# Session 2.1 - Review + Git Branching

# "Software is eating the world."

- Marc Andreessen

# "Software is eating the world."

# Cash Register

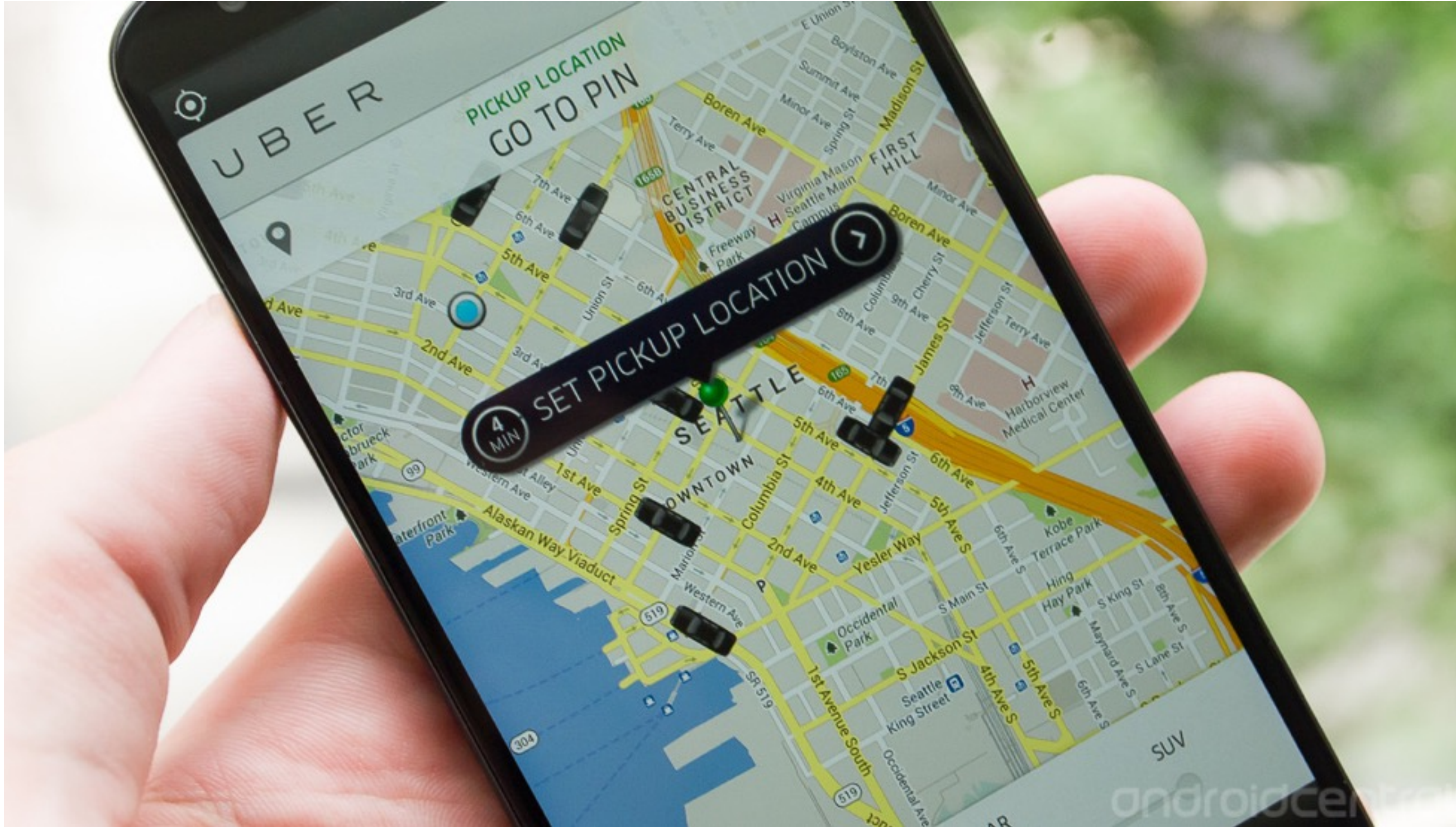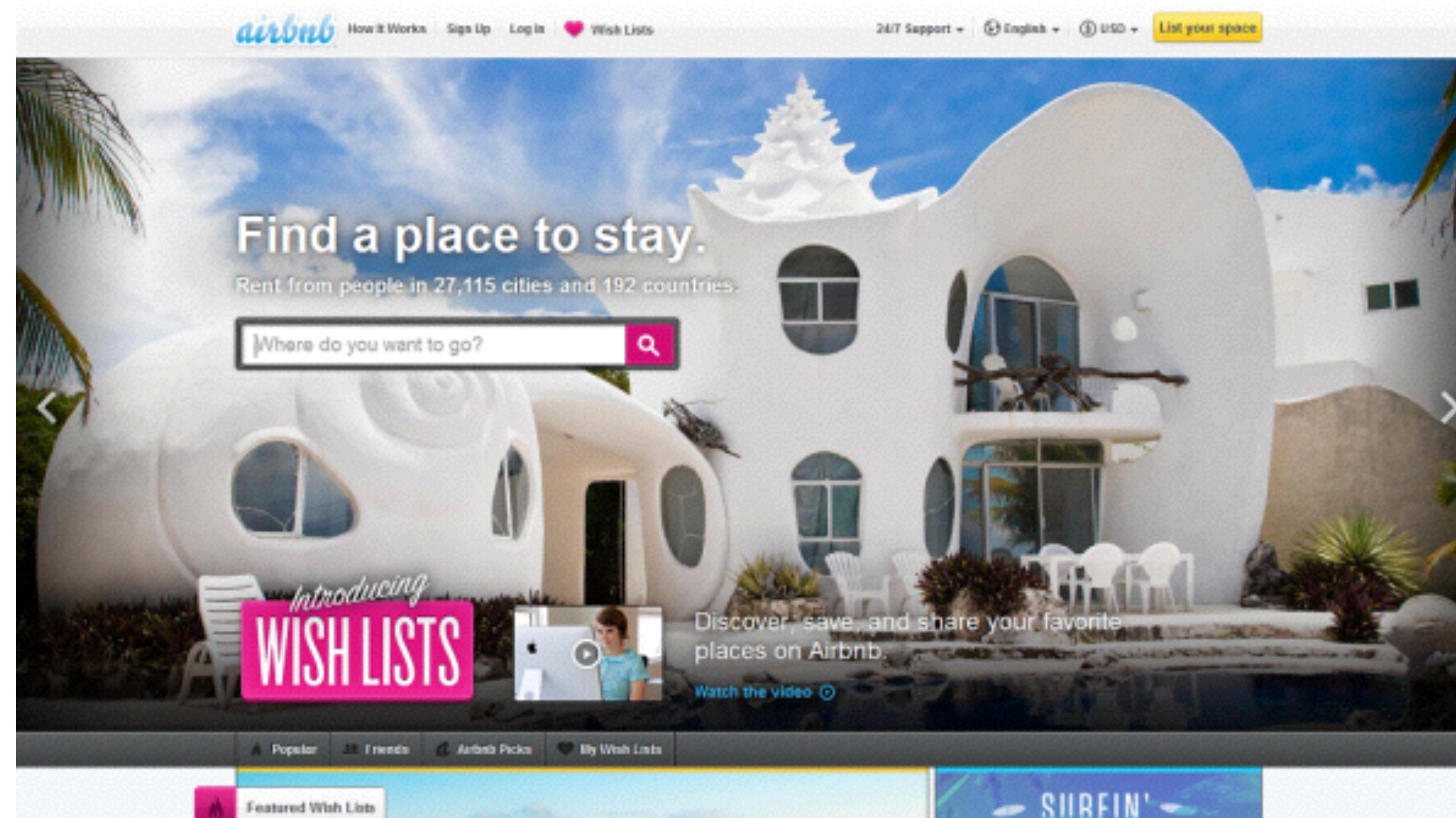# Cash Register

