## GitHub Workshop w/ Wics



11/13/24

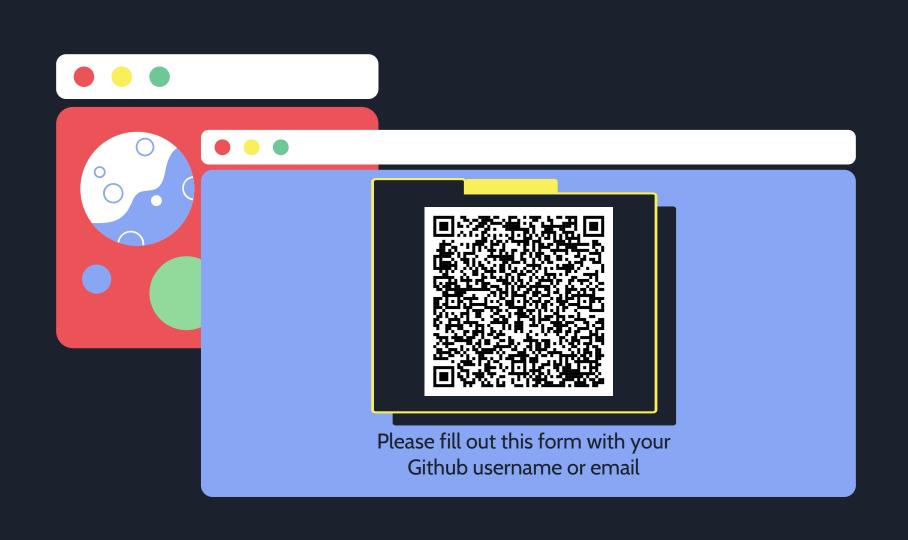
### **MyWPI**



#### **Attendance**



# First Make GitHub Accounts!







Thanksgiving!

11/25 w/ friends or family

WiCS Study Hours

12/11 **@** 5pm in IS205

**WiCS Exec Elections** 

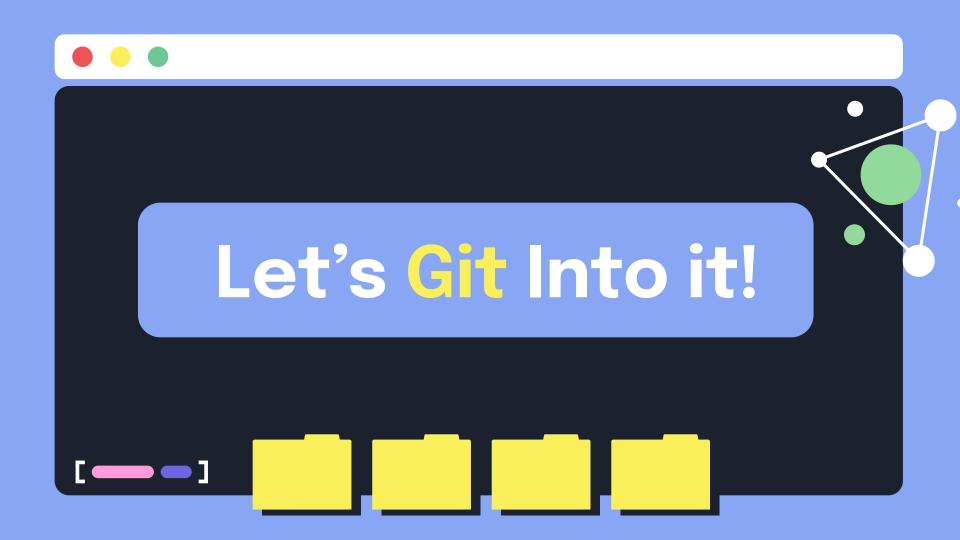
11/20 @ 5pm in IS205

WiCS Holiday Bash

12/04 @ 5pm in IS205

Winter Break!!!

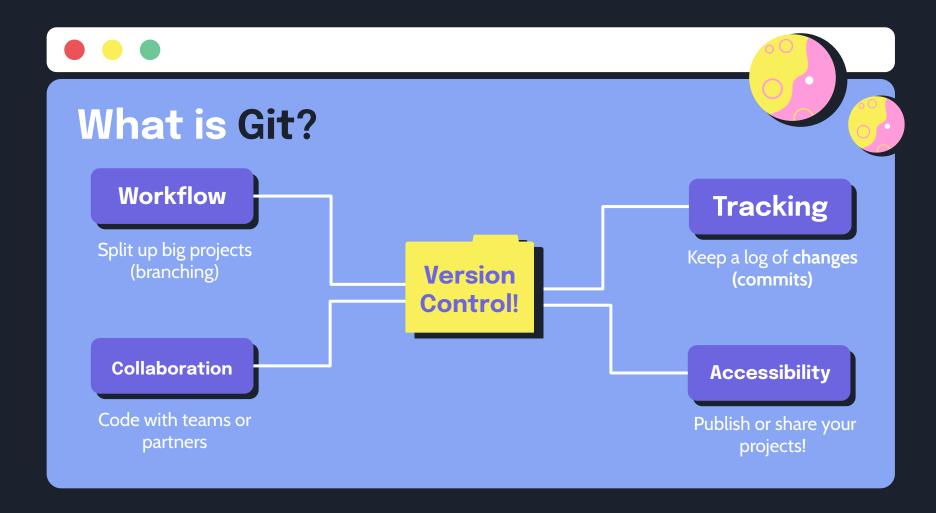
Go home and rest!





#### **GitHub**

a cloud-based Git repository hosting service



#### Setup!



**Command Prompt** 

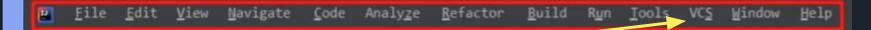


Through your IDE





#### **Setup in IntelliJ**



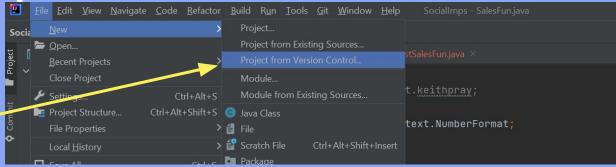
Click this and then click git



IDE



#### Setup in IntelliJ



Your main branch isn't protected

Your main branch isn't protected

Your main branch from force pushing or deletion, or require status checks before merging. View documentation.

Minimal Pasanches ↑ Tags

Q Go to file

KimAllise32 Create name.txt

README.

Codespaces

Local

Codespaces

HTTPS SSH GitHub.Cu

https://github.com/kimAllise32/bitCsGit.git

Protect this branch ×

Code 

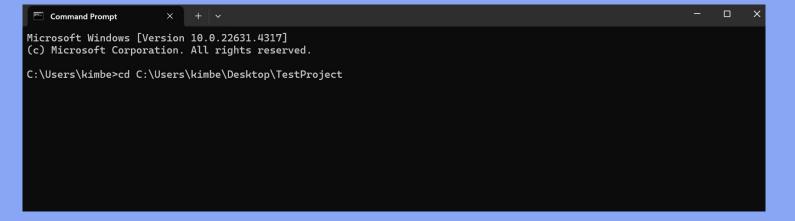
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**GitHub** 





#### **Setup in Command Line**

First, you'll need to tell git about yourself. Get your username and token together from your <u>settings page</u>.

Then run:

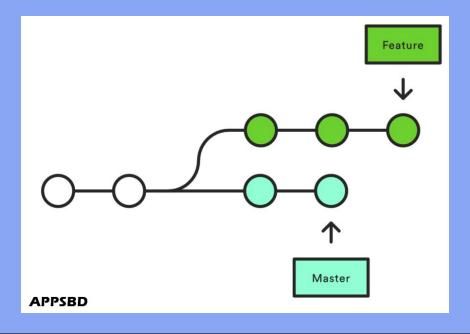
```
git config --global github.user YOUR_USERNAME git config --global github.token YOURTOKEN
```

You will need to generate a new key if you don't have a back-up of your key.

