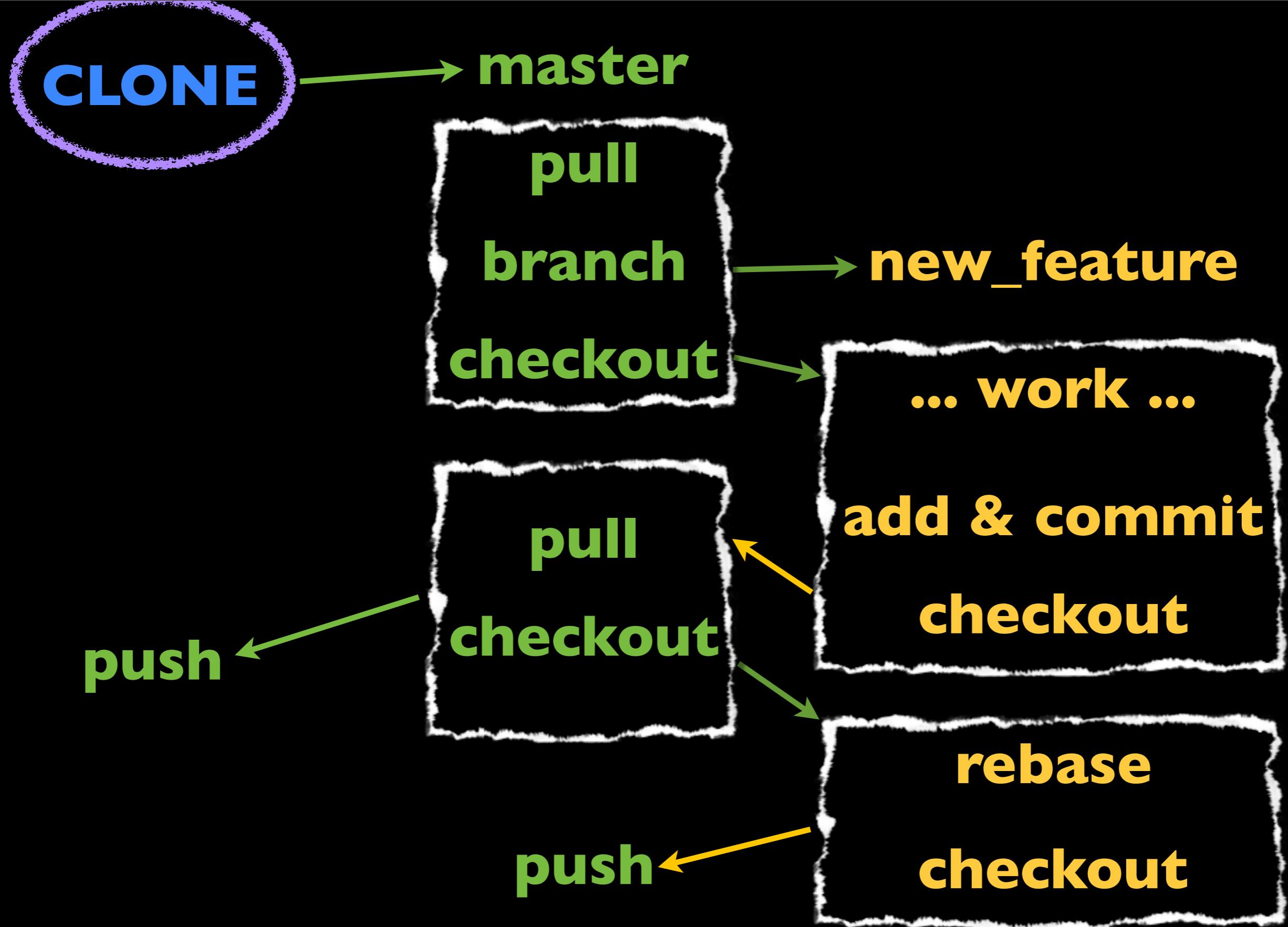
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CLONE → **master**





Source

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Branch List

Test project TEST — [Read more](#)

TEst

SSH

HTTP

Git Read-Only

git@github.com:amiridis/playground.git

copy to clipboard



ReadWrite access

**git clone git@github.com:amiridis/playground.git****~/playground**

```
preso $ git clone git@github.com:amiridis/playground.git
Initialized empty Git repository in /Users/petran/Downloads/preso/playg
round/.git/
remote: Counting objects: 350, done.
remote: Compressing objects: 100% (214/214), done.
remote: Total 350 (delta 168), reused 289 (delta 110)
Receiving objects: 100% (350/350), 81.67 KiB, done.
Resolving deltas: 100% (168/168), done.
preso $ ls
playground
preso $ cd playground
playground (master) $ 
```

```
playground (master) $ git remote -v
origin  git@github.com:amiridis/playground.git (fetch)
origin  git@github.com:amiridis/playground.git (push)
playground (master) $ 
```

CLONE

master

pull

branch

checkout

new_feature

... work ...

add & commit

checkout

push

pull

checkout

rebase

checkout

push

```
playground (master) $ git branch  
* master  
playground (master) $ 
```

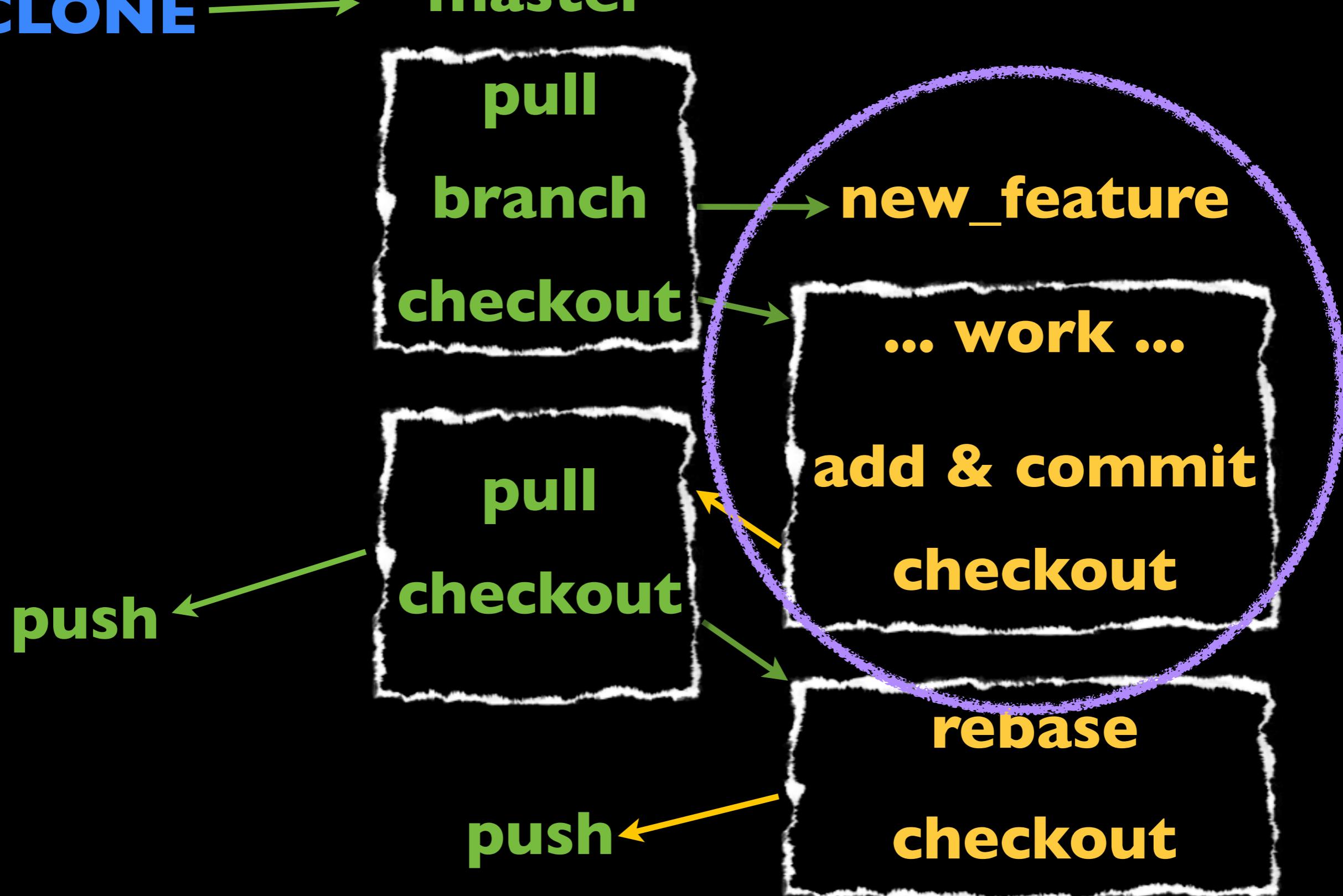
```
playground (master) $ git pull origin master
From github.com:amiridisi/playground
 * branch           master      -> FETCH_HEAD
Already up-to-date.
playground (master) $ 
```

```
playground (master) $ git branch new_feature
playground (master) $ git branch
* master
  new_feature
playground (master) $ 
```

```
playground (master) $ git checkout new_feature
Switched to branch 'new_feature'
playground (new_feature) $ git branch
  master
* new_feature
playground (new_feature) $ 
```

