



DEV ACADEMY
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Pair Programming, Git, and GitHub

Week 1, Day 1





Agenda for Today

- Pair programming
- VS Code
- git-iam
- git and GitHub
 - ``git clone``, ``git branch``, ``git checkout``
 - ``git add``, ``git commit``, ``git push``
 - ``git fetch``, ``git pull``, ``git merge``
- Introduction to this morning's challenge



Pair programming

How to

- Driver/navigator
- Collaborate on problems
- Embrace different styles of problem solving and communicating
- Checking in and checking out with your partner

Advantages

- More eyes to find mistakes = better code!
- Improve communication skills
- Rubber ducking
- Diversity of thought – like an escape room
- Learn how others problem-solve
- Improve collaboration skills

Disadvantages

- Can take more time
- Incompatible styles (communication, learning, problem solving)
- In the beginning, may feel like too many cooks in the kitchen
- Can be intimidating
- Different energy levels



Pair programming

Tips and Demo!

- Think of Bootcamp like a workplace - respect and communication is key
- Switch often - check energy levels, take breaks when needed.
- Keep communicating
 - Practice human skills
 - Teaching *and* learning are equally important
- Check in
 - How are you feeling?
 - Learn what works/ doesn't work for them
- Check out
 - How did it go?
 - Any constructive feedback?



git and GitHub

Revision

- Version control system
- Track changes over time
- git (local)
- GitHub (online service/cloud)



git-iam

USAGE

```
git iam daph  
  
# ... make commits as daph  
  
git iam hannah  
  
# ... make commits as hannah
```



Git Commands Cheatsheet

Creating a new branch

```
$ git branch [branch-name]
$ git checkout [branch-name]
# or
$ git checkout -b [branch-name]

# zsh alias
$ gcb [branch-name]
```

Committing files

```
$ git commit -m "commit message"

# zsh alias
$ gc -m "commit message"
```

Moving Branches

```
$ git checkout [branch-name]

# zsh alias
$ gco [branch-name]
```

Pushing to GitHub

```
# to specify branch
$ git push origin [branch-name]
# for the first push to a new branch
$ git push -u origin [branch-name]
# other times
$ git push

# zsh alias
$ gp [branch-name]
```

Staging files

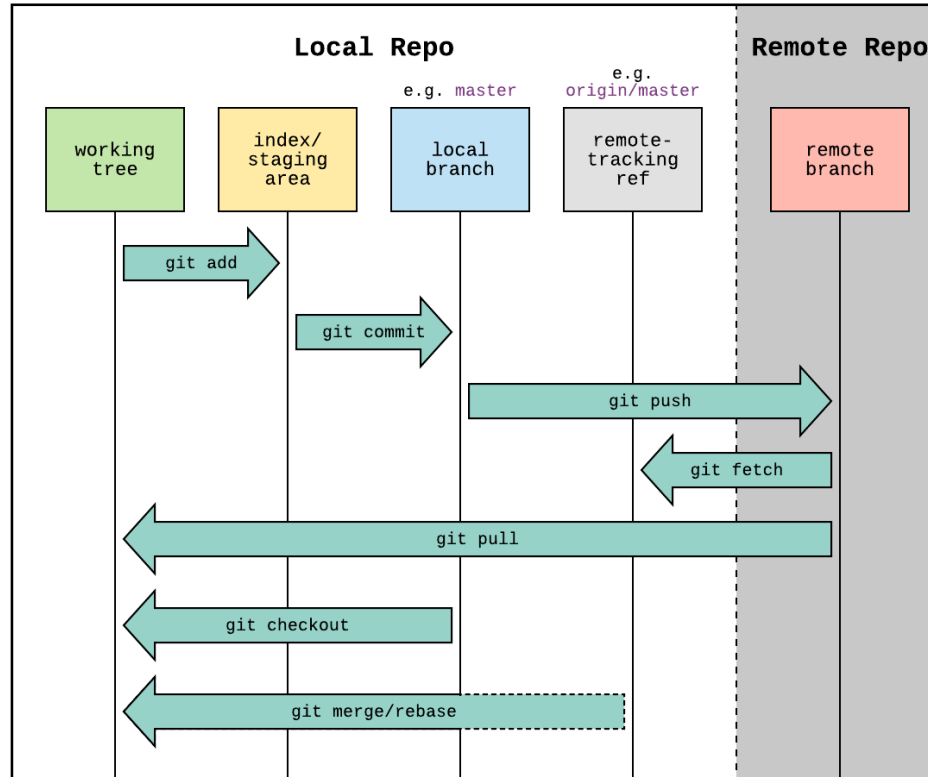
```
$ git add [file-path]
# or
$ git add .
# or
$ git add -A

# zsh alias
$ ga [file-path]
```

Read more about:

- [git commands](#)
- [zsh aliases](#)

Git and GitHub





Two truths and a lie

Challenge

Pair One:

Pair Two:

