Lab #1 – Hello World (of Web Development)

Albert Kochaphum

Week 1 | March 30th , 2021

Today's Agenda

1.1. What is programming
1.2. Hello World of Web Development
1.3. Group Project Time

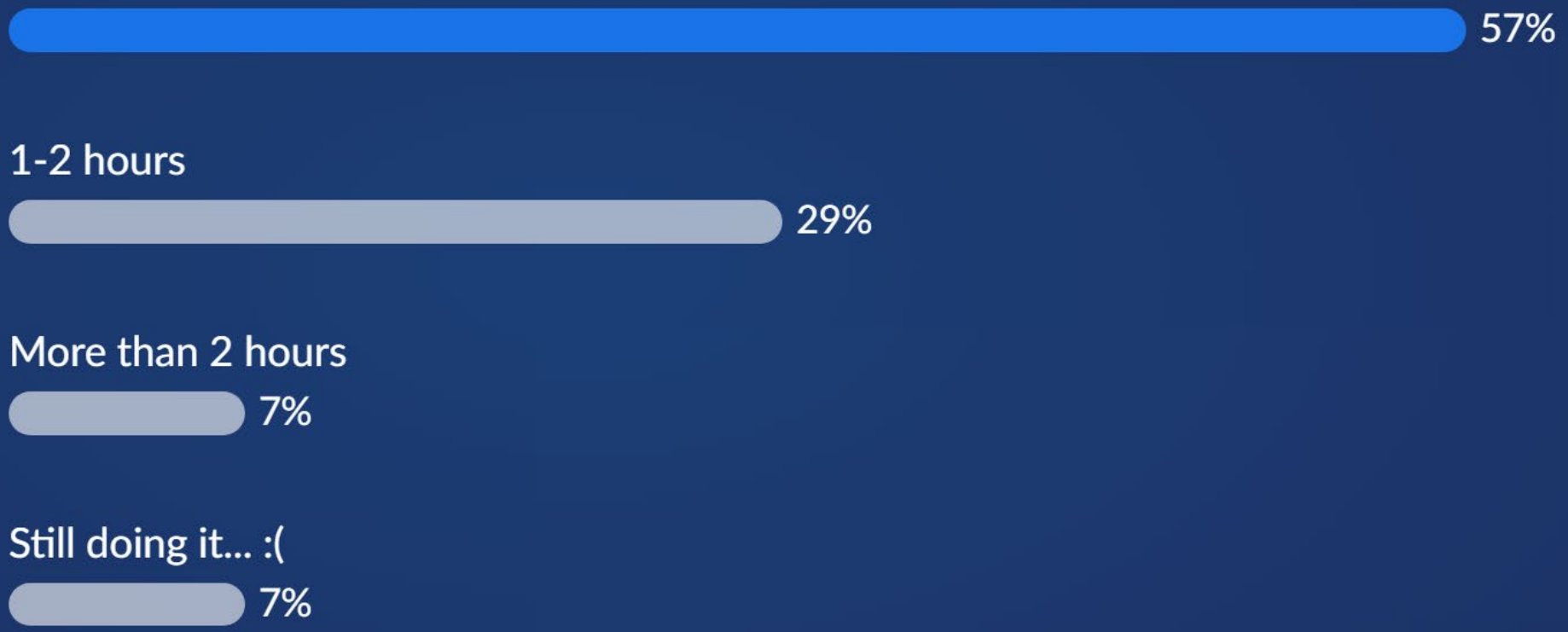
~2:15p **3:00p**

Active poll

14

Join at
slido.com
#ucla

How long did the pre-lab take?



Active poll

12

Join at

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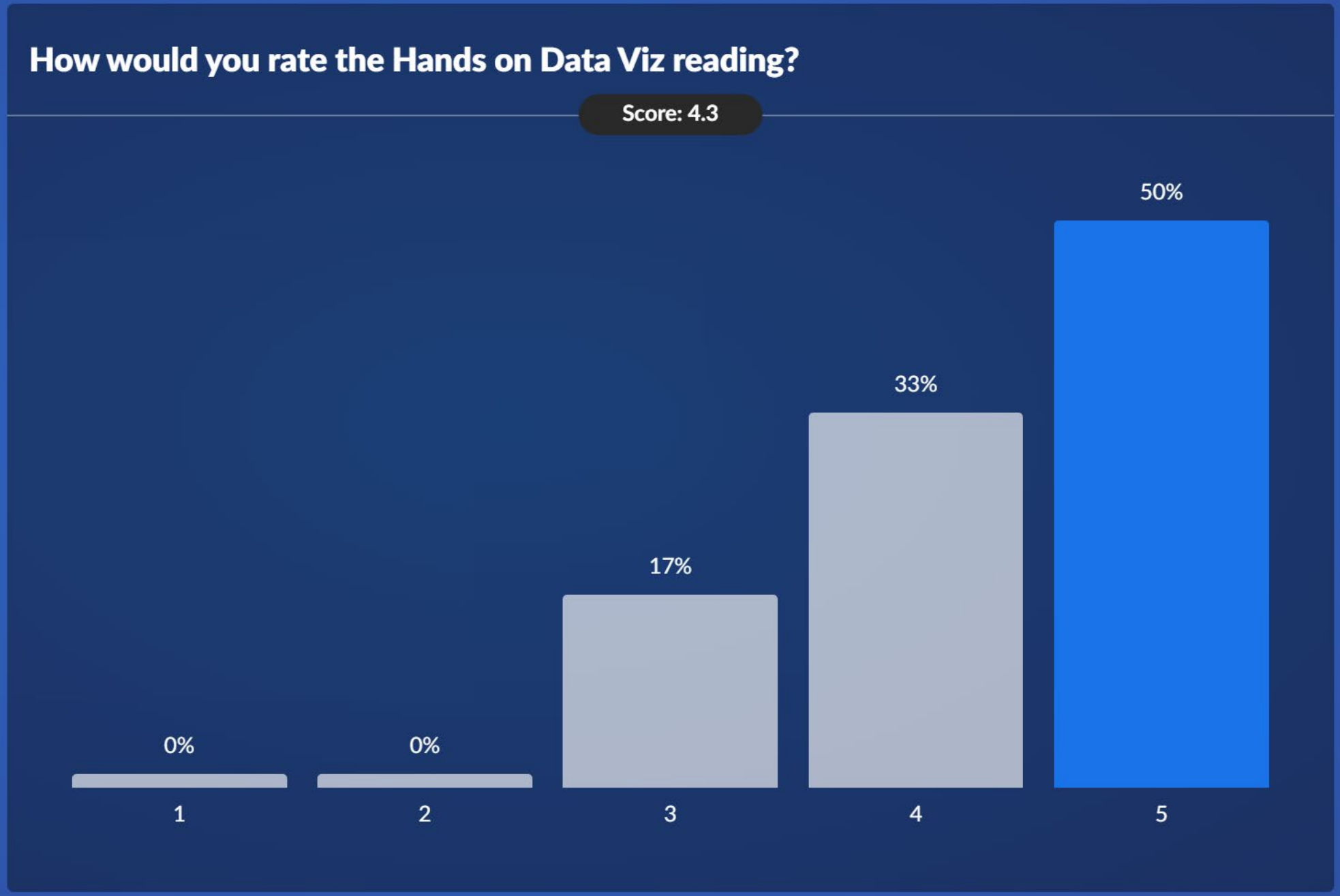
#ucla



Active poll

13

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#ucla

How are you feeling for the lab?

What is programming?

Programming is a collection of instructions

1.1. What is programming?

"How do you get to UCLA?"

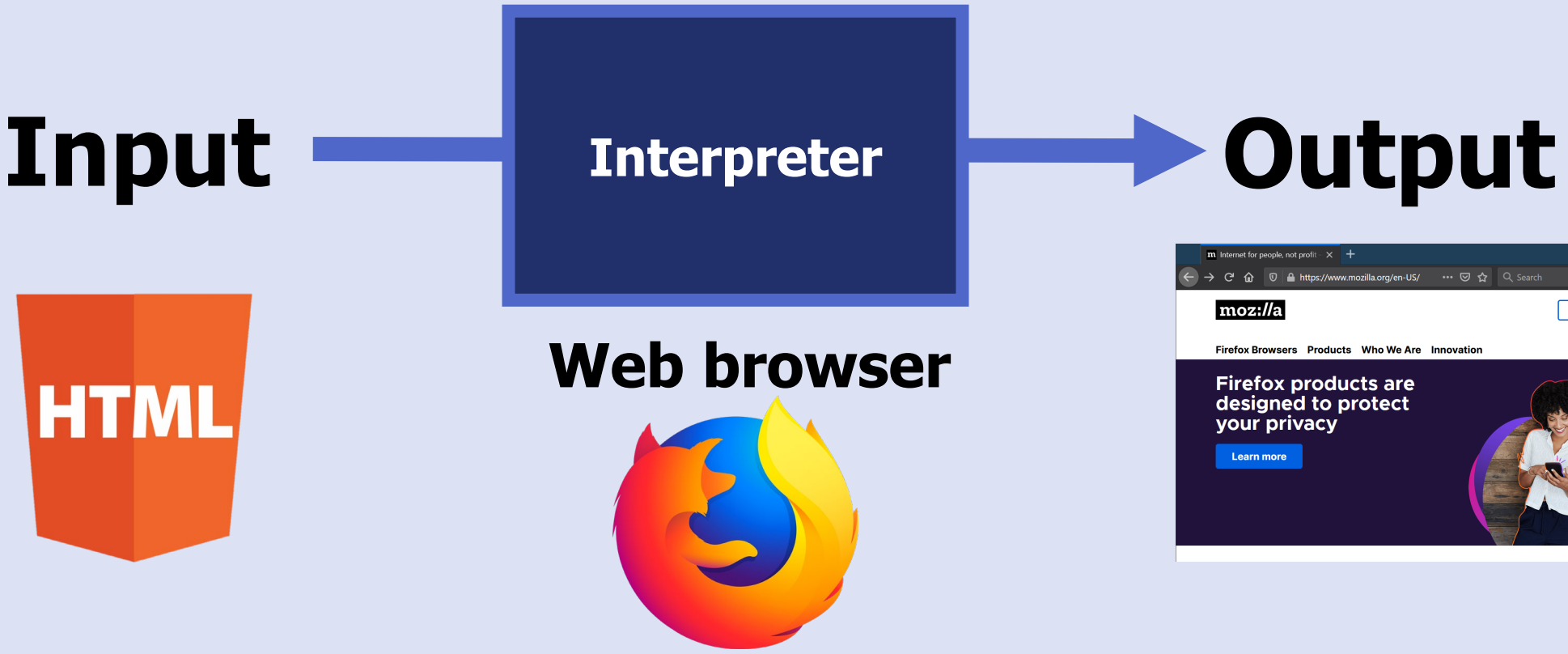
- "Leave SF heading north?"
- "Leave SF going south?"
- "Take the BART to Oakland?
- "Fly to LAX?"