# Taxis

# Taxis

# Entertainment

# Entertainment

# Vacations

# Vacations

# Internet of Things

# Internet of Things

# Auto Industry

# Auto Industry

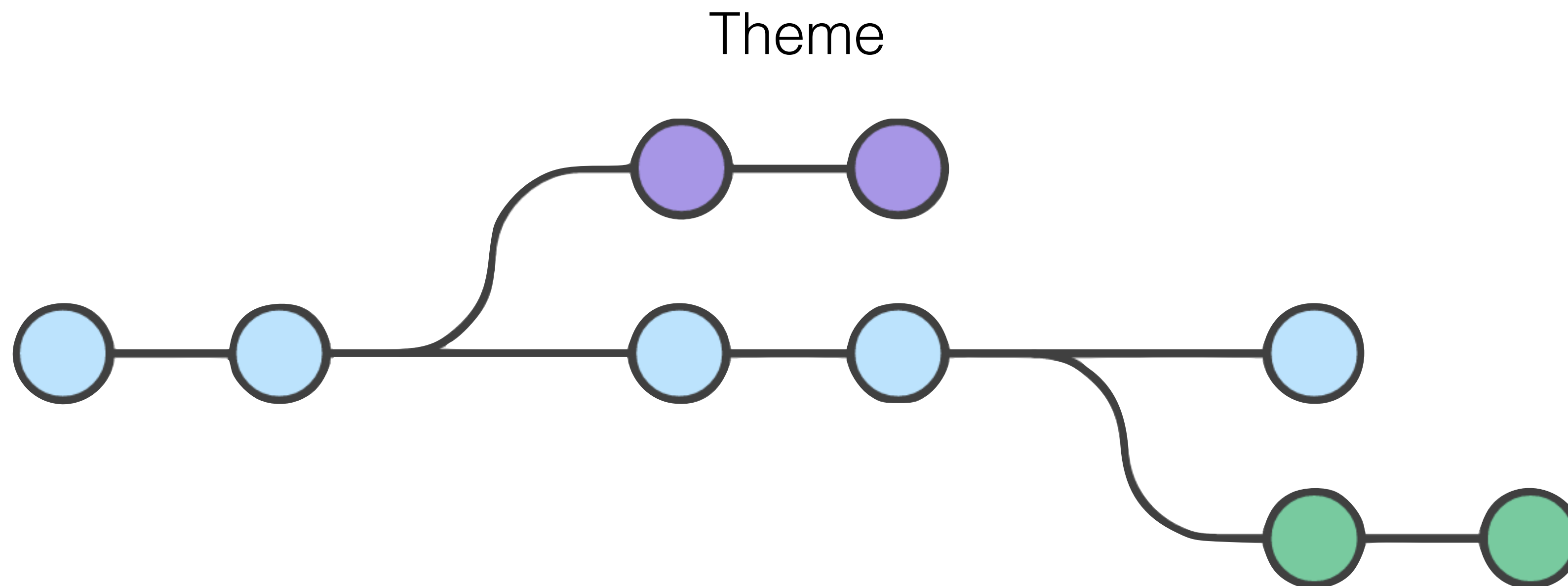# What do they all have in common?

# What do they all have in common?

- HTML
- CSS
- Javascript
- Databases
- APIs
- Search

- Data Retrieval
- Data Structures
- Deployment
- Collaborative Development
- Cloud Infrastructure

# What do they all have in common?

All things that we'll learn and that employers (and the world) needs.

# Review + Git Branching. Working with others.

Theme

# Review Topics

- Where is your workspace?

