



# Final Finishing Touches

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## Beyond Web Development for Social Change

Logistics

Lab

Join at  
[slido.com](https://slido.com)  
#ucla

Albert Kochaphum  
Lab 6 | July 29<sup>th</sup>, 2024



**Week 6! Are you SIX of my puns yet?! Well, it's the final week! How are you feeling?**

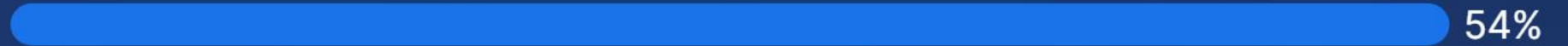
Join at  
**slido.com**  
**#ucla**





## Should I skip last weeks lab?

Doesn't matter either way



Yes, we can just look over the code ourselves



Nooooo, we need all the help we can get!



Join at  
**slido.com**  
**#ucla**



## When would you like more office hours?

Evening Tuesday



Afternoon Tuesday



After class today



Afternoon Wednesday



Join at  
**slido.com**  
**#ucla**

# Logistics

- **Wednesday 7/31**
  - **Last Lecture**
    - The lecture will **Not be recorded**
  - **Final Thinking Cap due**
  - **Final Project due**
- **We will do course evals today! (Due tomorrow...)**
- **Turn in any late assignments before August 2.**
  - **Email me if you need an accommodation**

# Final Timing

Time	
5:00	Group A
5:20	Group B
5:40	Group C
6:00	Group D
6:20	Break
6:30	Group E
6:50	Group F
7:10	Group G

Ideally: Will be 20 minute presentations after the final lecture!

# Final Project **Surprise #1**



**And previous students!**

# Remember...



**Get help early and often!**



**Why?**

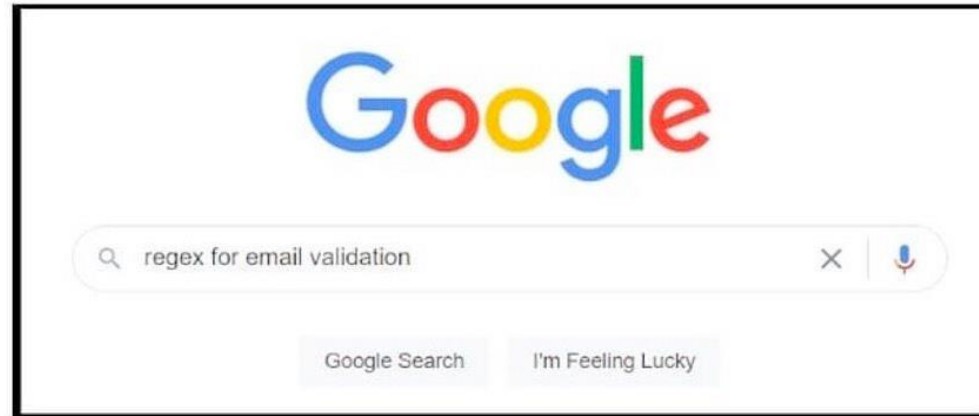
# We covered a lot of content



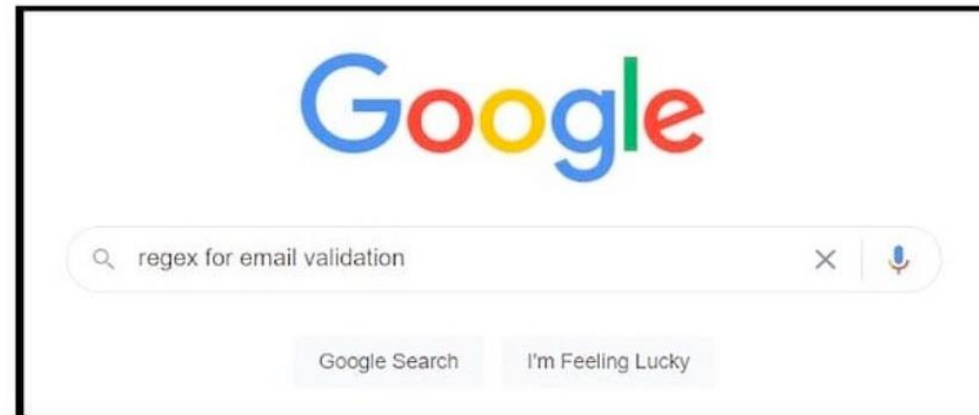
**There's no need to struggle implementing it all by yourself!**

# What is important is why you are coding!

DAY1 OF PROGRAMMING



10 YEARS OF PROGRAMMING



The technical “what” of coding will always be there to look up!

**Reminder: Main coding take away...**

**Programming is not a solo endeavor.**

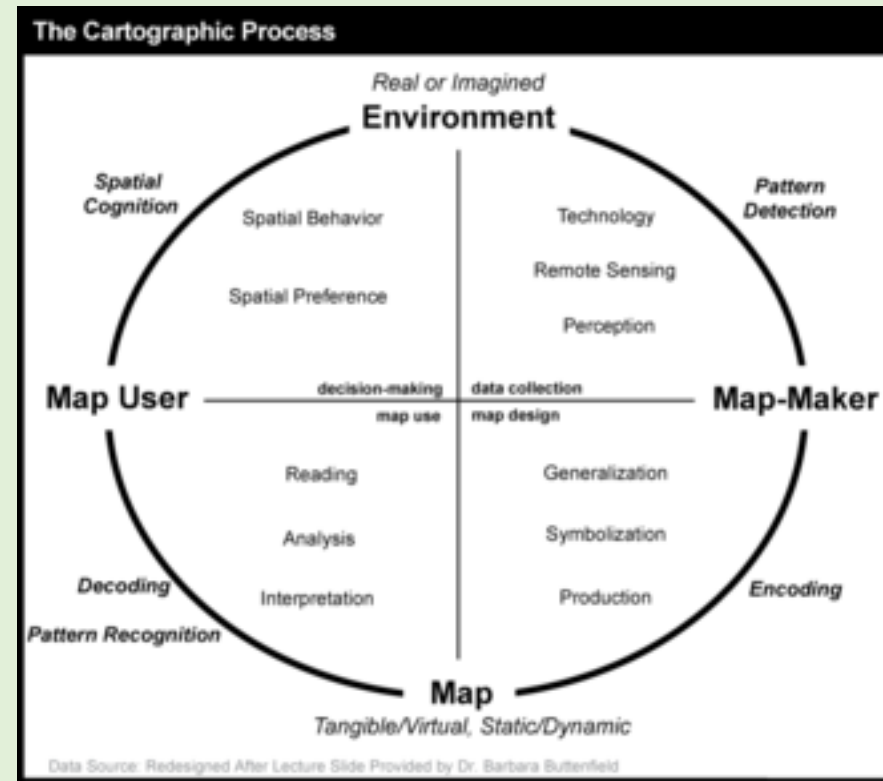
**Coding gets easier with more people because programming ultimately is about communicating!**