Then you should be able to run:

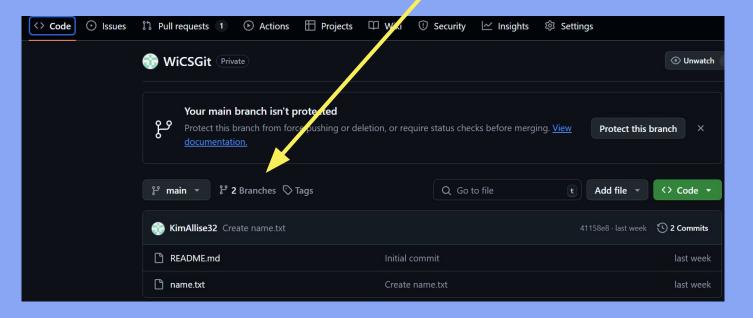
```
git clone git@github.com:YOUR_USERNAME/YOUR_PROJECT.git
```









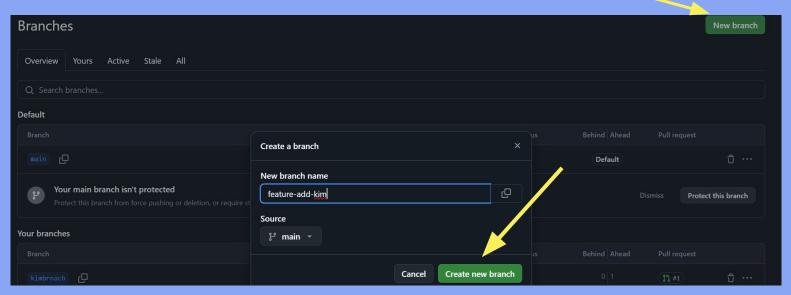






#### What is Branching

Descriptive names for branches!