CLONE

master



```
playground (new_feature) $ ls Constants.java  
Constants.java  
playground (new_feature) $ 
```

```
1  /* New Comment */~  
2 ~  
3 ~  
4  amiridis-test-thessrb#2~  
5  amiridis-test-change~  
6  allagi-amiridis~  
7  amiridis-test~  
8  amiridis~  
9  new feature~  
10 new~  
11 amiridis-test~  
12 * Licensed to the Apache Software Foundation (ASF) under one~  
13 Super duper~  
14 * or more contributor license agreements. See the NOTICE file~  
15 New feature~  
16 * distributed with this work for additional information~  
17 * regarding copyright ownership. The ASF licenses this file~  
18 * to you under the Apache License, Version 2.0 (the~  
19 * "License"); you may not use this file except in compliance~  
20 * with the License. You may obtain a copy of the License at~  
21 *~  
22 New feature~  
23 * http://www.apache.org/licenses/LICENSE-2.0~  
24 *~  
25 * Unless required by applicable law or agreed to in writing,~  
26 * software distributed under the License is distributed on an~  
27 * "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY~  
28 * KIND, either express or implied. See the License for the~  
29 * specific language governing permissions and limitations~  
30 * under the License.~  
31 amiridis-test~
```

```
playground (new_feature *) $ git diff Constants.java
diff --git a/Constants.java b/Constants.java
index 601cc9e..c24f7b3 100644
--- a/Constants.java
+++ b/Constants.java
@@ -1,6 +1,7 @@
 /* New Comment */

/*
+ amiridis-test-thessrb#2
  amiridis-test-change
  allagi-amiridis
  amiridis-test
playground (new_feature *) $ 
```



```
playground (new_feature *) $ git status
# On branch new_feature
# Changed but not updated:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   Constants.java
#
no changes added to commit (use "git add" and/or "git commit -a")
playground (new_feature *) $ 
```

