

Git

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Androids: Design and Practice

Git Overview

- Fast, small, distributed
 - All local (can work offline)
 - Compressed
 - Every clone is a full copy
 - Snapshot-based
- Common commands
 - `git clone`
 - `git checkout -b newbranch`
 - `git checkout branch`

Initial Commands

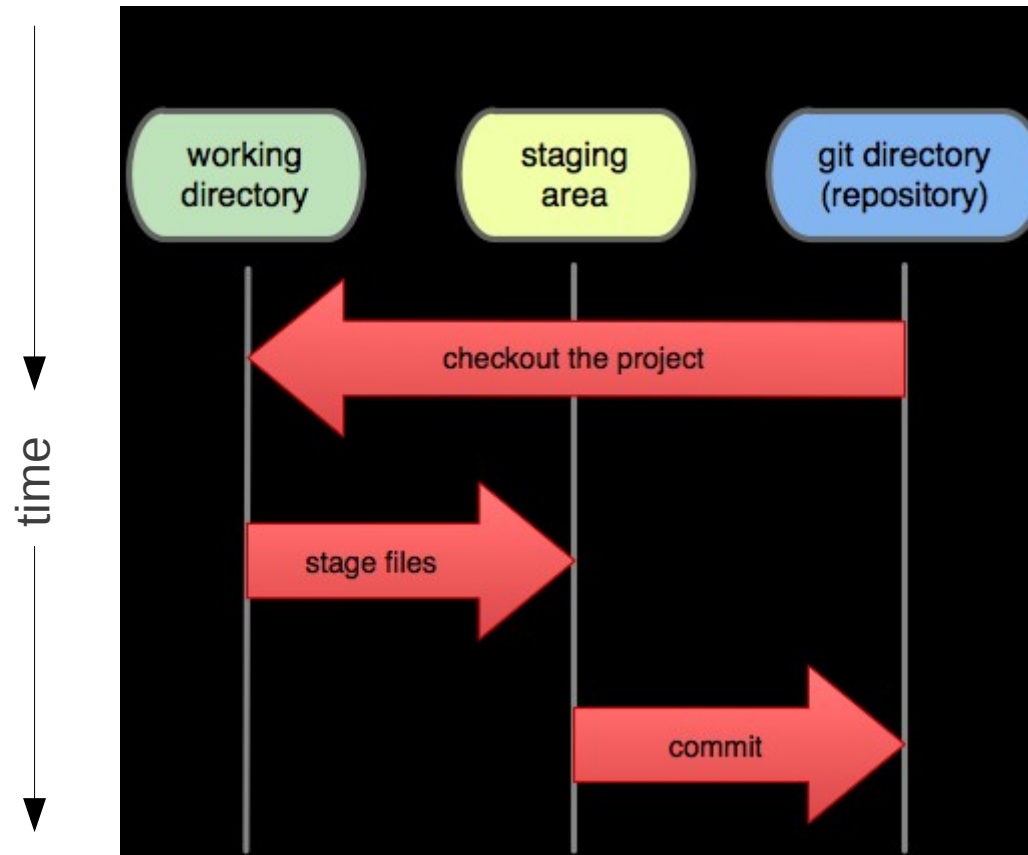
- Setup
 - `git config --global user.name "Doug Blank"`
 - `git config --global user.email "dblank@bmc.edu"`
 - `git config --global user.email 'emacs'`
 - `git config user.name`
- New Repository
 - `cd folder; git init`
 - `git add .`
 - `git commit -m "Message about commit"`

Cloning

- Over git:
 - git clone [git://github.com/schacon/munger.git](https://github.com/schacon/munger.git)
 - cd munger
 - Ls
- Over http:
 - git clone <http://github.com/schacon/munger.git>
- Either on github

Git Workflow

place



Git commands

- `git diff` – See differences made
 - `git diff –staged` – See just staged differences
- `git status` – See the current state
- `git add` – Add files and directories
- `git commit` – Commit staged changes
- `git commit -a` – Commit all staged and unstaged changes

Managing a Form

- Get a github account, github.com
- At github on the UPennalizers site, click Fork
 - <https://github.com/UPenn-RoboCup/UPennalizers>
- You can clone and make copies to your own version
- If you have a change you'd like to suggest that the UPenn incorporate:
 - Make a “Pull Request”

Bring your Fork up-to-date with Original

The screenshot shows the GitHub interface for a repository named 'UPennalizers' forked from 'UPenn-RoboCup/UPennalizers'. The 'Network' tab is selected, and the 'Fork Queue' is visible. A yellow banner indicates the current integration branch is 'master'. Below this, a commit by Jordan Brindza is shown. The 'Your UPennalizers Fork Queue' section is highlighted, showing a list of pending pull requests from the original repository. The first pull request is selected, and the 'Actions' dropdown menu is open.

github SOCIAL CODING dsblank Dasl Explore GitHub G

dsblank / UPennalizers forked from UPenn-RoboCup/UPennalizers Admin Unwa

Code Network Pull Requests 0 W

Graph Members Fork Queue

? Your current integration branch is: master change it

2011-10-30 Jordan Brindza removed unneccary comments from Lib/Makefile

Your UPennalizers Fork Queue ? Will lik

Last updated 8 minutes ago

UPenn-RoboCup / UPennalizers

Select All, None Actions

<input checked="" type="checkbox"/>	df0640	vector023	OpDemo works in Webots.
<input type="checkbox"/>	d4f164	brindza	removed object/library files from Cutil
<input type="checkbox"/>	63a3e4	brindza	added creation of Player/Lib to the setup makefile...
<input type="checkbox"/>	7c9bae	brindza	changed malloc/malloc.h reference to malloc.h for ...
<input type="checkbox"/>	72667e	brindza	removed cutil.so library file and add cutil.so lin...
<input type="checkbox"/>	805770	brindza	removed mac os dylib binaries from Install

And Accept!