- Take Muni to Bart
- Take BART to Amtrak
- Amtrak to Westwood
- Arrive at UCLA

https://tinyurl.com/6eptxby2

1.1. What is programming?

1.1. What is programming?

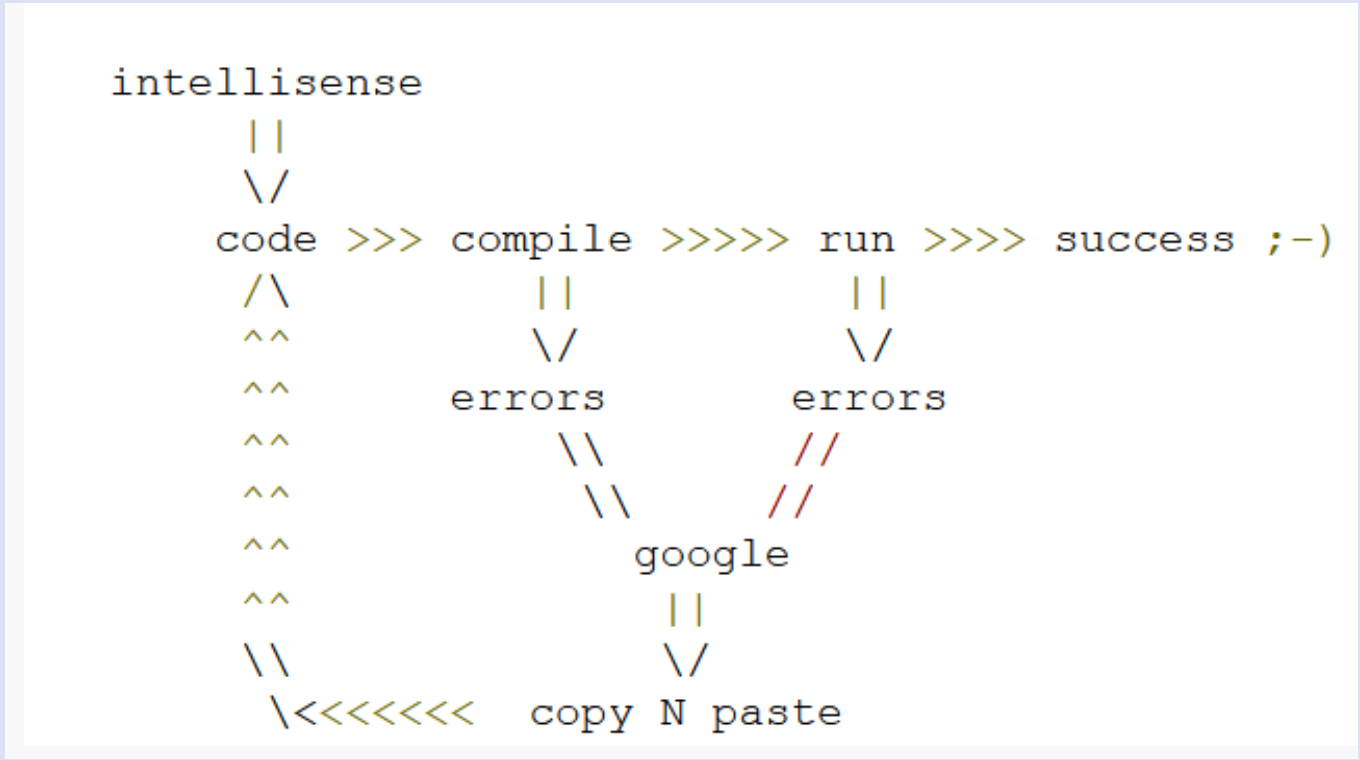


How to be a programmer

Step 1. Get a programming keyboard

How to be a programmer

Step 2. Run this loop:

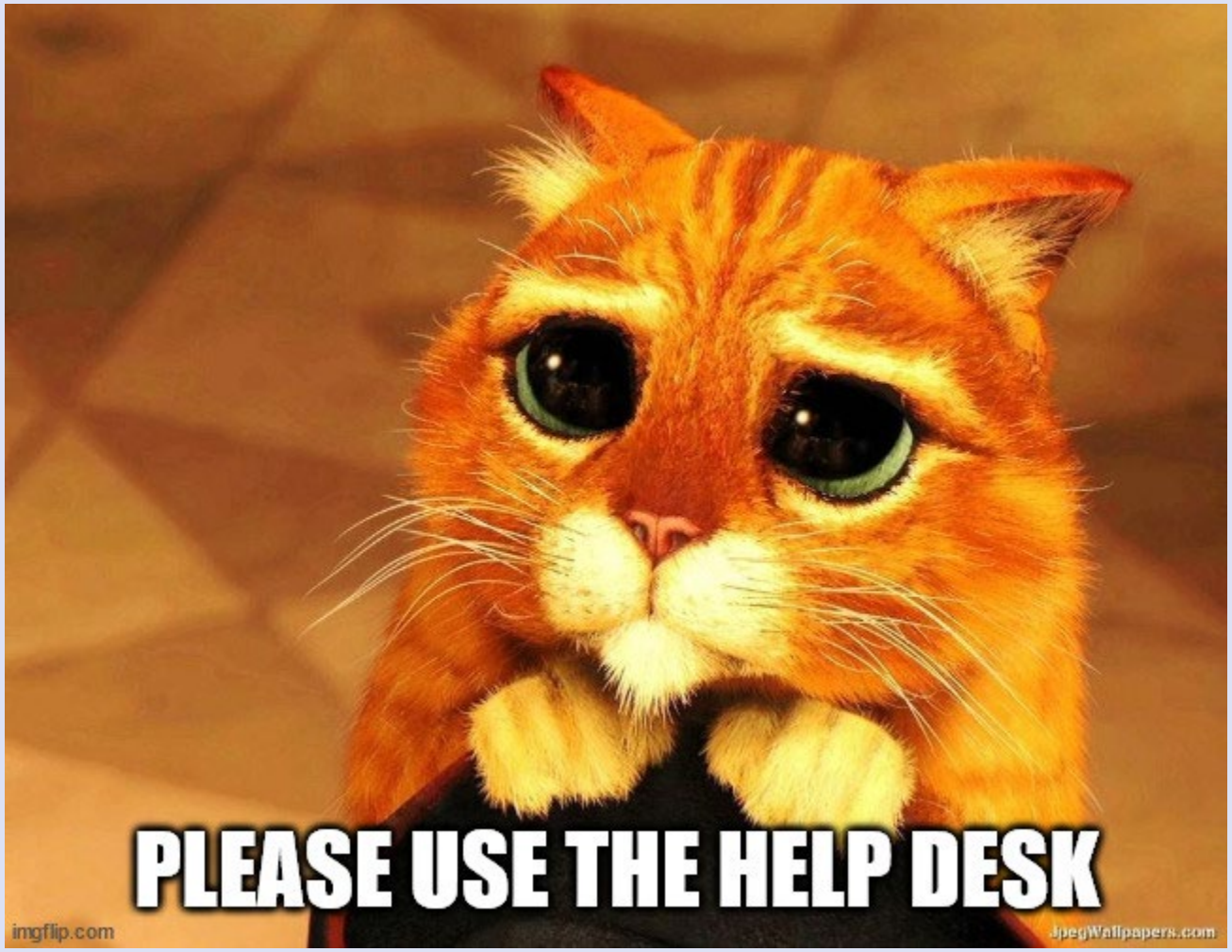


https://secretgeek.net/howtobeaprogrammer

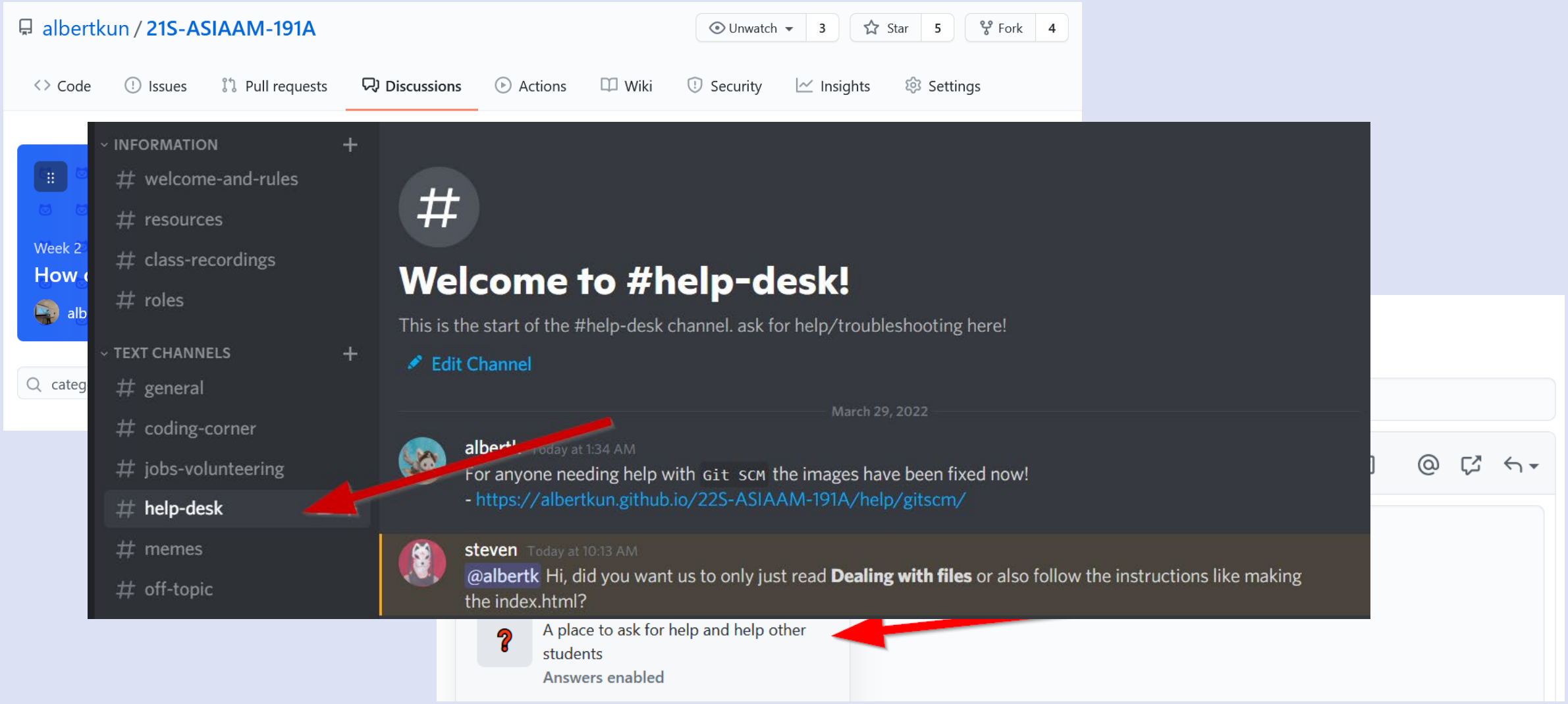
How to be a programmer

It’s like learning a new language, conversing with others helps everyone get better at it.

On that note…



On that note...


albertkun / 21S-ASIAAM-191A
Unwatch 3
Star 5
Fork 4
Code
Issues
Pull requests
Discussions
Actions
Wiki
Security
Insights
Settings
INFORMATION
welcome-and-rules
resources
class-recordings
roles
TEXT CHANNELS
general
coding-corner
jobs-volunteering
help-desk
memes
off-topic
Welcome to #help-desk!
This is the start of the #help-desk channel. ask for help/troubleshooting here!
Edit Channel
March 29, 2022
Today at 1:34 AM
For anyone needing help with Git SCM the images have been fixed now!
- https://albertkun.github.io/22S-ASIAAM-191A/help/gitscm/
steven Today at 10:13 AM
@albertk Hi, did you want us to only just read Dealing with files or also follow the instructions like making the index.html?
A place to ask for help and help other students
Answers enabled

User Stories

“Why am I programming?”