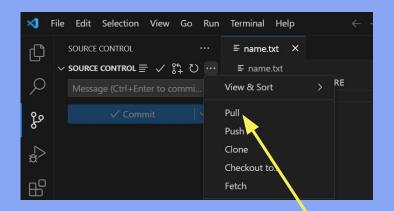


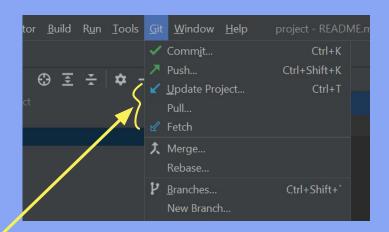




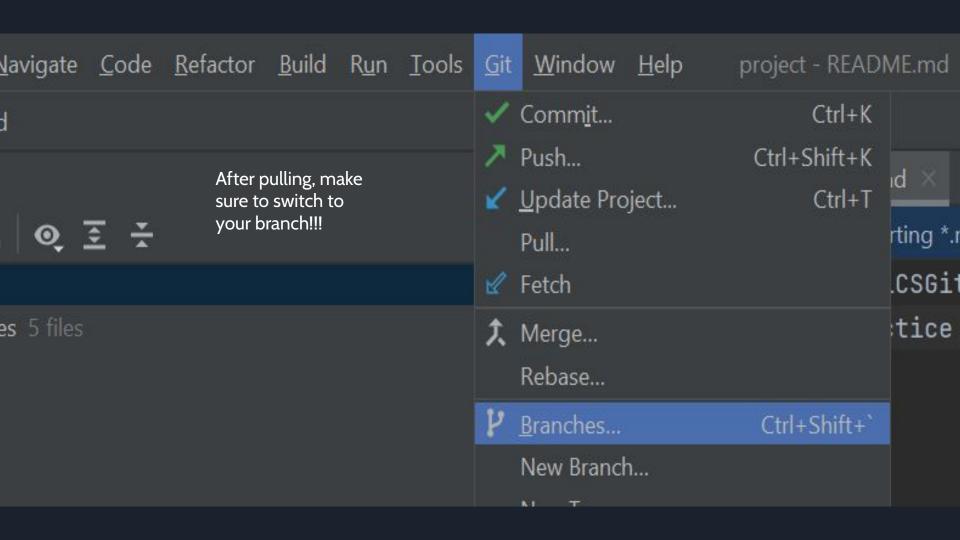


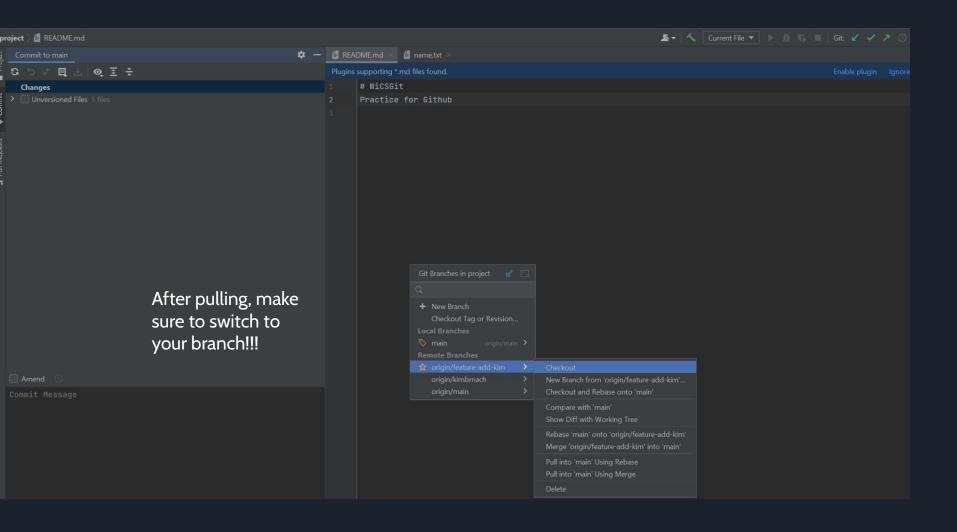






Different IDEs will have slightly different locations for git commands







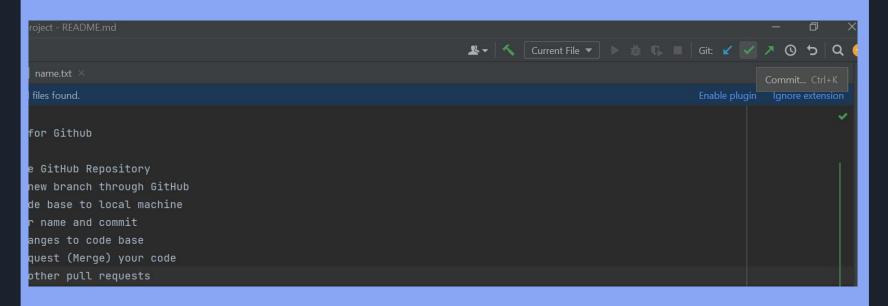
Commit after making changes to you branch!











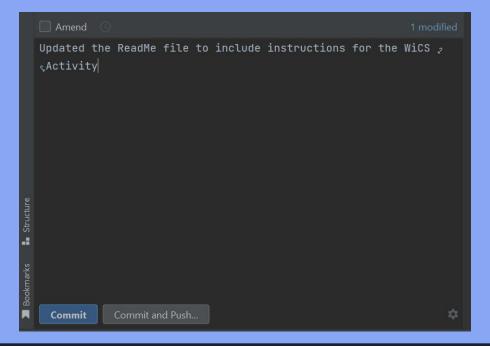


The files you changed. Make sure to check that the correct files were changed!!!