# Design Justice in your mapplications

**What is the purpose of the map?**

**Who is the audience?**

**Is a map the best solution?**



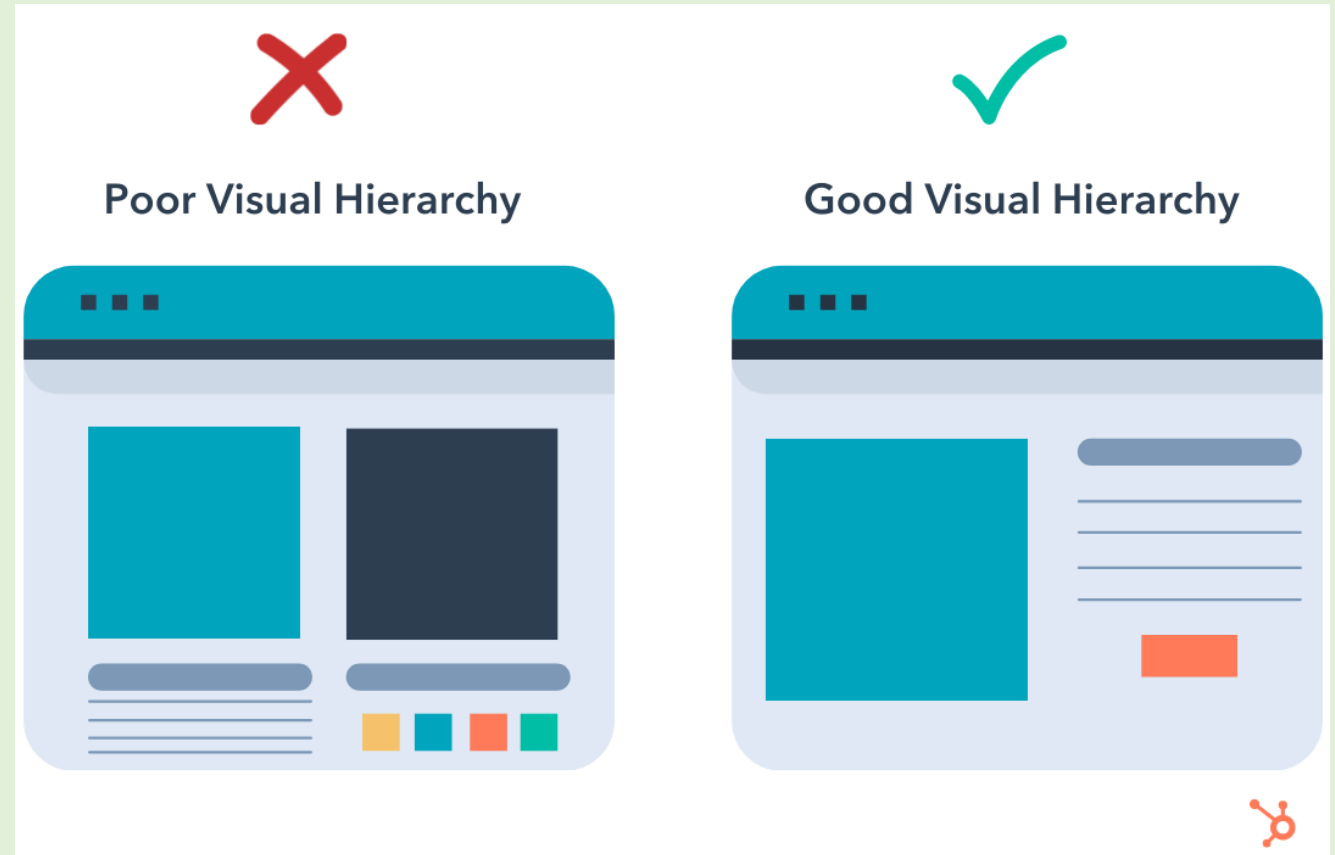
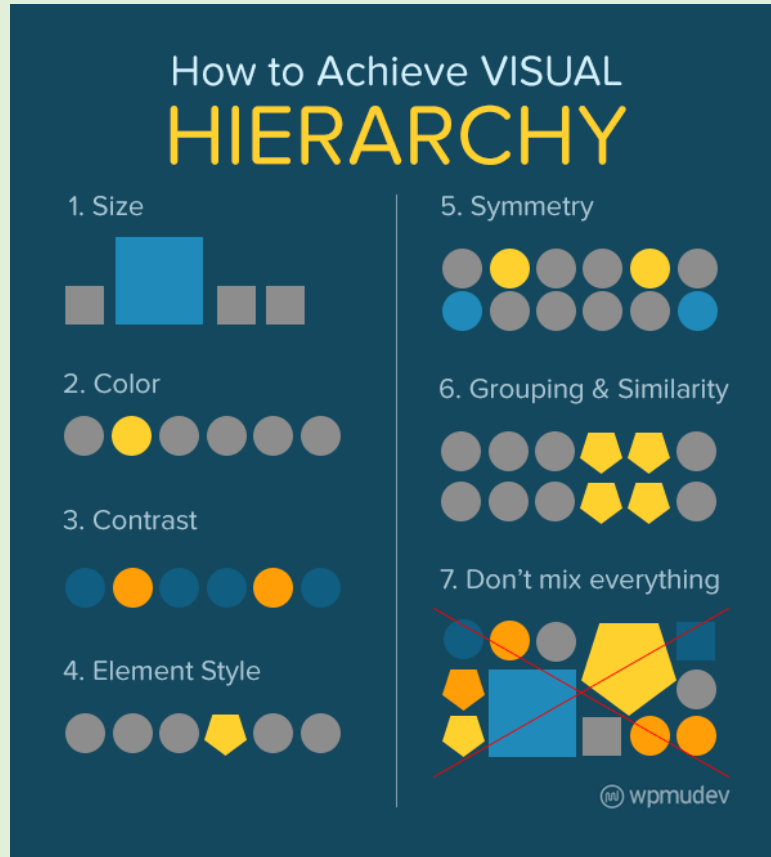
**Thought exercise: Give your site to your parents, what do you think is their main takeaway?**

# The 5 Cartographic Principles

1. **Concept before compilation**
2. **Hierarchy with harmony.**
3. **Simplicity from sacrifice.**
4. **Maximum information at minimum cost.**
5. **Engage the emotion to engage the understanding.**

**“Mapmakers, indeed, have the ability to use (or misuse) cartographic principles to represent (or misrepresent) the spatial data...”**


# Visual Hierarchy



**Put your survey respondent's stories at the forefront.**

# Visual Hierarchy

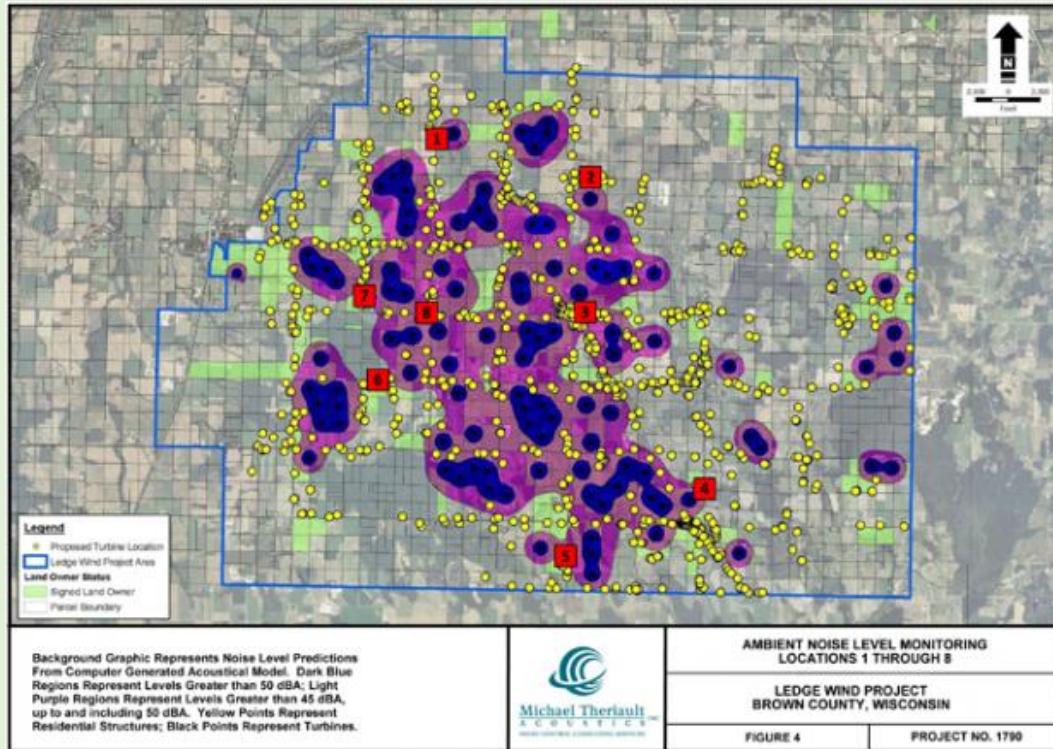
<b>The Laws of Visual Hierarchy</b>			
		low visual prominence	high visual prominence
<b>Size</b>	small		large
<b>Position</b>	bottom of the page		top of the page
<b>Color</b>	low contrast		strong contrast, unique color
<b>Format</b>	text	images, icons	movement, video
<b>Position relative to other elements</b>	crowded on the page		surrounded by whitespace