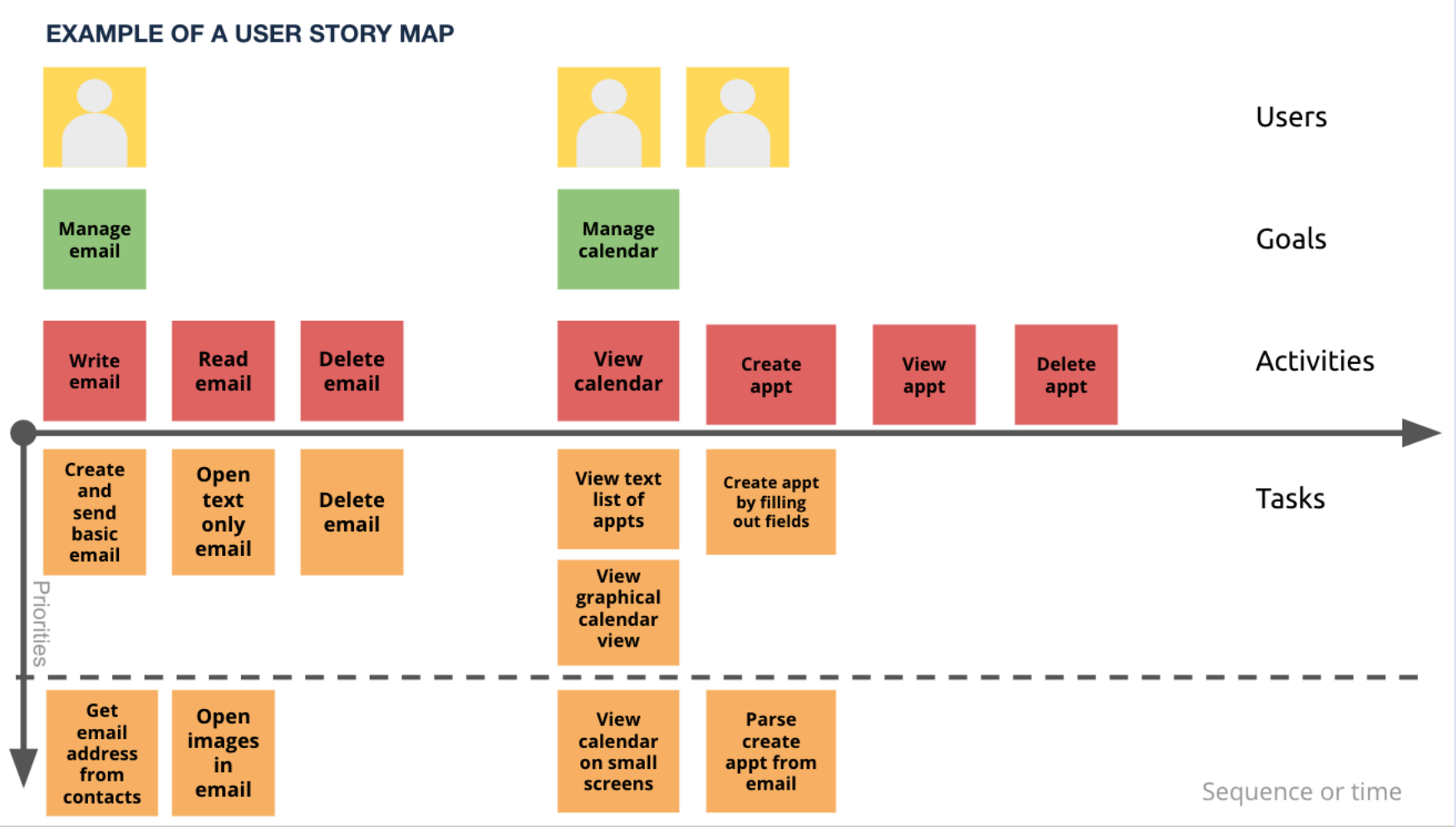
I need to complete this task for my job?

I want to make a website to show my skills?

I need this map for volunteers, how do I give them access?

“Who are you programming for?”

User Stories



User Stories

As a

[Persona], I want

[Action] so that
[Purpose]

Who are we building this for?

What goal would this person be trying to do?

What's the overall benefit to this person?

User Story Examples

persona + need + purpose

As an elderly Asian living in San Francisco, I want to see where I can get escorted when I walk home from grocery shopping, so I feel safe.

As a houseless person in Los Angeles, I want to share my stories about how destructive sidewalk sweeps have been for me, so LAPD can stop.

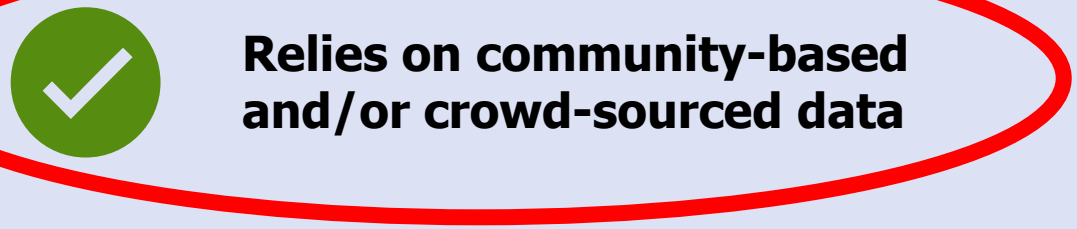
https://www.atlassian.com/agile/project-management/user-stories

Main take-away:

Since coding is a set of instructions, if you forget where you are going, try remembering your ultimate goals are.

Final Group Projects Review

Final Group Project Reminder:



Relies on community-based and/or crowd-sourced data

Designed for a social good and/or political campaign

Realigns power back to communities being harmed

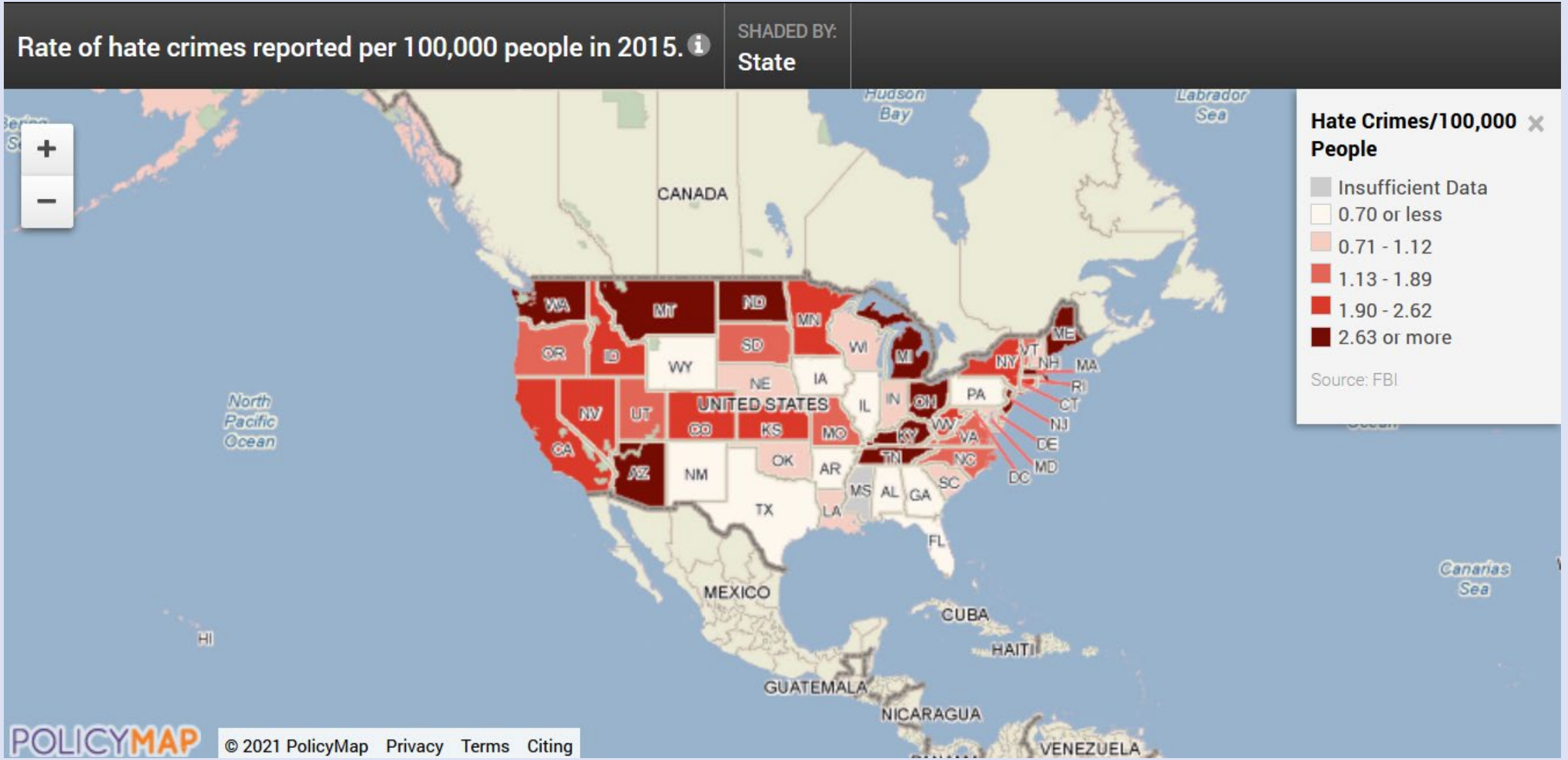
Only uses government or private data sources

Designed for-profit or for self-profit

Reinforces corporate, academic, or governmental institutions

Focus on the people, not the data

Example: a tale of two hate crime maps



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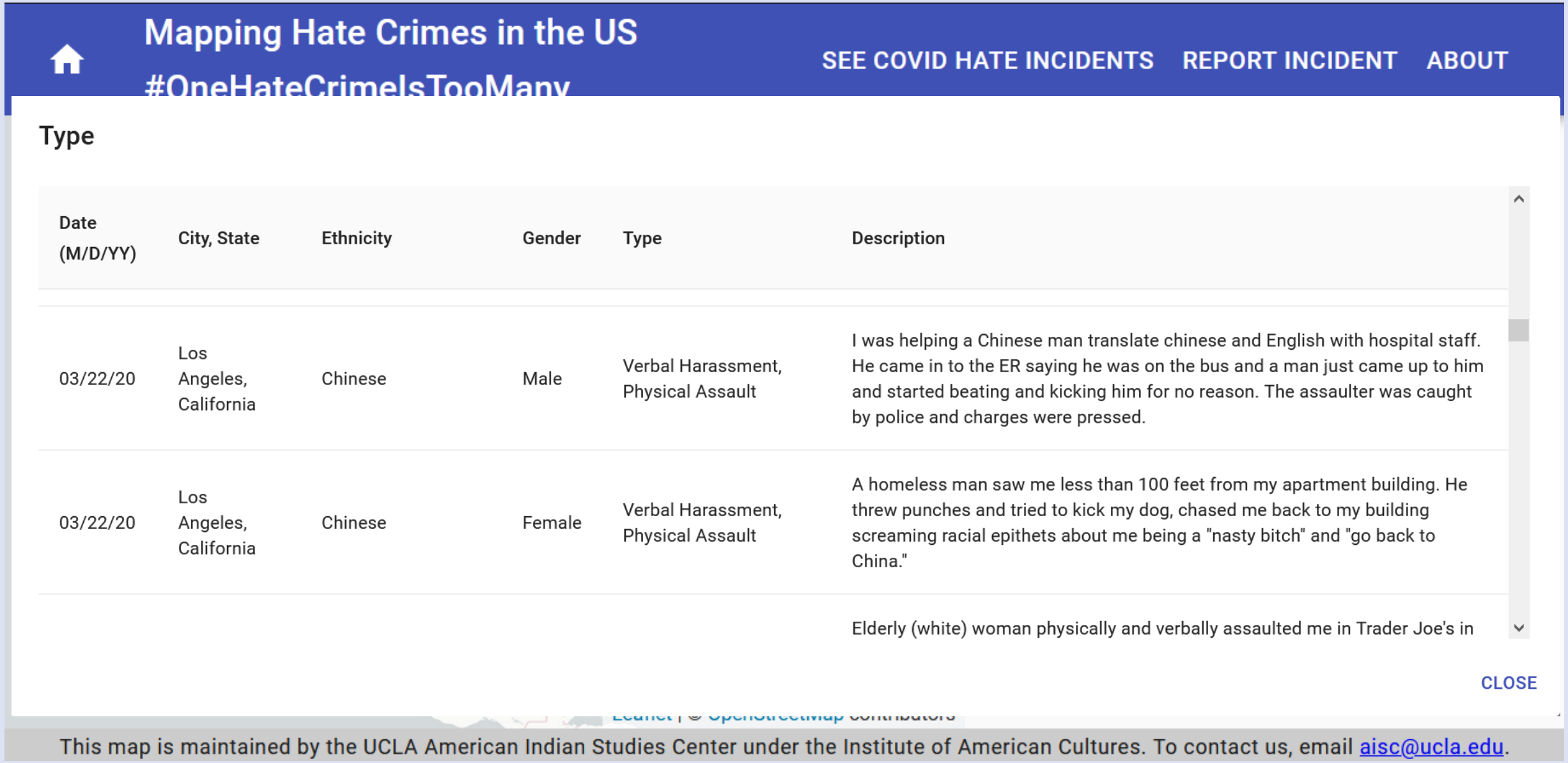