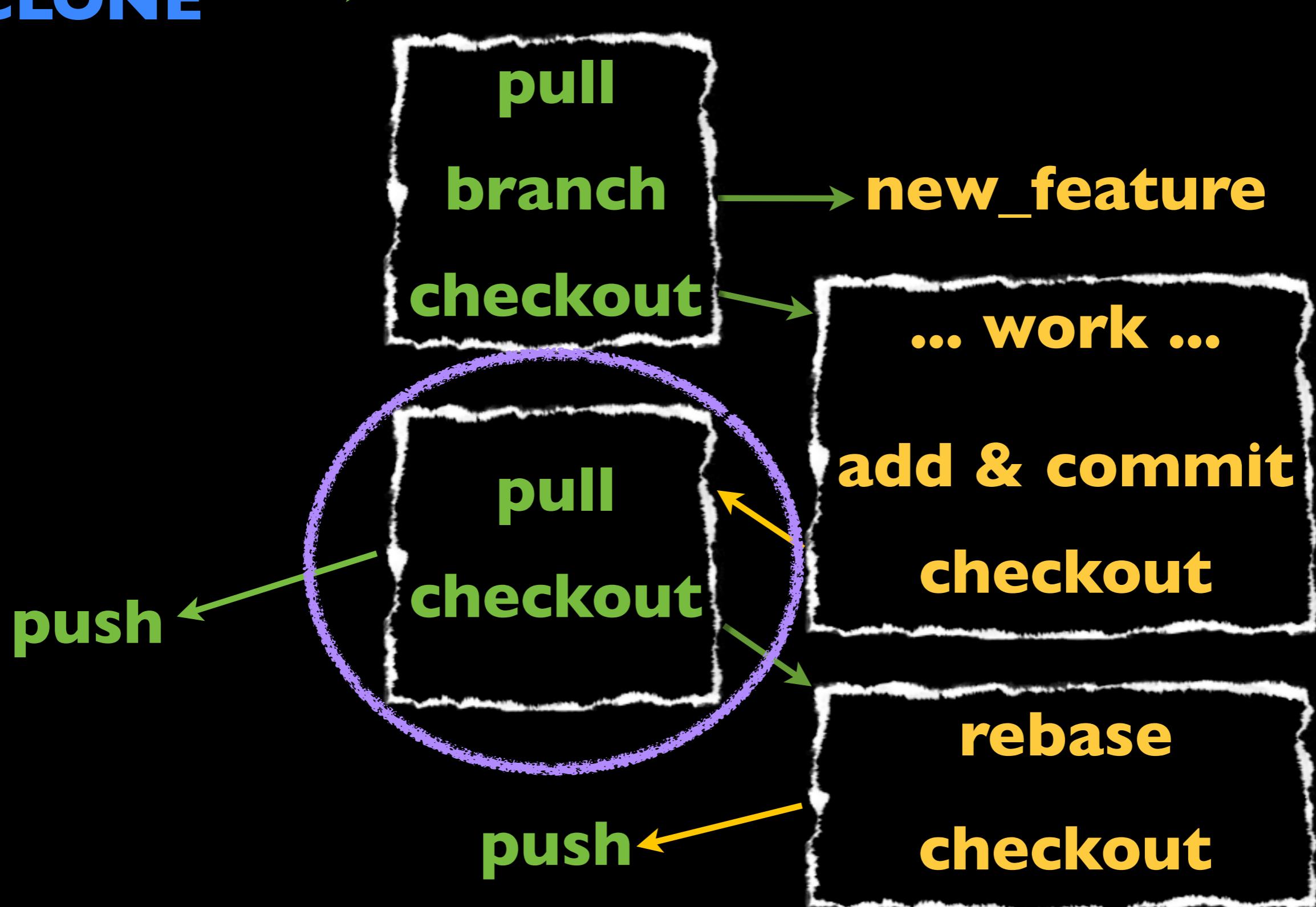
```
playground (new_feature *) $ git add Constants.java
playground (new_feature +) $ git status
# On branch new_feature
# Changes to be committed:
#   (use "git reset HEAD <file>..." to unstage)
#
#       modified:   Constants.java
#
playground (new_feature +) $ 
```

```
playground (new_feature +) $ git commit -m "My super feature"
[new_feature 8a78ba3] My super feature
 1 files changed, 1 insertions(+), 0 deletions(-)
playground (new_feature) $ git status
# On branch new_feature
nothing to commit (working directory clean)
playground (new_feature) $ 
```

```
playground (new_feature) $ git checkout master
Switched to branch 'master'
playground (master) $ 
```

CLONE

master



```
playground (master) $ git pull origin master
remote: Counting objects: 5, done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2)
Unpacking objects: 100% (3/3), done.
From github.com:amiridis/playground
 * branch           master      -> FETCH_HEAD
Updating 93597c1..def5878
Fast-forward
 TEST.rst |    4 +---
 1 files changed, 3 insertions(+), 1 deletions(-)
playground (master) $ 
```

```
playground (master) $ git checkout new_feature
Switched to branch 'new_feature'
playground (new_feature) $ 
```