**How?**

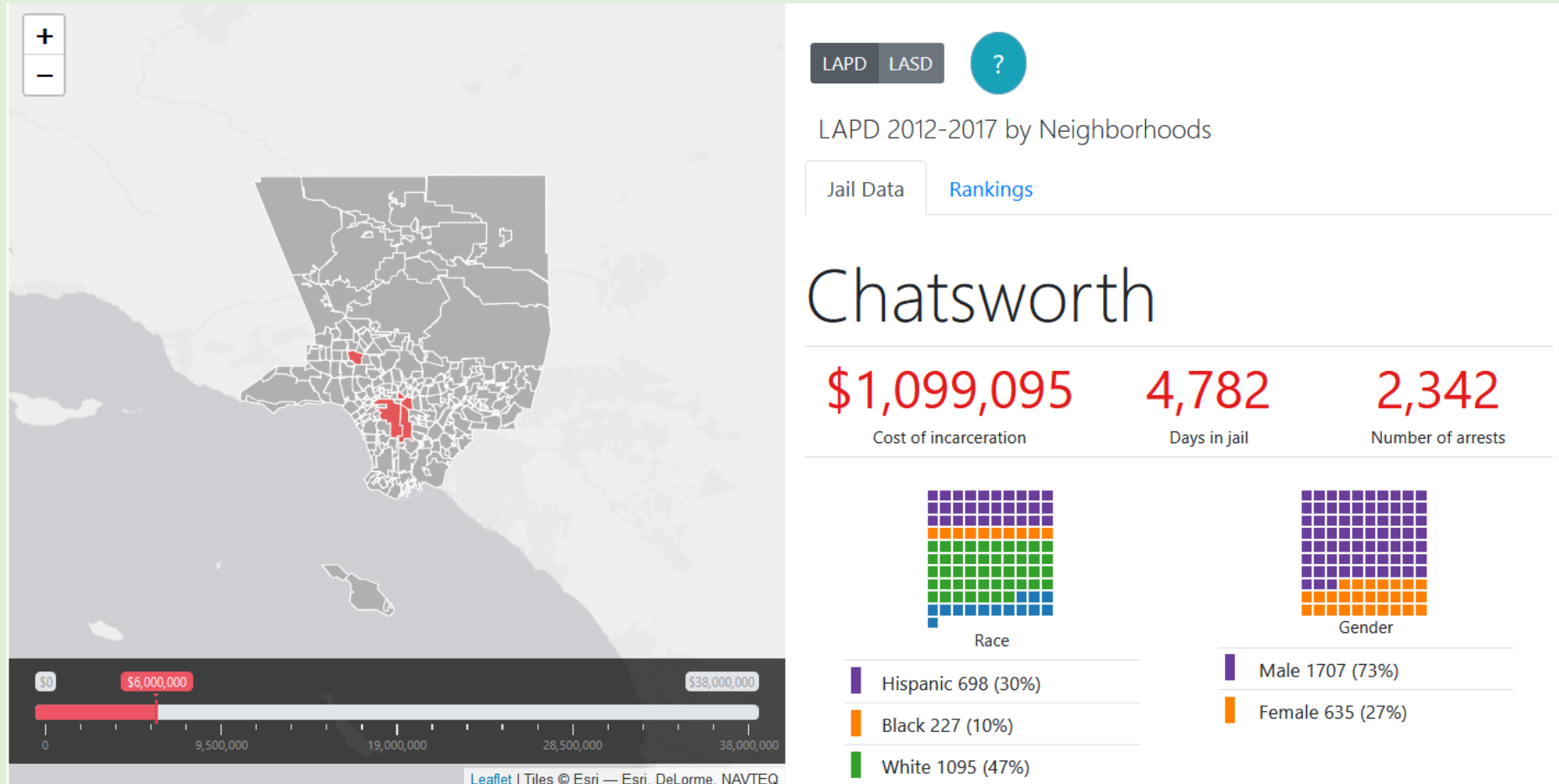


# Visual Hierarchy



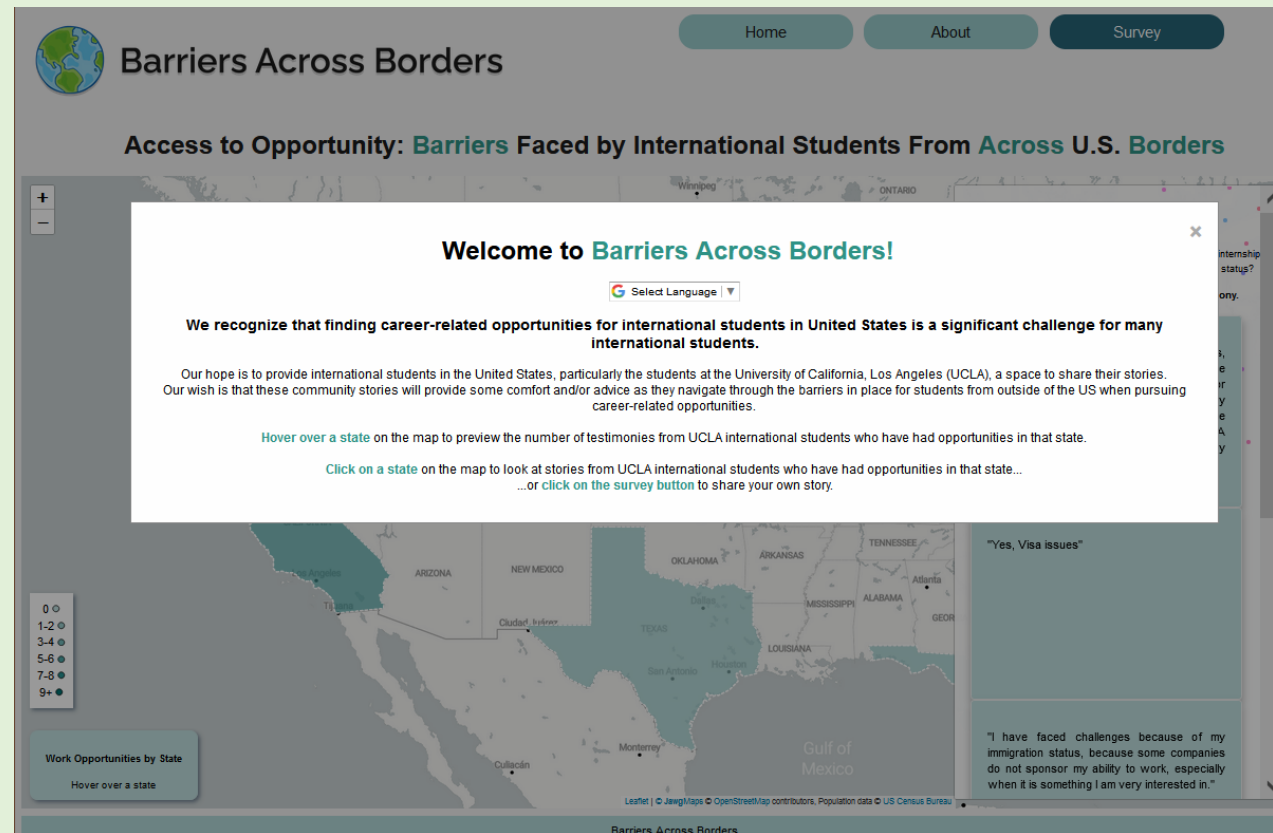
**You have the option to dump data or to tell a narrative.**

# Primary Symbols



**What grabs your attention when you first go to your website?**

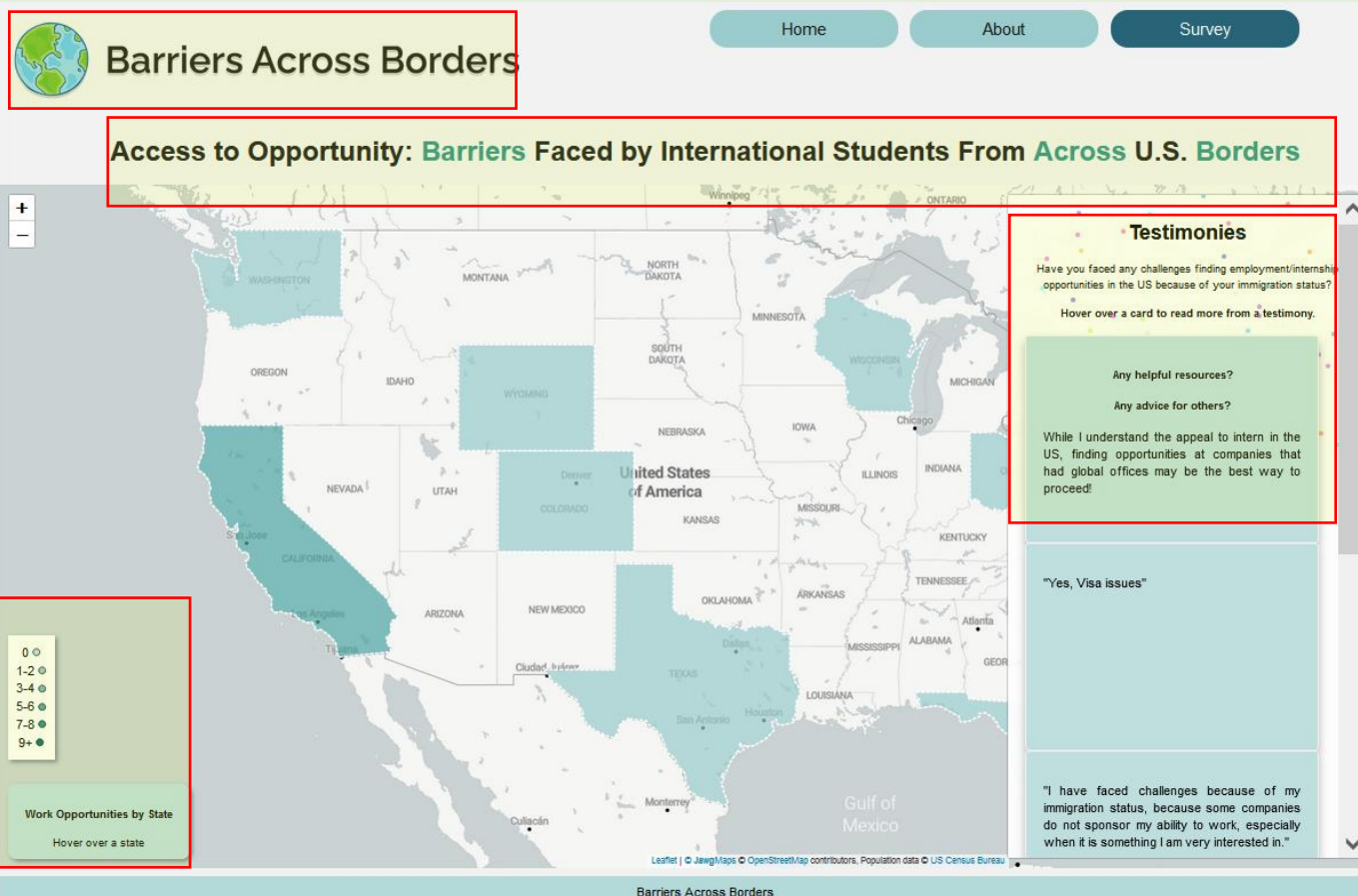
# Design Justice in your mapplications



**Thought exercise: Give your site to your parents, what do you think is their main takeaway?**

# Who are you making the mapplication for?

1. Unique Group name



2. Easily Understood map title

4. Explaining what the symbols mean

3. Survey data explaining why it is important and providing the questions themselves

Ingredients for a successful project, does not need to be this pretty but!!!!

# **Theme of the week**

**Looking beyond web development and GIS for  
social change**

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# Rough Drafts

**Logistics**

**Rough Drafts**

**Lab**

# Collaborating with GitHub and Plugins

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**Lab**

**Logistics**

**Lab**

**Group Exercise**

# GitTing some terms down

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???

???

Git Terms

GitHub & Plugins





Ani-Mentorship ALwards

# NICE MASTER-ING OF RO-SHI-SS IN THE MARKER COLORING AND BUTTONS (BUT FIX THE GRID PLEASE)

Kaila Imada

A screenshot of a Google Forms survey titled "Inside Out 2 Reviews from the LA Area". The form is displayed on a light purple background. At the top, there is a navigation bar with several tabs: "90010", "90024", "Cinemark", "Studio Movie Grill", "IPIC Theaters", "Howard Hughes", "Arclight", "amc", and "IPIC Theaters". The main content area contains the following elements:

- A title "Inside Out 2 Review" and a subtitle "This form should take no longer than a 5 minutes to complete. Please let us know your reviews on Inside Out 2!"
- A link "Sign in to Google to save your progress. Learn more"
- A red asterisk indicating a required question: "\* Indicates required question"
- A question "Have you seen Inside Out 2?" with radio button options for "yes" and "no".
- A question "What is your zipcode?" with a text input field labeled "Your answer".
- "Next" and "Clear form" buttons.
- Footer text: "Never submit passwords through Google Forms." and "This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Privacy Policy".

On the right side of the form, there is a map of the Los Angeles area with several red location pins. The map includes labels for various neighborhoods like West Hollywood, Beverly Hills, Los Angeles, Santa Monica, Culver City, Inglewood, Hawthorne, Lawndale, Gardena, Compton, Torrance, and Carson. The map is credited to "MapLibre | © MapTiler © OpenStreetMap contributors".