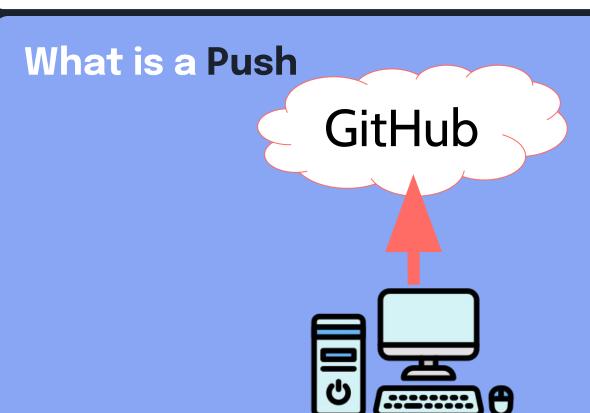
The commit message box. Make sure to use descriptive language for every commit.









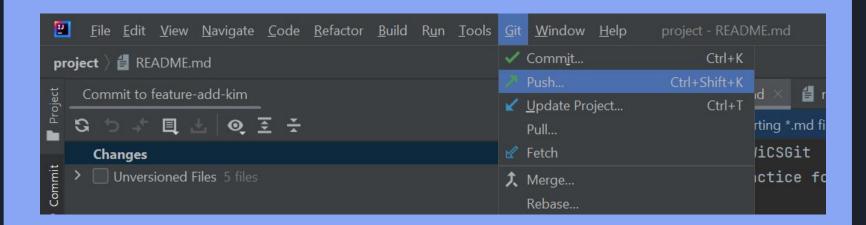








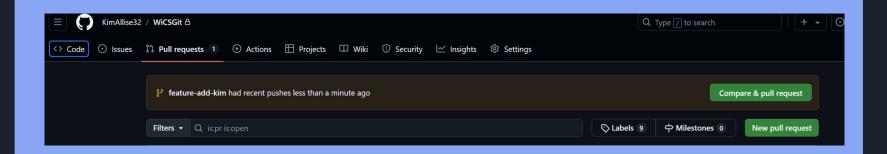
#### What is a Push



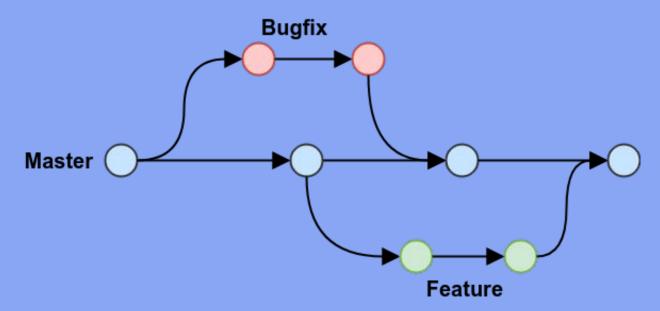




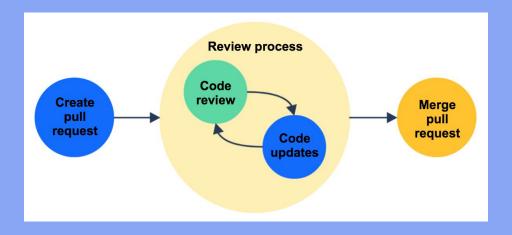
#### What is a Push



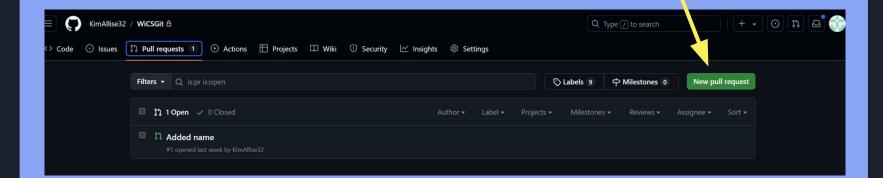




#### **What are Pull Requests**











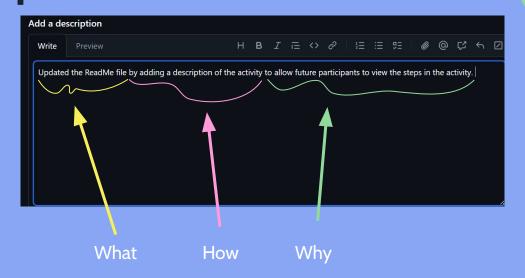
#### **What are Pull Requests**

Make sure you are merging Open a pull request changes into the correct compare: feature-add-kim 