- One git per folder

- Homework concepts

# Objectives

- Students will push to github

- Students will push to heroku

- Students will use branches to collaborate together on a github repository
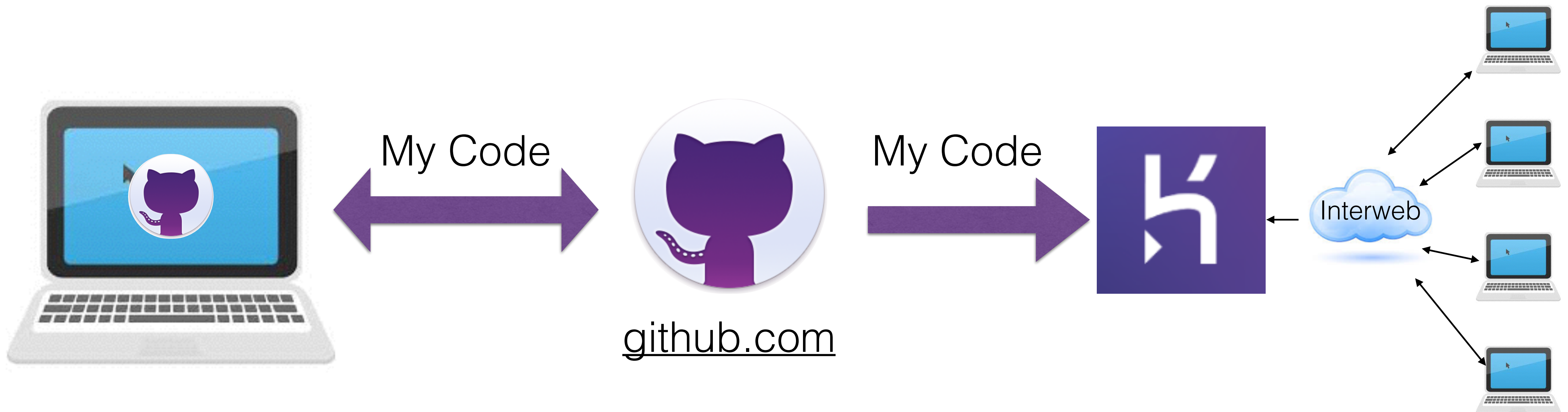
# Topic - Git

- Goto git commands

- Git, Github and Heroku

```
git clone
git init
git add .
git status
git commit -m "Commit Message"
git push
git pull
```

# Topic - Git, Github and Heroku



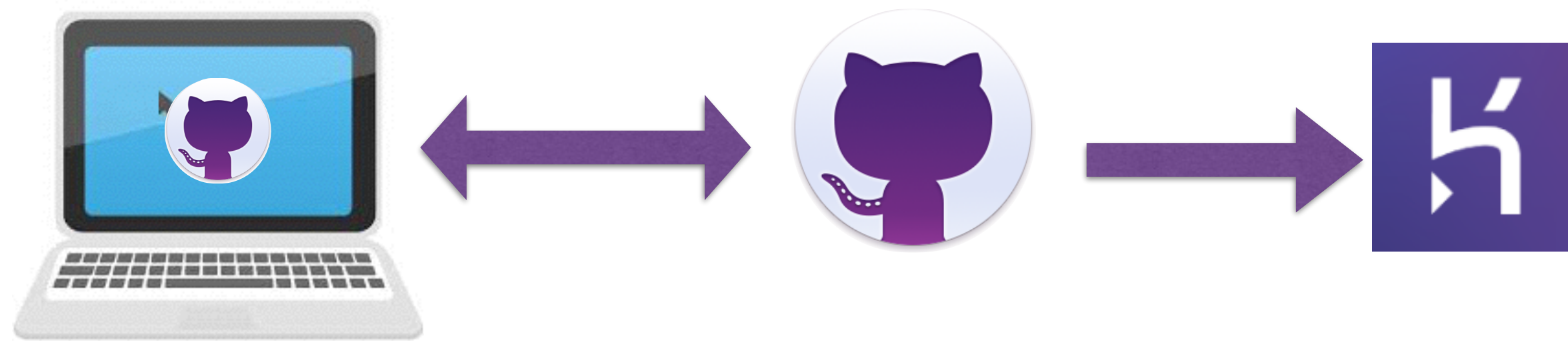My Code

github.com

My Code

Interweb

# Topic - Git, Github and Heroku

- git remote -v

- git push heroku master

```
git clone
git init
git add .
git status
git commit -m "Commit Message"
git push
git pull
git remote
git push heroku master
```