<https://kimada62.github.io/24su-asiaam-191a-labs/week4/>

# SHANKS- FOR ALL THE IF STATEMENTS!

Justine Lim

## LAB #4: APIs & CONDITIONALS

What is a popular landmark/  
attraction in your hometown?

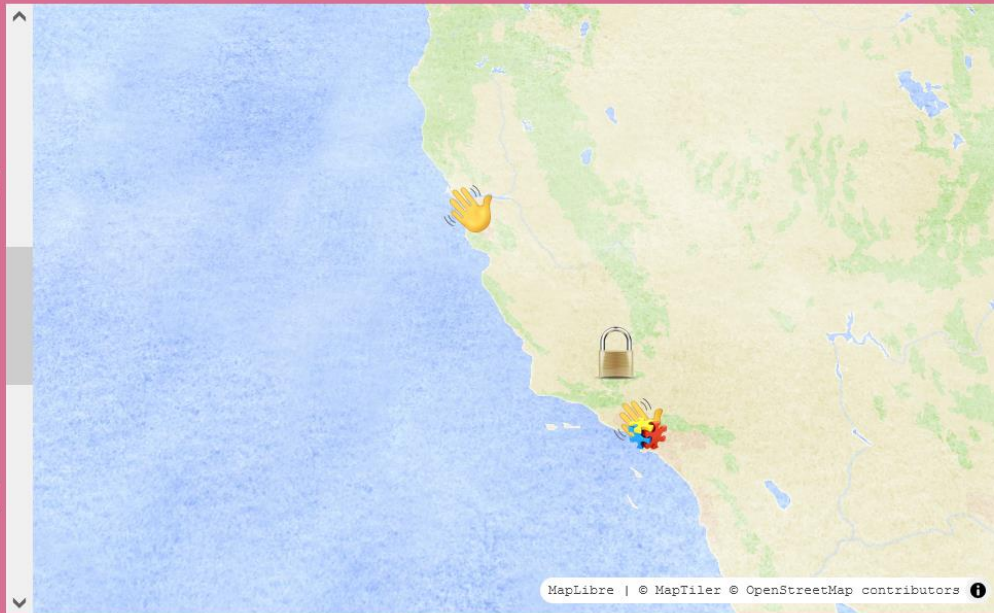
Your answer

How would you best describe the \*  
community?

- Close-knit
- Diverse
- Friendly
- Reserved

How often do you visit?

- Haven't been back since leaving :(



MapLibre | © MapTiler © OpenStreetMap contributors

North Hills, CA Cebu City, Philippines Koreatown, LA Bakersfield, CA Seoul, Korea San Francisco, CA



# IZUMI-EARNINGFUL SYMBOLS AND VERY CURTI-SY OF YOU TO HAVE A DETAILED LEGEND

Paige Wu



### Heat and Public Transportation

Public transport includes the bus, rail/train, bikes, or subway.

90024 91731 90010

#### AA191A Lab4 - Heat and Transportation

Thank you for taking interest in our survey!

This survey will take about 1 minute to complete. If you have questions, comments, or concerns, please reach out!

[Sign in to Google](#) to save your progress. [Learn more](#)

\* Indicates required question

Where is your home zip code? \*

Your answer

**Used Public Transit**

Experience: I depend on it because I choose not to drive and it's generally OK except when it's late at night where there's no service/frequent.

Heat: Kind of. If I have to wait in the heat, I try to find a location to hide in.

Zip Code: 90010

### Legend

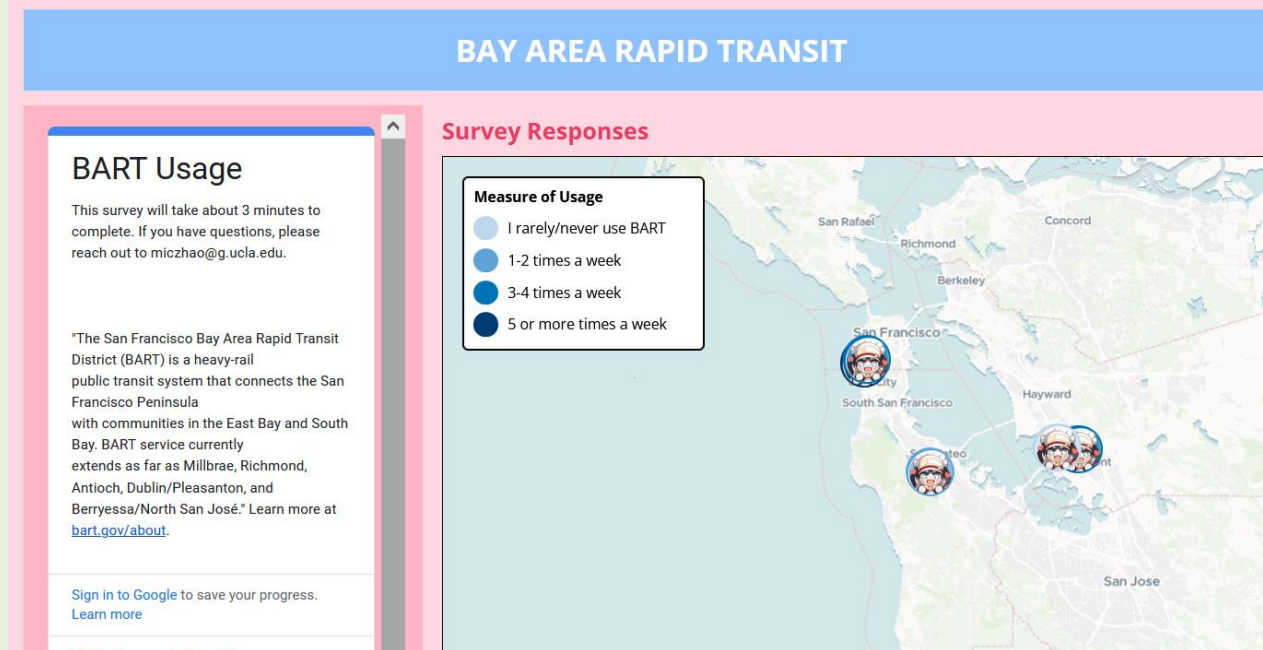
Respondent takes some form of public transit.

Respondent does not use some form of public transit.

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# NO SATORU GOJO-KING AROUND, THIS IS A NICE LEGEND!!!

Michelle Zhao



<https://zhamic7.github.io/aa191a-labs/week4/index.html>

# IROH-TE CODE MAKING A FILTERABLE LEGEND BEFORE OUR LAB ON LEGENDS

Sadhana Jeyakumar



Share Your Escape Room Experience! 🔒 Return

### Escape Room Tales

This survey should only take you 5 minutes to complete.

Only escape rooms in Ventura, Orange, or Los Angeles County will be displayed!

**For each survey, please share one escape room experience.** This can be your favorite, most memorable, or worst escape room location!

*\*This is an anonymous survey. Personal identifying information, including your email address and name, will not be recorded. As responses will be displayed on an online map, please remember that any comments you share will be publicly visible.*

[Sign in to Google](#) to save your progress. [Learn more](#)

**\* Indicates required question**

Have you completed an escape room before in either **\*** Ventura, Orange, or Los Angeles County?

A map of Southern California showing various cities like Santa Paula, Santa Clarita, Lancaster, Palmdale, Santa Clarita, Santa Paula, Oxnard, Pasadena, Los Angeles, Long Beach, and Inglewood. The map is overlaid with several colored pins: green, red, and blue. A legend on the right side of the map explains the colors: green for 'Escaped in time!', red for 'Didn't escape :/', blue for 'Was so close!', and a multi-colored key for 'Default view'. The map also includes a 'Return' button and a copyright notice for 2024.

MapLibre | © MapTiler | © OpenStreetMap contributors


Copyright (2024)