Able to merge. These branches can be automatically merged. branch Add a title Updated the ReadMe file to include instructions for the WiCS Activity No reviews Add a description No one-assign yo Add a good Add your description here... None yet description here None yet too! Milestone No milestone Development Paste, drop, or click to add files Markdown is supported automatically close Create pull request



- $\rightarrow$  What?
- $\rightarrow$  Why?
- $\rightarrow$  How?
- $\rightarrow$  Testing?
- $\rightarrow$  Screenshots (optional)
- → Additional Info (optional)

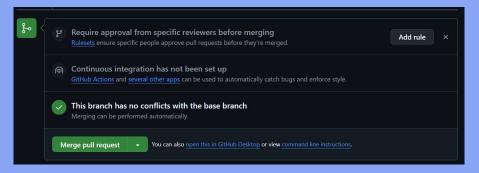




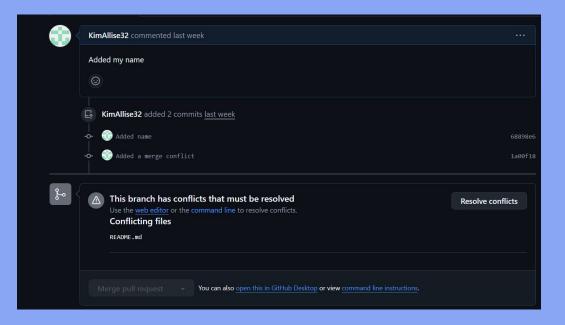


#### **Reviewing PRs**

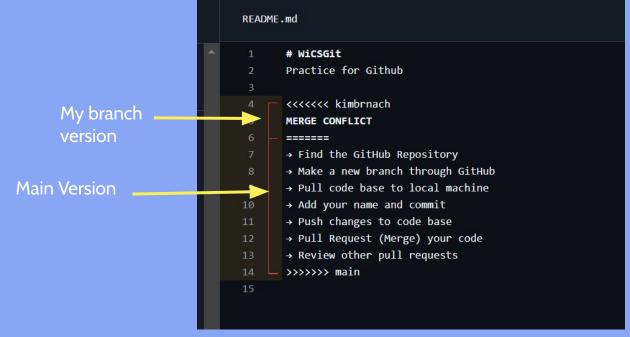
I would recommend on big projects downloading the branch and making sure it works before allowing the PR through



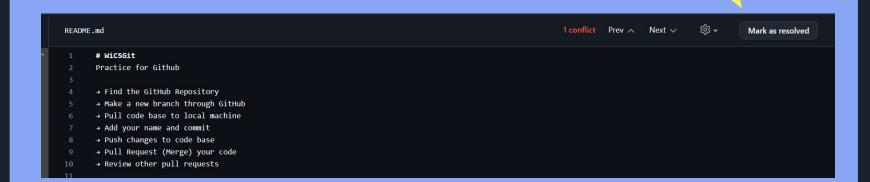








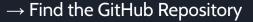






bit.ly/wicsgit





- → Make a new **branch** through GitHub
- → Pull code base to local machine
- $\rightarrow$  Checkout your branch
- → Add your name and **commit**
- → **Push** changes to code base
- → Pull Request (Merge) your code
- → Review other pull requests

Watch out for merge conflicts!!!

#### Resources

- WiCS Git Cheat Sheet
- https://ohshitgit.com/
- Atlassian Git Cheat Sheet
- https://learngitbranching.js.org/
- <a href="https://blog.codeanalogies.com/2019/05/26/prs-explained/">https://blog.codeanalogies.com/2019/05/26/prs-explained/</a>
- <a href="https://git-school.github.io/visualizing-git/">https://git-school.github.io/visualizing-git/</a>