# git remote

The git remote command lets you create, view, and delete connections to other repositories. Remote connections are more like bookmarks rather than direct links into other repositories. Instead of providing real-time access to another repository, they serve as convenient names that can be used to reference a not-so-convenient URL.
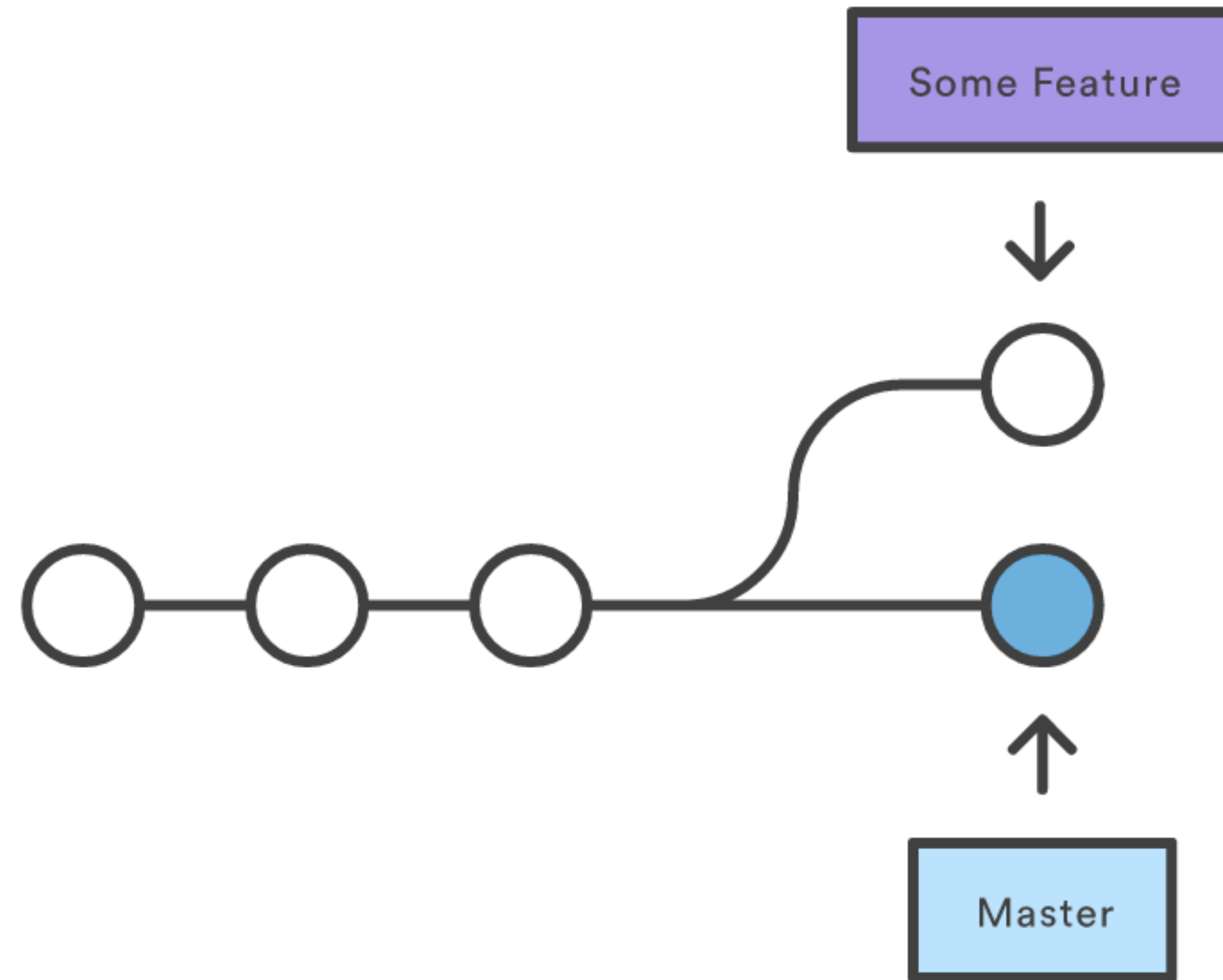
# Git Branching

Git branches enable people to modify code independently from the master branch without it impacting the master branch itself
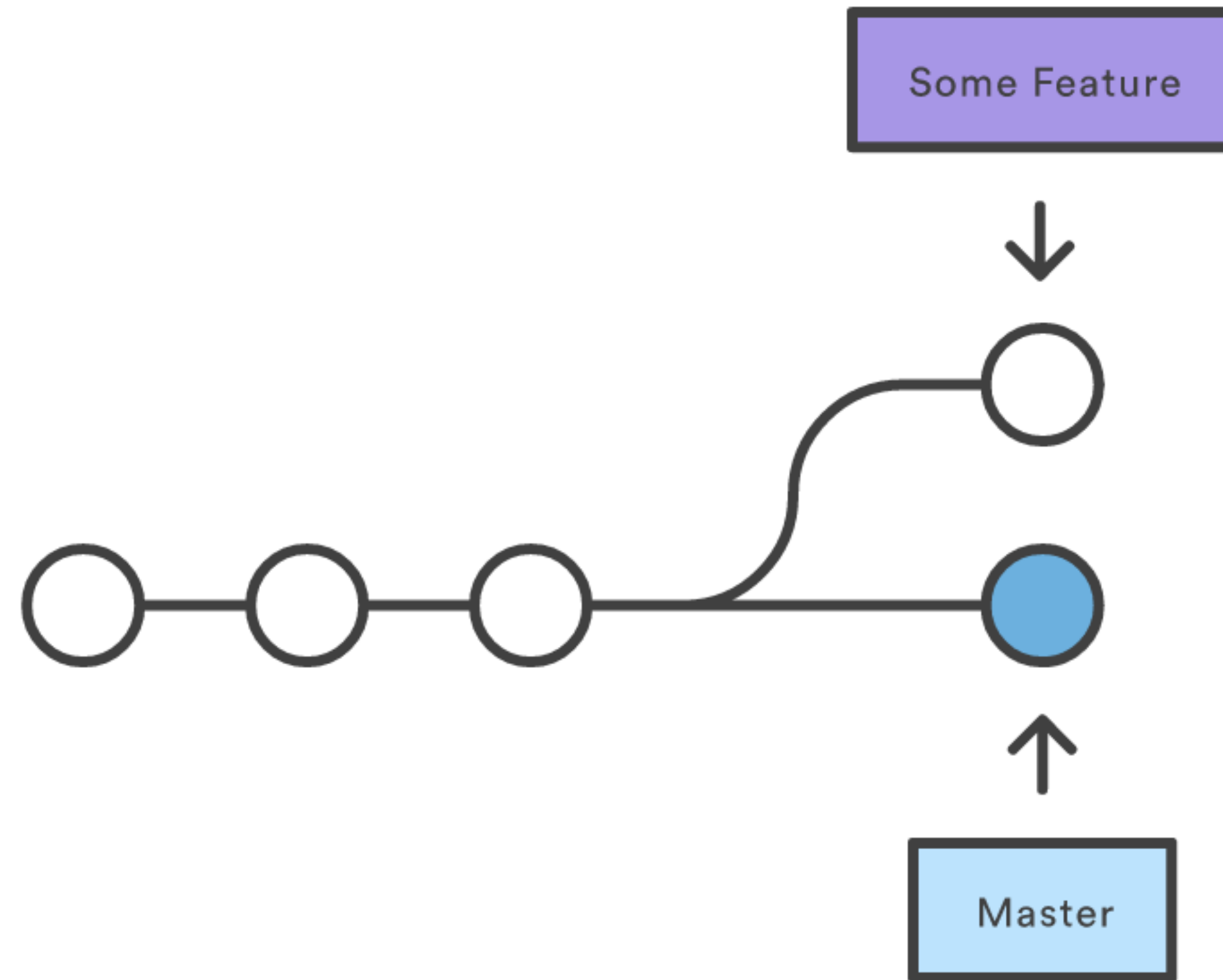
For example, you can code features on a features branch, and not have your in-progress features code impact your master production branch

This is especially useful when working on teams. Two people can modify the same file in separate branches and then have the ability to merge their changes without fearing things will get overwritten.
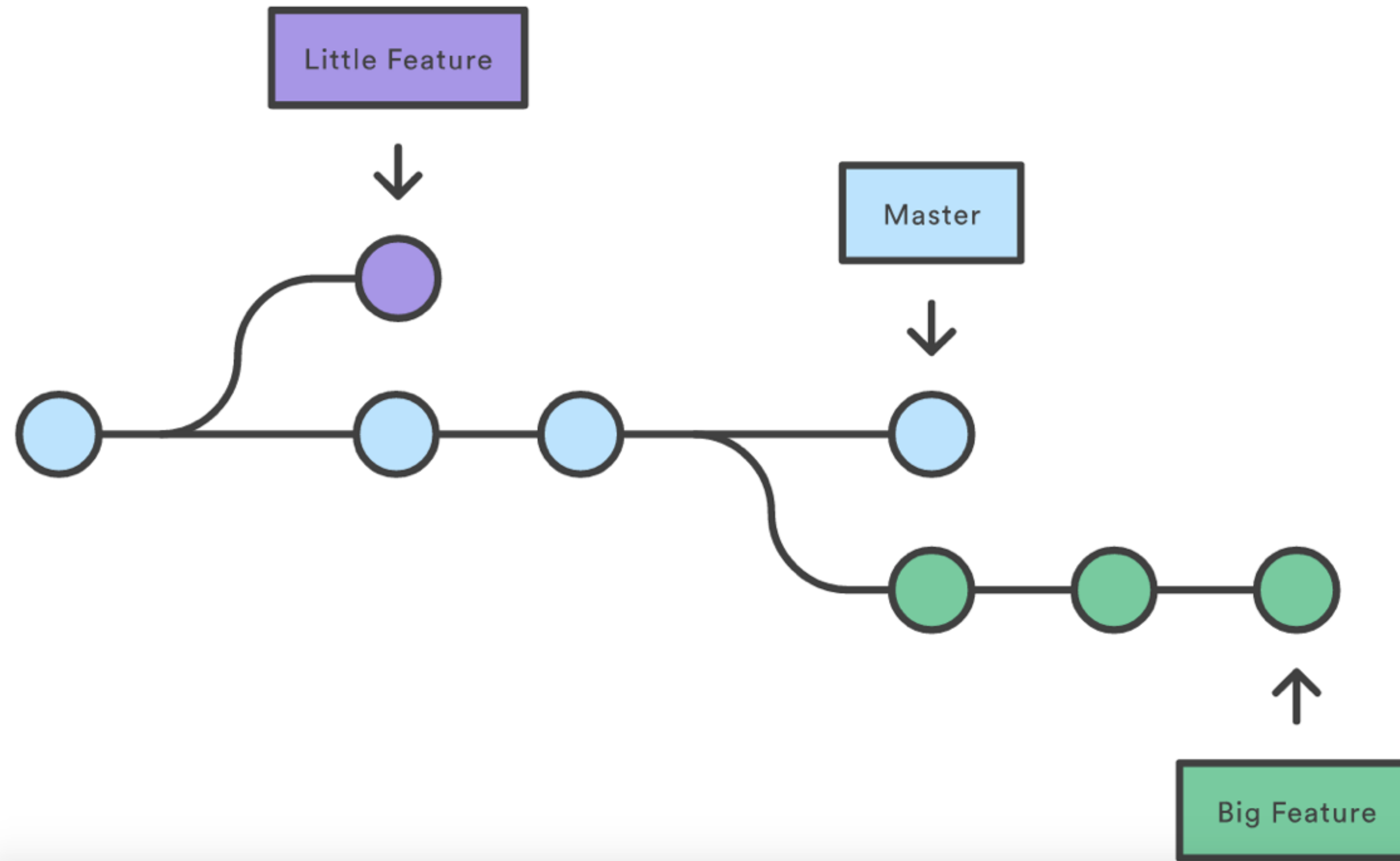
# Git Branching
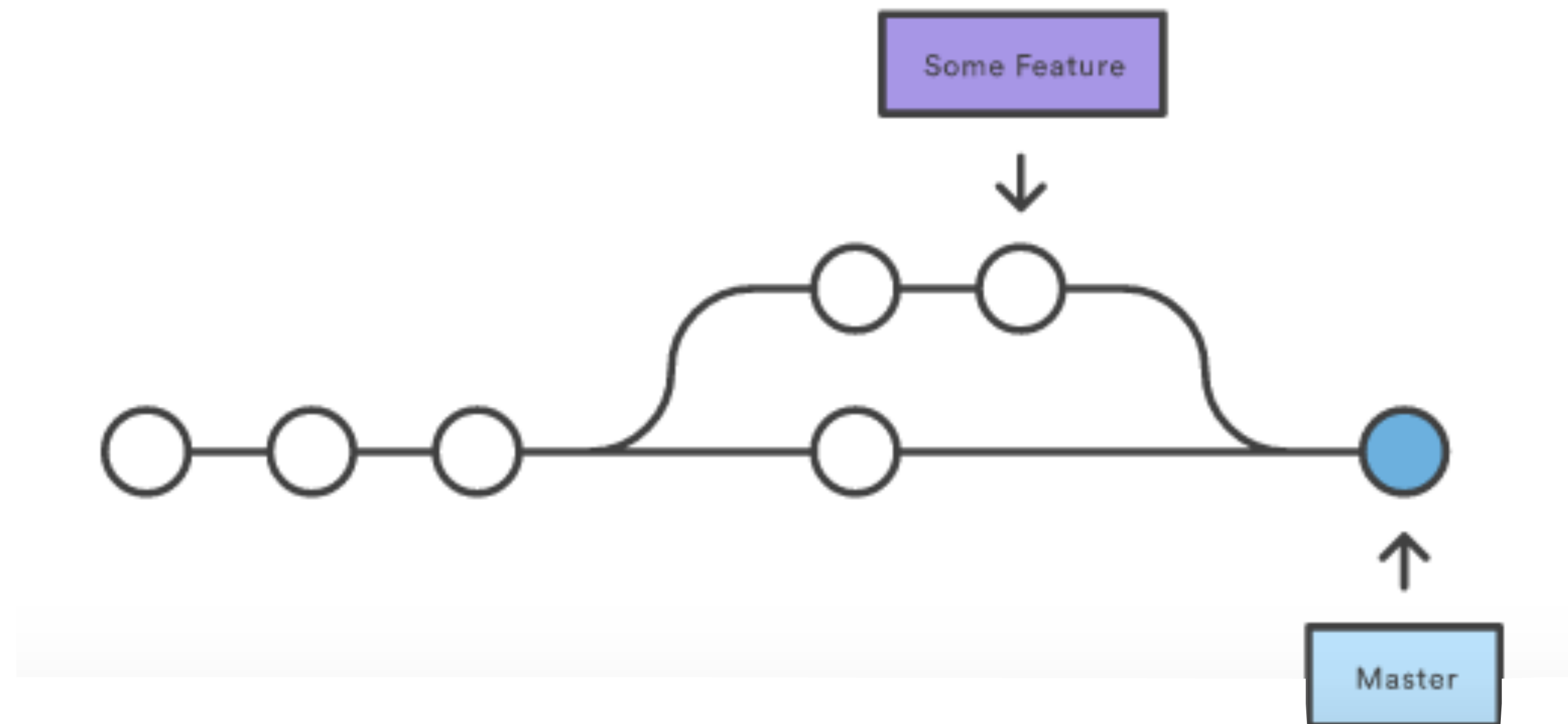
# Git Branching

# Git Branching

# Git Branch Merging

We have to get the changes or the new feature back into the codebase.

# Coding Tips



- Create a Real Programming Environment

- Make Programs From Scratch

- Start Small

- Write Lots of Code

- Ask for Help

- Ask for Help the Right Way

http://www.programmingforbeginnersbook.com/blog/when_you_know_the_basics_but_you_still_cant_code/