<https://sjeyakum.github.io/24su-aas191a-labs/week4/index.html>

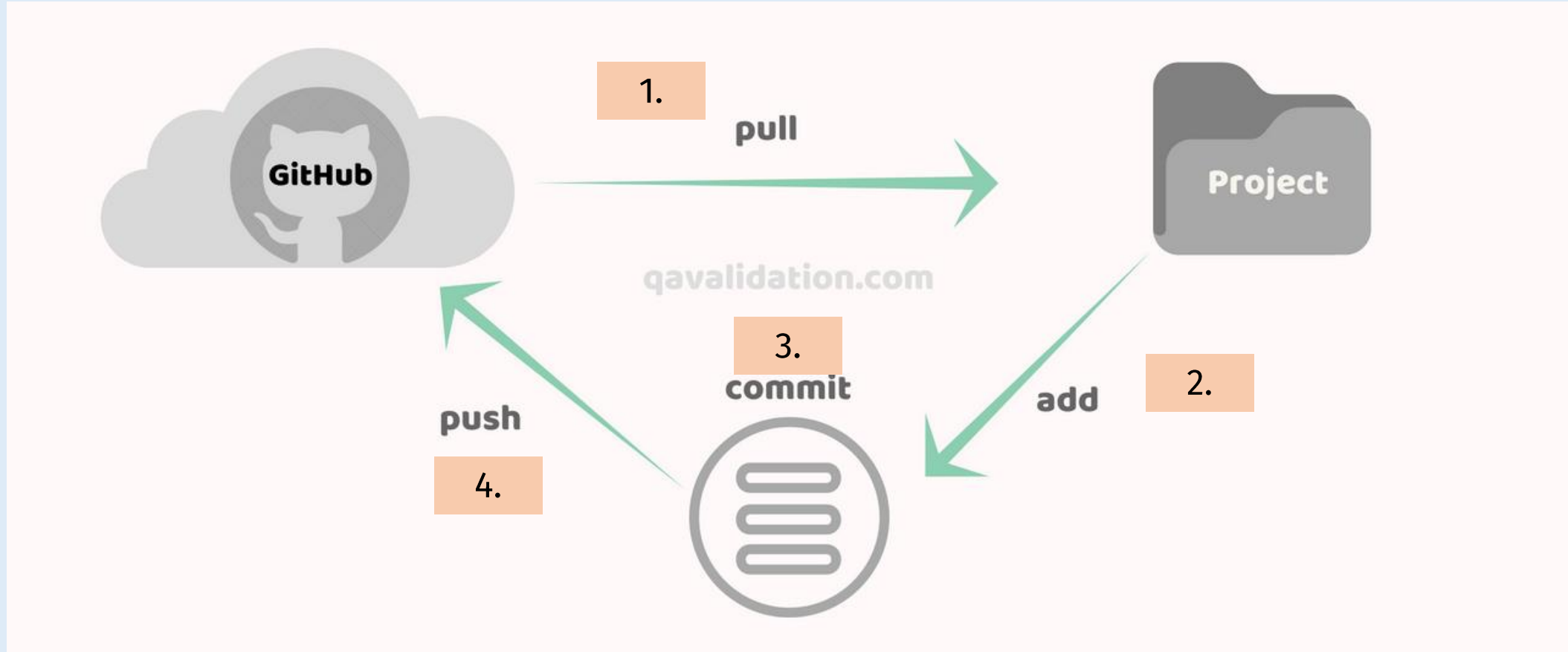
# GitTing some terms down

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**Alwards**

- 
- Alwards**
  - Git Terms**
  - GitHub & Plugins**

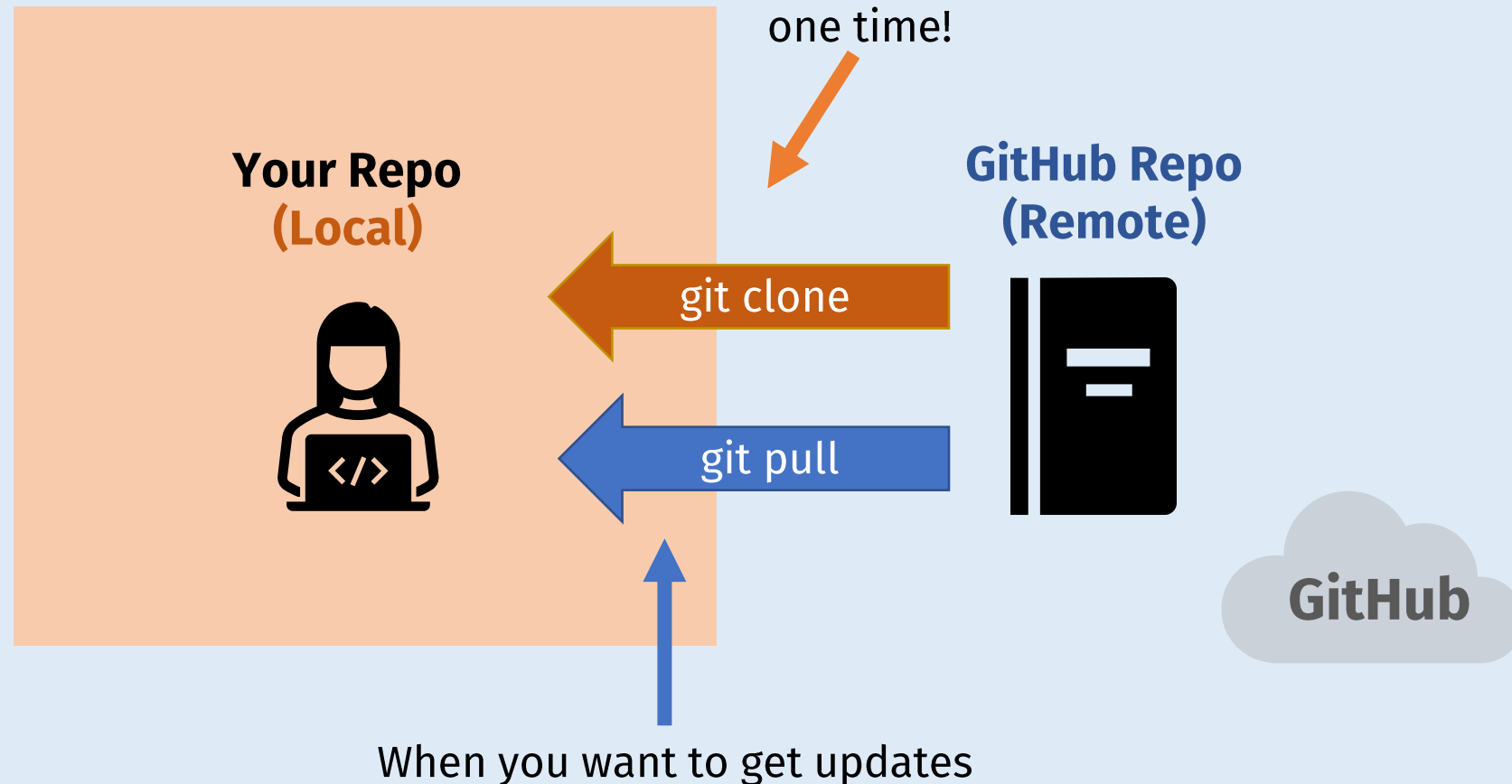
# The git process



- 1. Pull changes**
- 2. Add changes**
- 3. Commit changes (with a message)**
- 4. Push changes**

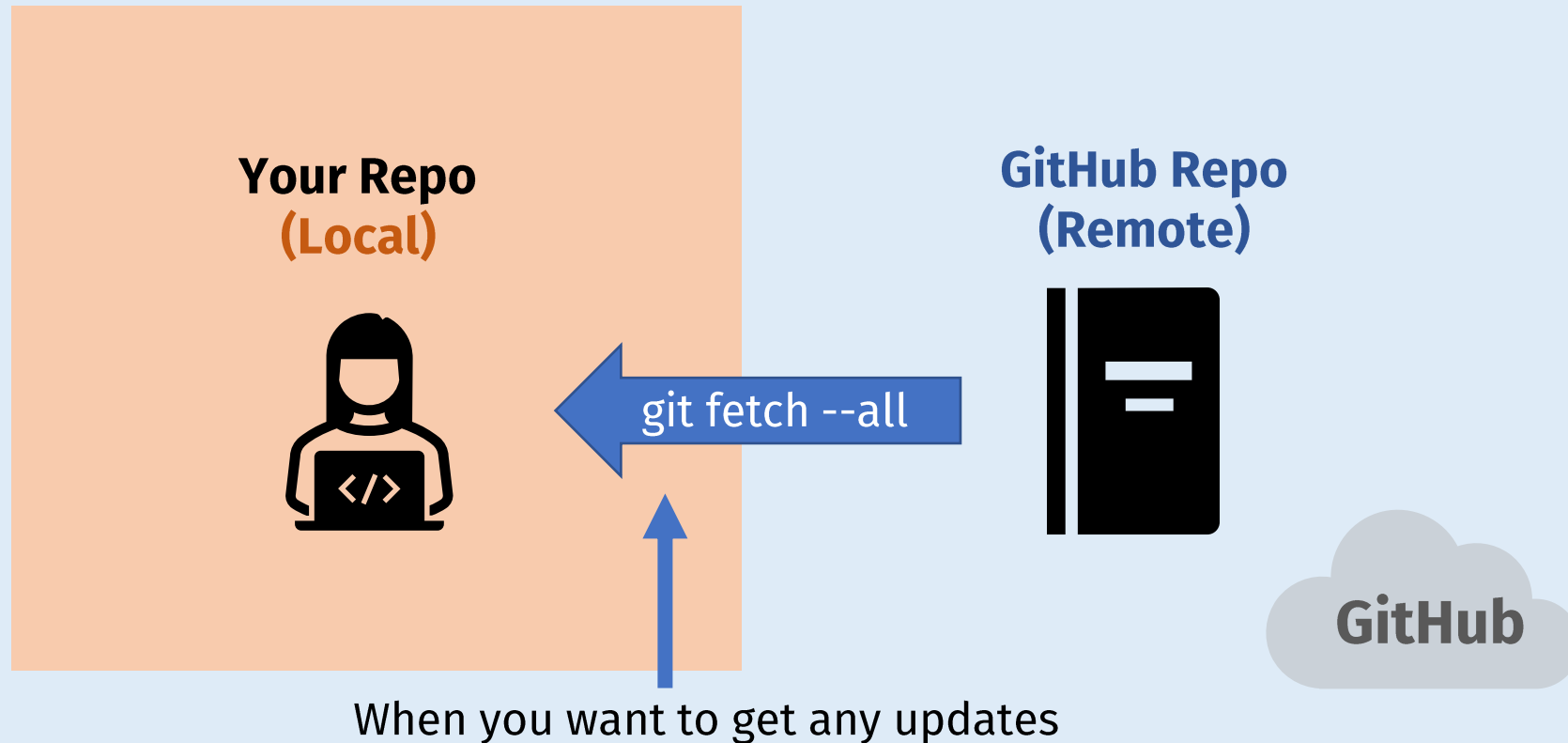


# git cloning/git pull



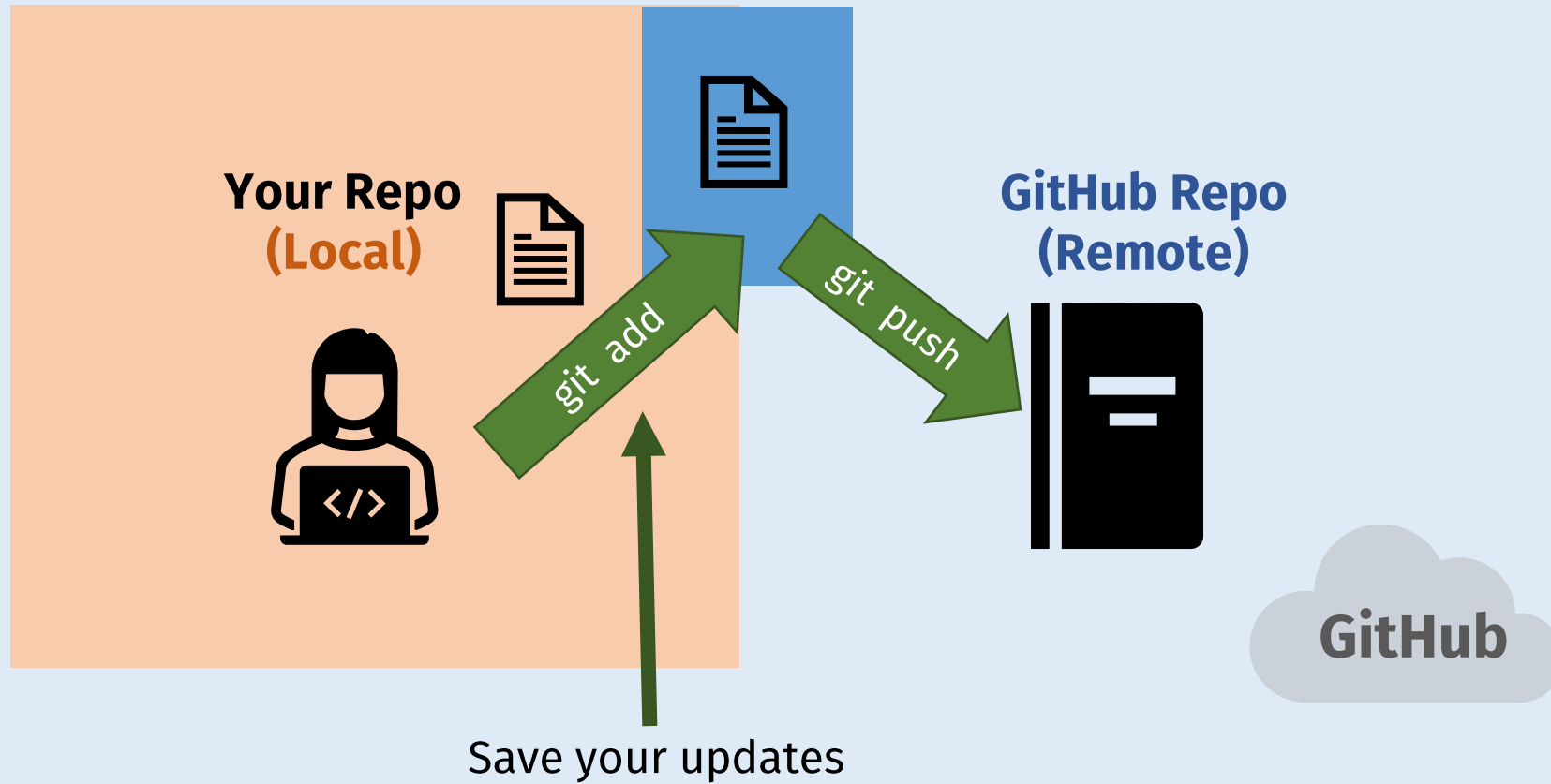
**“Getting code”**

# git fetch --all



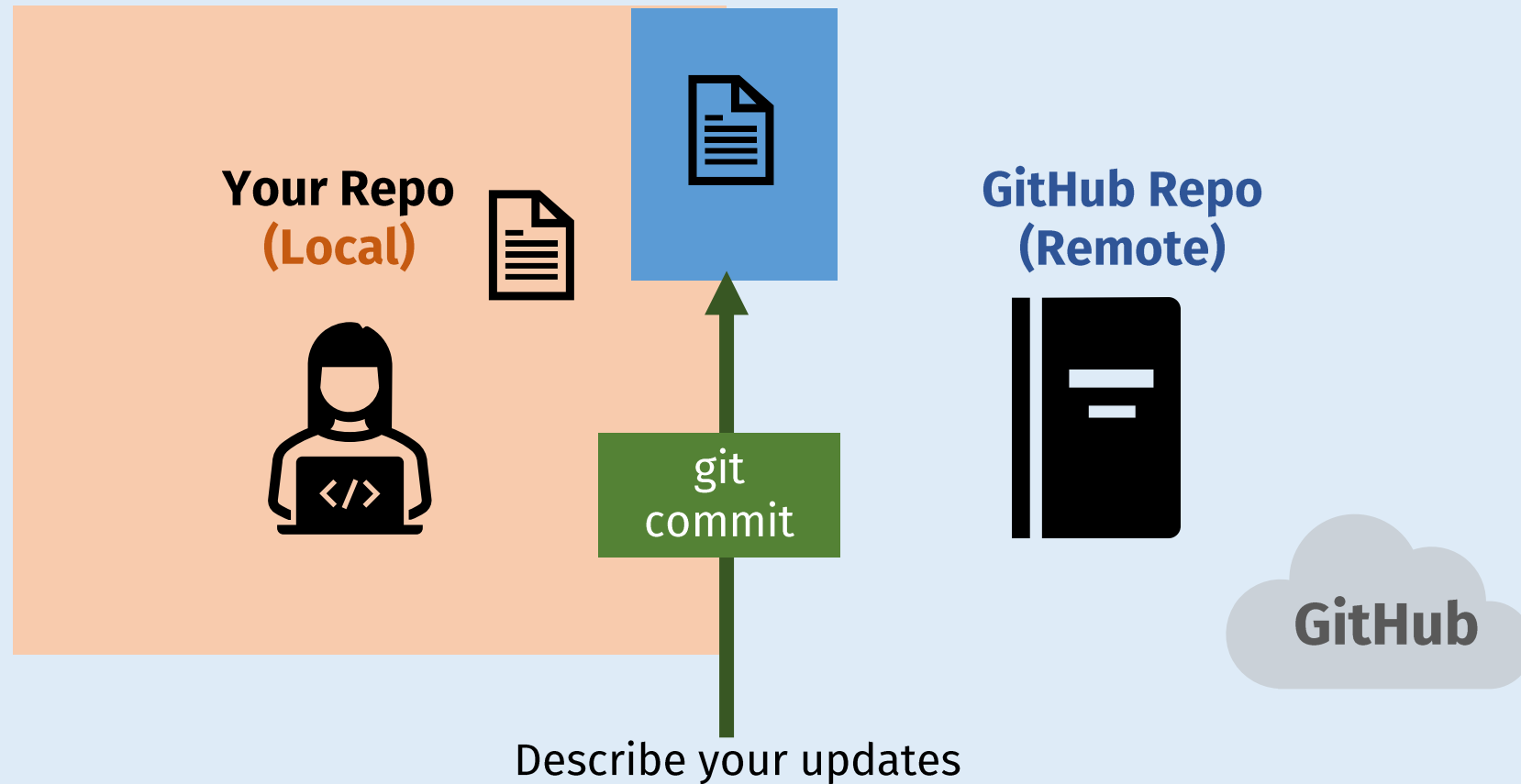
**“get new code” from branches**

# git add



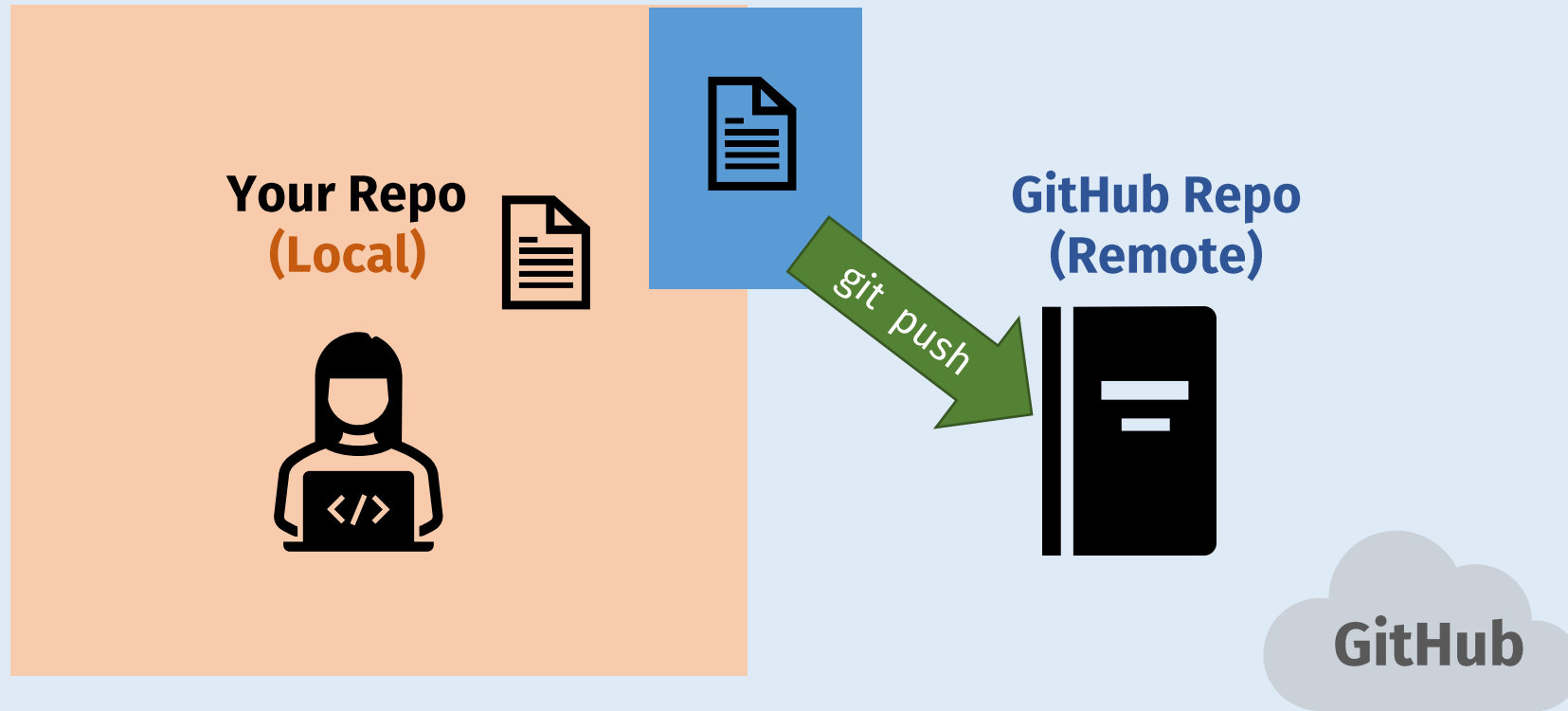