https://www.hatecrimemap.com/

Putting Community First

- **What story is missing from your issue?**
- **How would you represent that?**
- **What is the user story?**

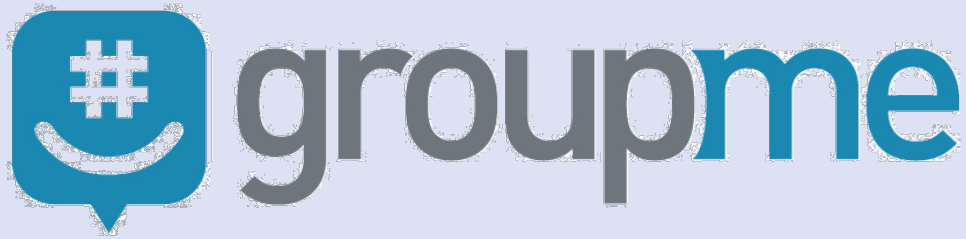
Group Project Code of Conduct

Group Code of Conduct

- **Respect**
- **Be aware of your privilege**
- **Listen**
- **Criticize the action, not the person**
- **Step Up, Step Back**

https://sfberniecrats.com/community-guidelines/

There is no me in group

And  is no exception!

Group Code of Conduct

We are trying to empower community voices, but we must empower each other too.

Please email or see me for any help:

https://calendly.com/albertkun/office-hours

Coding Lab: Hello World!

Bye QGIS World! Hello Leaflet World!

https://leafletjs.com/

Assignments

Due Monday 4/4:

1. "Thinking Cap"
2. Read "Introduction to Critical Cartography"

Due Wednesday 4/6:

3. Lab assignment #1
4. Group Assignment #1
5. Pre-lab #2

Note: Unless specified otherwise, all assignments are due at the beginning of classes. Late assignments will be given half credit up to a week.

Group Assignment #1

Group Spreadsheet

	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Group 10
Tenative Topic	AAPI Discrimination	Education Equity	Sustainability/Environment	Environmental Justice/	Education Policy	Health Care	LGBTQ+	Migration	Housing/Homeles	Tax Redistribution
Member 1	Lindsey Mardona	Ivy Tang	Melody Lee	Kristen Fu	Xiong Her	Antony Lin	Shubham Gupta	Daiki Saito	Jamie Tucher	Jenny Lu
Member 2	Diana Tran	Nishaanth Krishnan	Alexis Hatalski	Emma Hanson	Willa Kurland	Kaitlyn Li	Ashley Lu	Siew Fen Eow	Keri Chen	Ananya Kodali
Member 3	Steven Tran				Ngoc Tran		Haven Jovel			

https://docs.google.com/spreadsheets/d/1amjsdypbGuijuiQtI44UNupEzJET94IFLNp0FVMT01w/edit?usp=sharing

1. Have one person **create a new repo** for the group and invite everyone as collaborators.

2. **Add a `readme.md`** to the repository that briefly describes the following in 1-2 sentences:
   - What social problem is being addressed?
   - Who is being empowered by your mapplication?
   - What technical and ethical problems could there be in developing this tool?

3. **Post your group members and repository on the discussion board!**

Group Time for Assignment #1