CLONE

master

push

push

**pull
branch
checkout**

**pull
checkout**

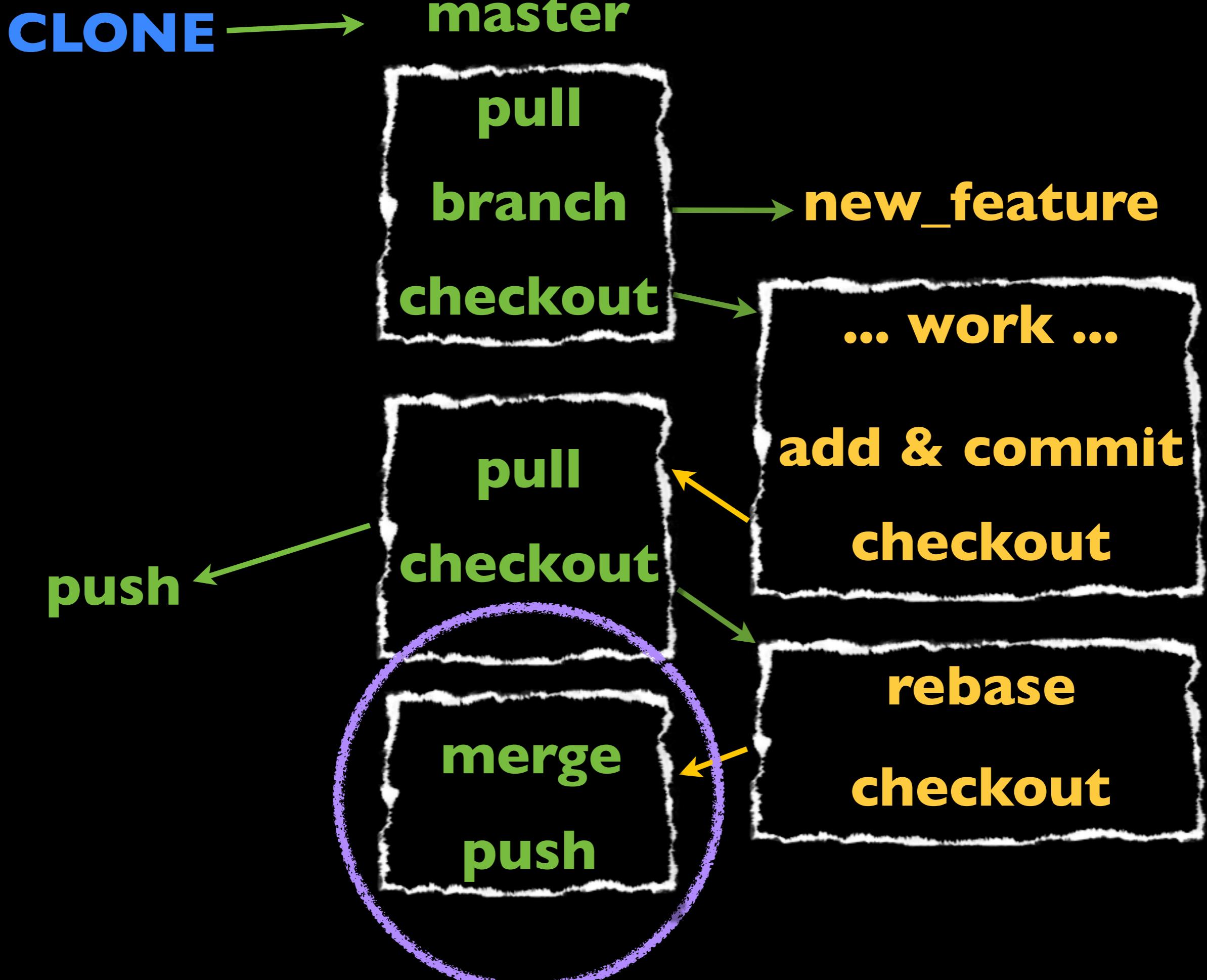
new_feature

**... work ...
add & commit
checkout**

**rebase
checkout**

```
playground (new_feature) $ git rebase master
First, rewinding head to replay your work on top of it...
Applying: My super feature
playground (new_feature) $ 
```

```
playground (new_feature) $ git checkout master
Switched to branch 'master'
playground (master) $ 
```



```
playground (master) $ git merge new_feature
Updating def5878..31061aa
Fast-forward
 Constants.java |    1 +
 1 files changed, 1 insertions(+), 0 deletions(-)
playground (master) $ 
```

```
playground (master) $ git push origin master
Counting objects: 5, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 307 bytes, done.
Total 3 (delta 2), reused 0 (delta 0)
To git@github.com:amiridis/playground.git
  def5878..31061aa  master -> master
playground (master) $ 
```