**Choose what to save**

# git commit



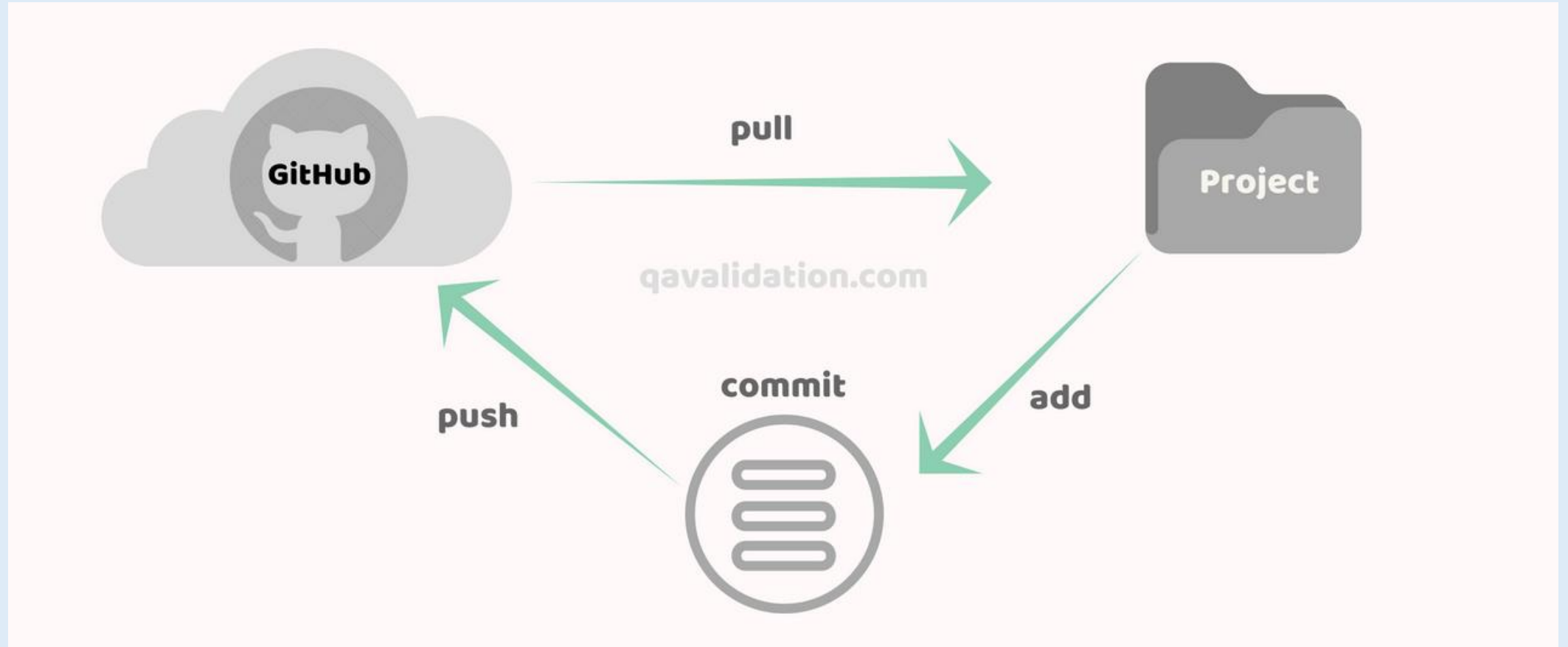
**Add a message to your save**

# git push



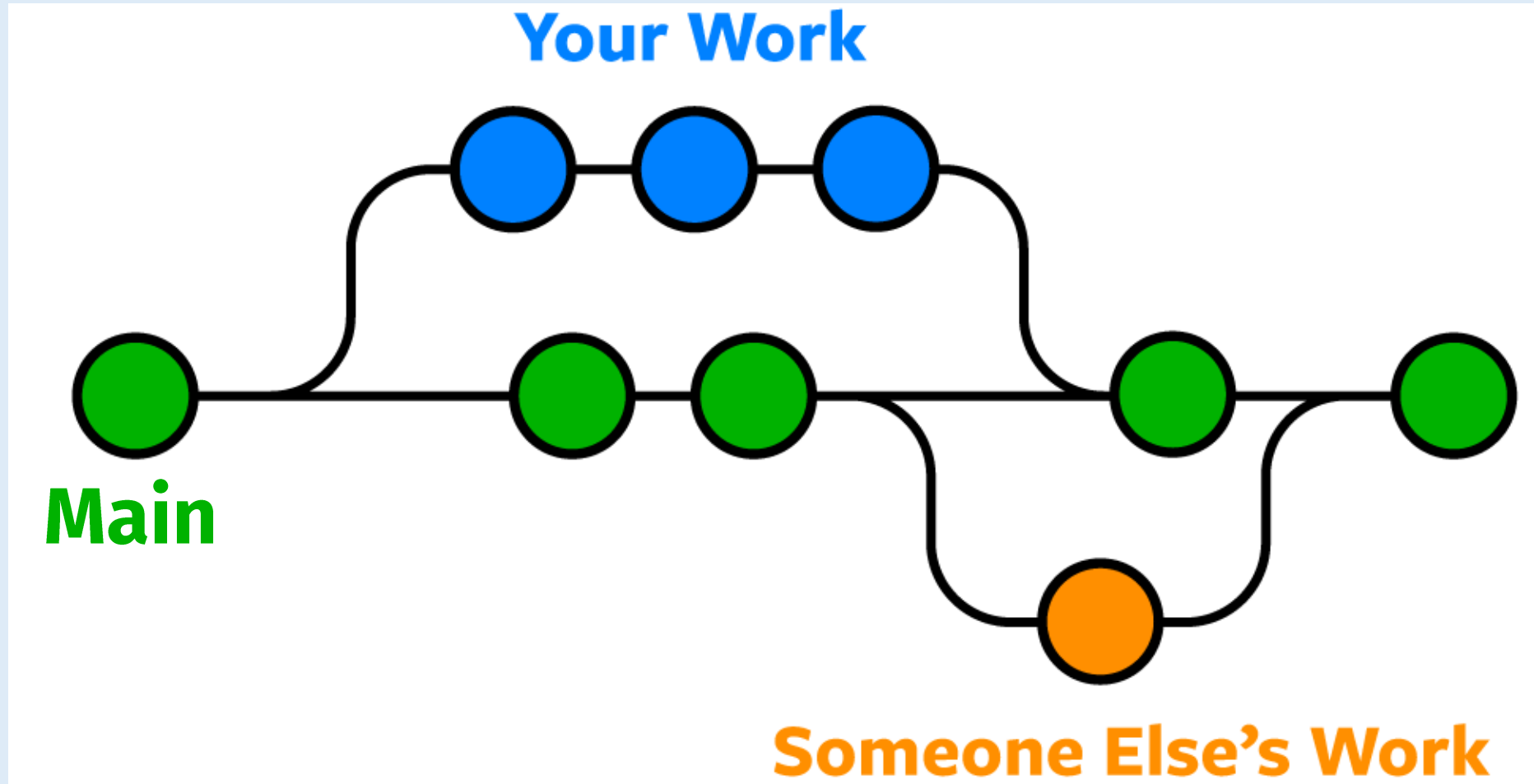
**“Push code” online to save**

# git commit



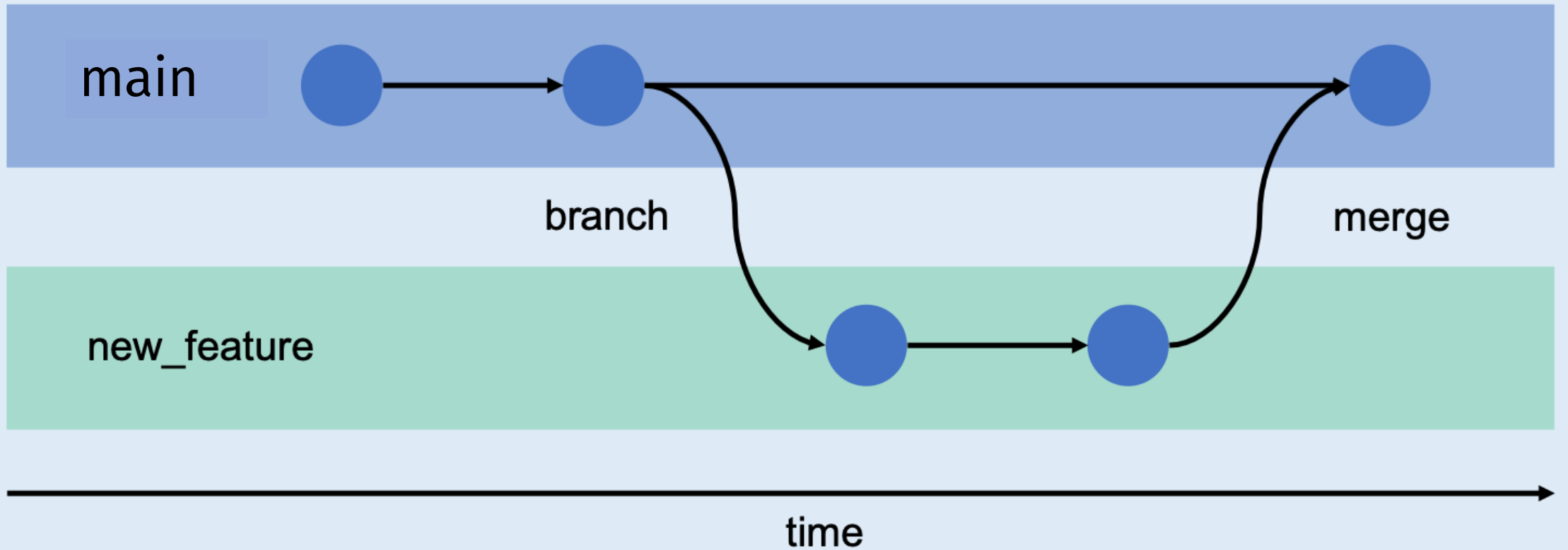
“Adding code” to “save” with a **message**

