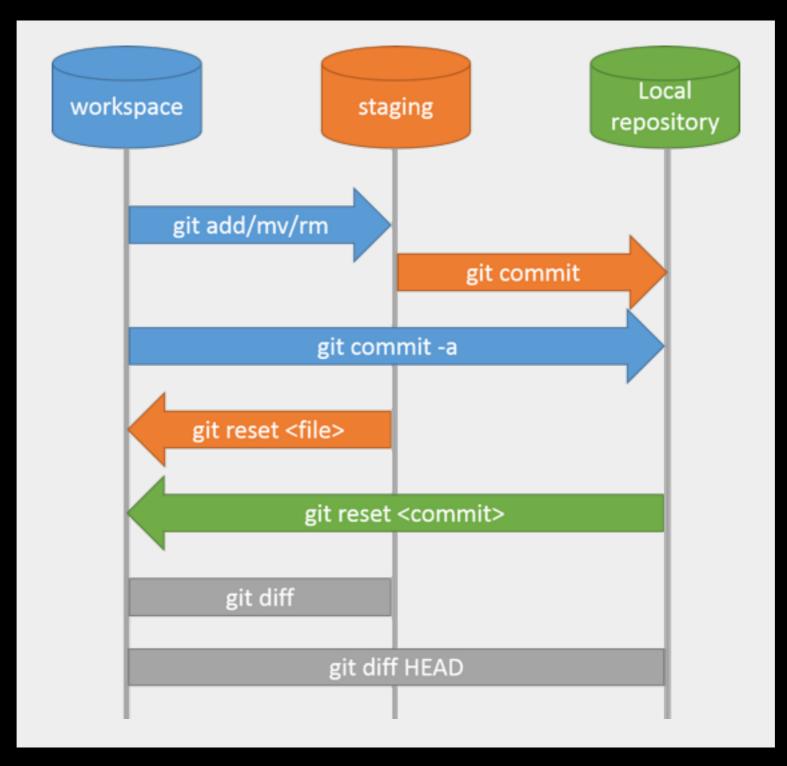
# The most important git command

git status

# Okay, so what just happened?



(image courtesy of 'research bazaar' https://raw.githubusercontent.com/resbaz/lessons/master/git/git-local.png)

Now it's your turn...

- 1. create a new file, restaurants.txt
- 2. commit it to the repository
- 3. add some text to it e.g. the name and a short description of your favourite restaurant
- 4. commit those changes too

- 1. make some changes to restaurants.txt
- 2. commit them to the repository
- 3. make some more changes
- 4. discard the most recent changes to restaurants.txt
- 5. revert restaurants.txt to the state it was in before you started this exercise

- 1. Split into pairs A & B
- 2. A adds B to her repository
- 3. B clones A's repository (keep names different!)
  - cd ..
  - git clone https://github.com/userA/repo.git ~/ Desktop/userA-repo
- 4. B makes some changes, then adds, commits, pushes (during this, A makes **no** changes)

- B changes first line of restaurants.txt, adds, commits, pushes before A
- 2. A also changes that line, adds, commits
- 3. A should now try to push the changes...

## Conflict resolution

```
$ cat file_with_merge_conflict
<<<<<< HEAD
this is the file content in the local version
======
this is the conflicting content that
was retrieved from the remote repository when
we tried to pull changes
>>>>>> 25484e4dbed3e259db9a64d51ec7a74552998036
```

- Swap roles and repeat the previous process, creating and resolving a merge conflict
- remember to commit and push the changes when you're done

# What we haven't covered

The other ~99% of git functionality

# Suggested reading

- The Git Parable <a href="http://tom.preston-werner.com/2009/05/19/the-git-parable.html">http://tom.preston-werner.com/2009/05/19/the-git-parable.html</a>
- Git Concepts Simplified <a href="http://gitolite.com/gcs.html">http://gitolite.com/gcs.html</a>
- SWC Git Lesson <a href="http://swcarpentry.github.io/git-novice/">http://swcarpentry.github.io/git-novice/</a>
- GitHub Flow <a href="http://scottchacon.com/2011/08/31/github-flow.html">http://scottchacon.com/2011/08/31/github-flow.html</a>

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