USF CPH - Week 1

Zero to prototype in 35 days

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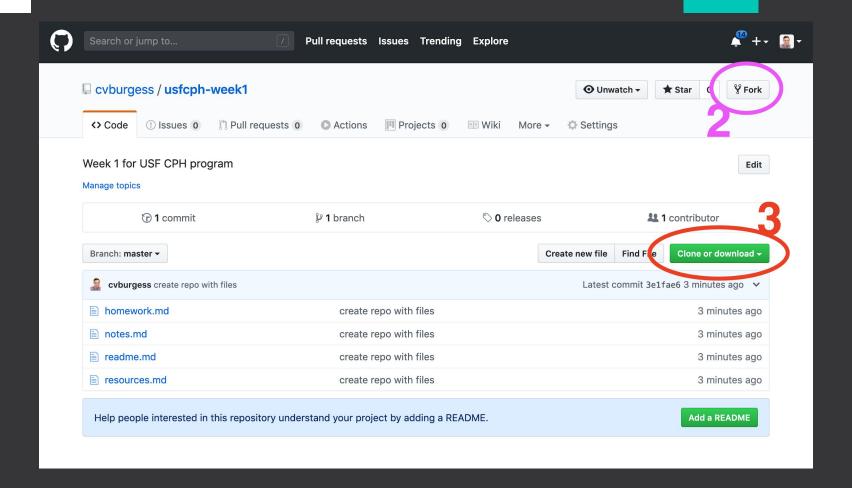
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Exercise

Getting set up with GitHub

Getting Set Up

1. Go to github.com / cvburgess / usfcph-week1

2. Fork the repository to your account

3. Clone the repository to your computer

4. Open with VSCode

How to Fork and Clone with the GitHub UI

Exercise

Taking notes like a dev

Taking notes

1. Use notes.md for taking notes

2. Hit SAVE (cmd+s) as often as you'd like

3. Switch to GitHub Desktop

4. Hit COMMIT when we hit title slides

5. Hit SYNC at the end of class

Version Control

Because SAVE AS just won't cut it

GIT Verbs

Common actions developers do often

FORK + CLONE

COMMIT

PUSH + PULL

BRANCH

MERGE + REBASE + SQUASH

Pull Request + Merge Request

Nouns, verbs... English is hard ok?

Exercise

This one is the physical kind

Ecosystem

The limits of a 5-week course

Developer

Front End

Back End

UI	Design	XPlatform	Front End
UX		iOS	
	Logic	Android	
		TV	
		Wearables	
		IOT	
		Web	
		Desktop	
		Specialty	

Back End

Security

Data

Logic

Databases

AI / ML

APIs

Developers work in teams

- QA people

    - Automated + Manual

- Business intelligence

    - BA + PO + PM + SME

- Operations

    - DX + DBA + SRE + CI / CD

That's a lot

So let's focus a bit, shall we?

This course will cover

1. GIT + Ecosystem + Getting Started

2. Front End fundamentals (HTML + CSS + JS)

3. Intro to programming logic

4. Back End fundamentals (Data, APIs)

   ○ We will rely on smart tools to knock most of this out

Homework

1. Review your notes

2. Improve them with markdown

3. Familiarize yourself with Git and VSCode

4. Look at the resources file if you need help

5. Diagram the flow of your potential creation

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