Commit History for amiridis/play...



amiridis 1

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Keyboard shortcuts available

playground / Commit History

2011-09-06

My super feature

 amiridis (author)
18 minutes agocommit 31061aab1e65318c8880
tree 8aa89980d1d6268f6c18
parent def5878fcc11a551d3b5

Edited TEST.rst via GitHub

 amiridis-test (author)
13 minutes agocommit def5878fcc11a551d3b5
tree 3bc2dd6c04ee58bcaa66
parent 93597c147ca578845190**2011-08-30**

will this commit get linked? somerepo/f99e0310faf34ab37f7fb31ff2592fa6d6...

 amiridis (author)
August 30, 2011commit 93597c147ca578845190
tree 3d8d12c6098fd95733a5
parent 5540b5eb95620f2c185c**2011-08-26**

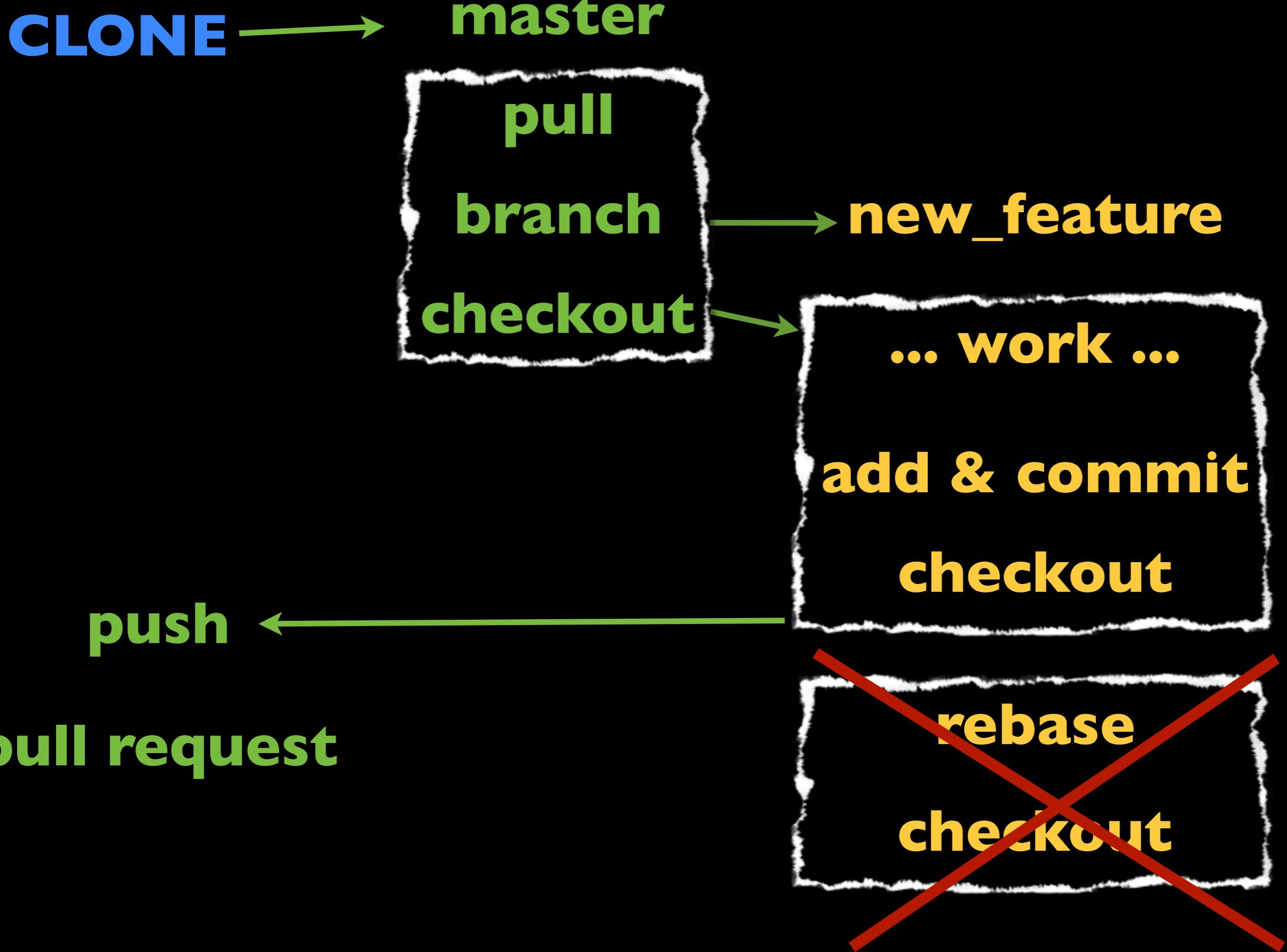
Yeah!