# git **branches**



A separate **timeline**

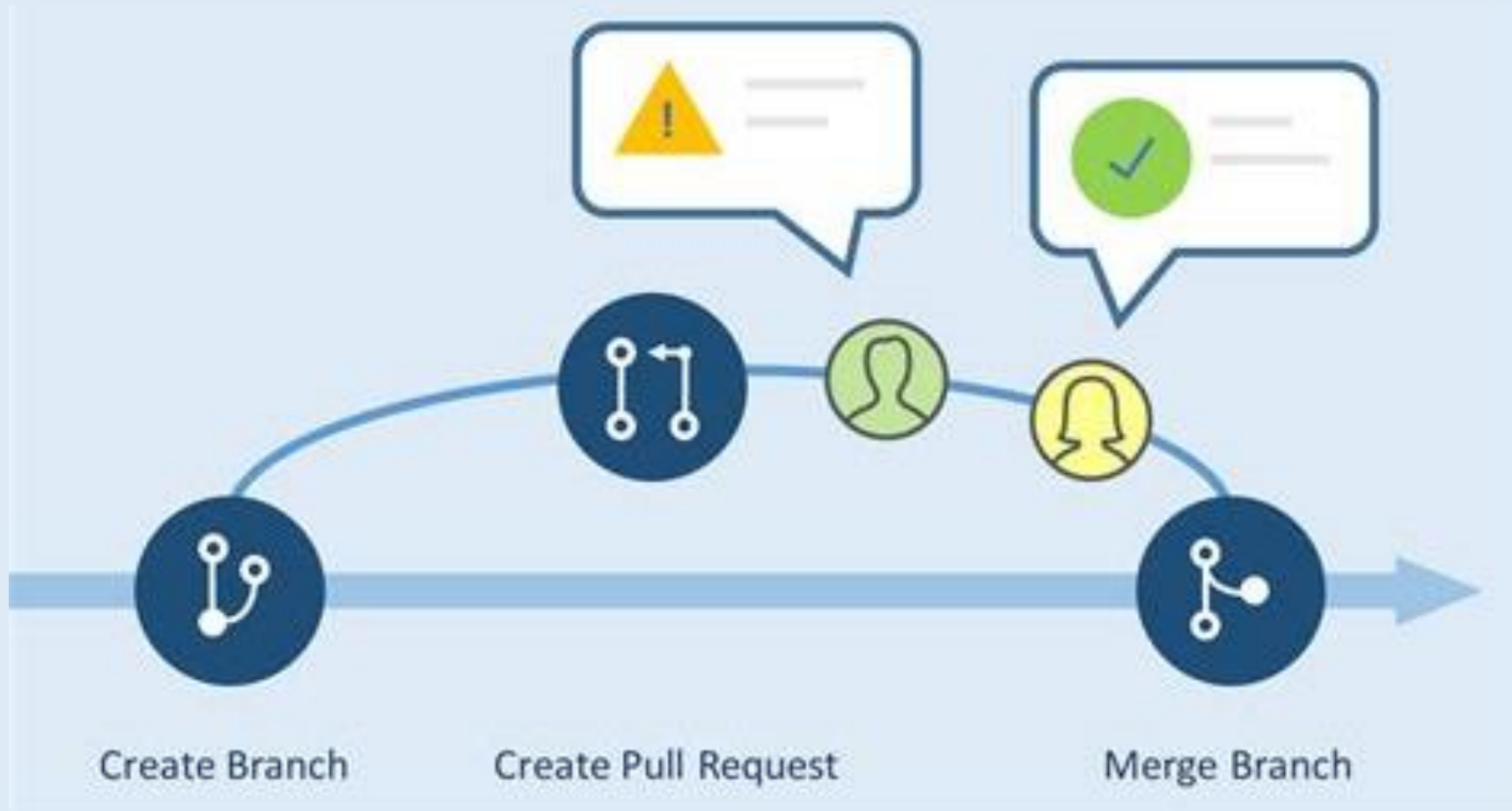
# Merging



**Combining code from different branches**



# Pull Request



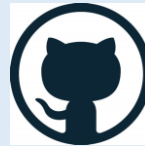
**“A peer reviewed” merge**

# Git Collaborating

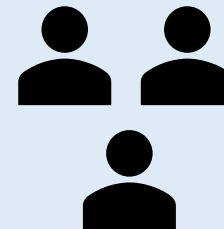
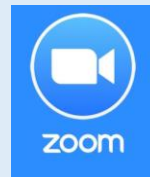
**1. Collaborative Coding Sessions**



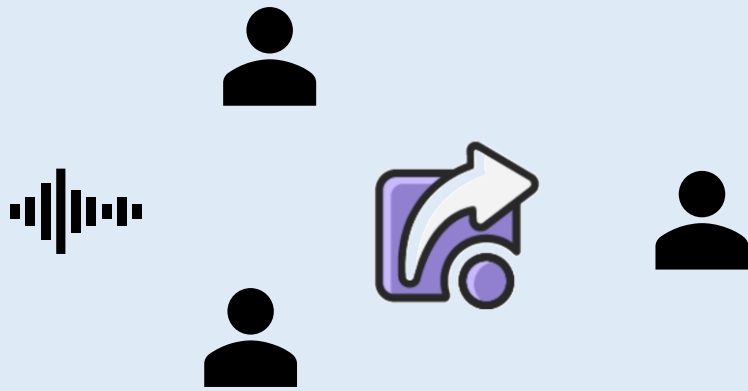
**2. Individual Coding Sessions**



**3. Pair Coding Sessions**



# Collaborative Coding Sessions

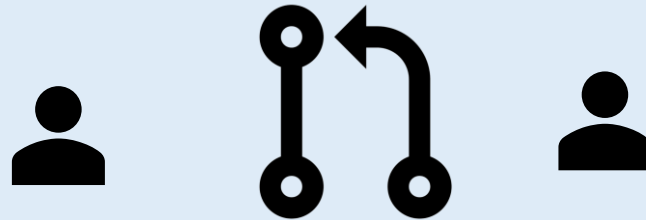


```
SESSION DETAILS
├─ Participants (3)
│   ├── Jon W Chu • Header.js:12
│   ├── Amanda Silver • GuestbookGrid.js:13
│   └── PJ Meyer • GuestbookGrid.js:9
├─ Shared Servers (2)
│   ├── localhost:3000
│   └── REST API
├─ Shared Terminals (2)
│   ├── bash (Read-only)
│   └── bash (Read/write)
├─ Audio Participants (3)
│   ├── Jon W Chu
│   ├── Amanda Silver
│   └── PJ Meyer
└─
```

```
1 import GridArrow from "../GridArrow";
2 import GridLegend from "../GridLegend";
3 import GuestbookGridCell from "../GuestbookGridCell";
4
5 export default class GuestbookGrid extends Component {
6   constructor(props) {
7     super(props)
8     this.state = PJ Meyer
9     signatures: signatures
10  }
11 }
12 Amanda Silver
13 render() {
14   const cells = this.state.signatures.map((signature, index) => (
15     <GuestbookGridCell key={index} {...signature} />
16   ));
17 }
18 }
```

**Live Share extension in VS Code**

# Individual Coding Sessions



**Pull Requests**

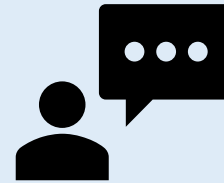
**Merge changes using GitHub**

# Pair Coding Sessions

**Look over one's shoulder**

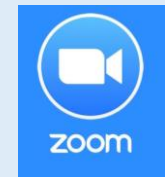


**Driver**



**Navigator**

**Can happen online with screen share over Zoom/Discord/etc.**



**Work Side-by-side with only one person coding**

# Collaborating with **GitHub** and **Plugins**

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**Lab**

**Git Terms**

**GitHub & Plugins**

# Collaborating with GitHub and Plugins

Covid Vaccination Stories

The image shows an interactive web application titled "Covid Vaccination Stories". It features a map of California with several colored markers (red and blue) indicating vaccination stories. A legend indicates that red markers represent "Speaks English First" and blue markers represent "Doesn't Speak English First". To the right of the map is a table listing the cities associated with each marker. A green button labeled "Take the survey" is located at the bottom right of the interface.

San Francisco	Oakland
Los Angeles	san diego
San Diego	Irvine
Las Vegas	San Diego
Los Angeles	Sacramento

Leaflet | Tiles © Esri — Esri, DeLorme, NAVTEQ

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<https://albertkun.github.io/24SU-ASIAAM-191A/labs/week6/>

# Final Assignments

Due **July 7/31**

- **Final Thinking Cap**
- **Final Group Assignment**



# Final Thinking Cap Reminder

**What are your thoughts about the future of web development for civil society?**

**Which visiting voice left the most impact on you?**

**What **people** connections (if any) would you like to maintain from this class going forward?**

<https://github.com/albertkun/23S-ASIAAM-191A/discussions/27>

**Due next week on Thursday 6/8 – Respond to just **one** other student!**