commit 5540b5eb95620f2c185c

```
playground (master) $ git branch -d new_feature
Deleted branch new_feature (was 31061aa).
playground (master) $ git branch
* master
playground (master) $ 
```

Review

- `git clone URL`
- `git branch new_feature`
- `git checkout new_feature`
- `git pull origin master`
- `git add a_file`
- `git commit -m "message"`
- `git merge new_feature / git rebase master`
- `git push origin master`





#8: Newfeature by amiridis-test f...

Source

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Branch: master

Open

1 commit merged into **amiridis:master** from **amiridis-test:newfeature** 6 months

#8

Discussion

Commits <> 1

Diff >= 1



amiridis-test opened this pull request February 27, 2011

Open

Newfeature

Please accept this!!!! It's the only feature you expected for such a long time! Please! Please! I will buy you a beer. Please!!! Don't think I am desperate here. Please don't ever think that... but pleeeeeaaaaasssseeeeeee. Accept that pull request NOW!!! If you don't accept it I'll come there and hit you on the head with a stick. Oops. Sorry. Ignore my last statement. I would delete it actually, but I only know how to type forward. Please ignore it, I would never do that to you, even if I thought about doing it. Anyway, could you accept it please?

+ 1 addition

- 1 deletion

[All Pull Requests](#)

amiridis-test and amiridis are participating in this pull request.



+ amiridis-test added some commits

February 27, 2011

c1cdacd My super duper new feature



amiridis commented

February 27, 2011

Are you sure man I am free to accept this or even reject this without fearing my life would end by a flying stick? What



amiridis-test commented

February 27, 2011

Yes dude. I don't even own a stick.



#8: Newfeature by amiridis-test f...



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Branch: master

Open

1 commit merged into amiridis:master from amiridis-test:newfeature 6 months

#8

Discussion

Commits ↗ 1

Diff ➤ 1

Showing 1 unique commit by 1 author.

c1cdacd0



amiridis-test

My super duper new feature

February 27, 2011



GitHub

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#8: Newfeature by amiridis-test f...



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Source Commits Network Pull Requests (3) Fork Queue Issues (20) Wiki (22) Graphs Branch: master

Open 1 commit merged into amiridis:master from amiridis-test:newfeature 6 months #8

Discussion 1 Commits <> 1 Diff >= 1

Showing 1 changed files with 1 addition and 1 deletion.

README.txt 2 2 2 2 2

show inline notes | [View file @ c1cdacd](#)

```
diff --git a/README.txt b/README.txt
--- a/README.txt
+++ b/README.txt
@@ -2,4 +2,4 @@
 2   2 this is a test
 3   3 This is a second huge test. I can't believe how many tests I do in this repository.
 4   4 A huge test
```

1 amiridis repo owner June 22, 2011

Let me do a comment

Add a line note

5 -
5 +This is a huge change that I will ask amiridis to accept using the super duper Pull Request GitHub feature.

Tip: You can add notes to lines in a file.
Hover to the left of a line to make a note

1	2	3	4	5
41	4			

Twitter
@amiridis

