Let's start on the multiplayer trivia game!

First workshop!

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UMN ADC

September 28, 2021

Logistics...

Streaming

- https://umn.zoom.us/my/adc.workshop
- Recordings will be posted as unlisted YouTube videos as linked at https://adcumn.org/meetings

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In-person

- Tuesdays 5-6pm
- Tate Hall B20

Officer openings!

- Workshop instructors

DM us on the discord!

https://z.umn.edu/ADCdiscord

A look ahead...

Event Schedule

Check here to see our event schedule. Join the discord for the latest event updates. Want a sneak peak? Check out our GitHub.

Event	Time	Place	Guide	Recording
Kickoff: Play a multiplayer trivia game that you'll learn how to make later!	Tue, Sep 21 7pm	Bruininks Hall 230	Slides	N/A
Multiplayer trivia game part 1: Setting up your environment	Tue, Sep 28 5-6pm	Tate Hall B20	Tutorial	
Multiplayer trivia game part 2: HTML, CSS, and Jinja templating	Tue, Oct 5 5-6pm	Tate Hall B20	Tutorial	
Multiplayer trivia game part 3: SocketIO	Tue, Oct 12 5-6pm	Tate Hall B20	Tutorial	
Multiplayer trivia game part 4: More SocketIO	Tue, Oct 19 5-6pm	Tate Hall B20	Tutorial	
Multiplayer trivia game part 5: Open source fest	Tue, Oct 26 5-6pm	Tate Hall B20	N/A	N/A
More workshops (iOS, Mac, React) coming soon!				

Gauge the room

How many of these have you heard of? How many of these have you used?

- HTML
- CSS
- Flask
- JavaScript
- Socket-IO

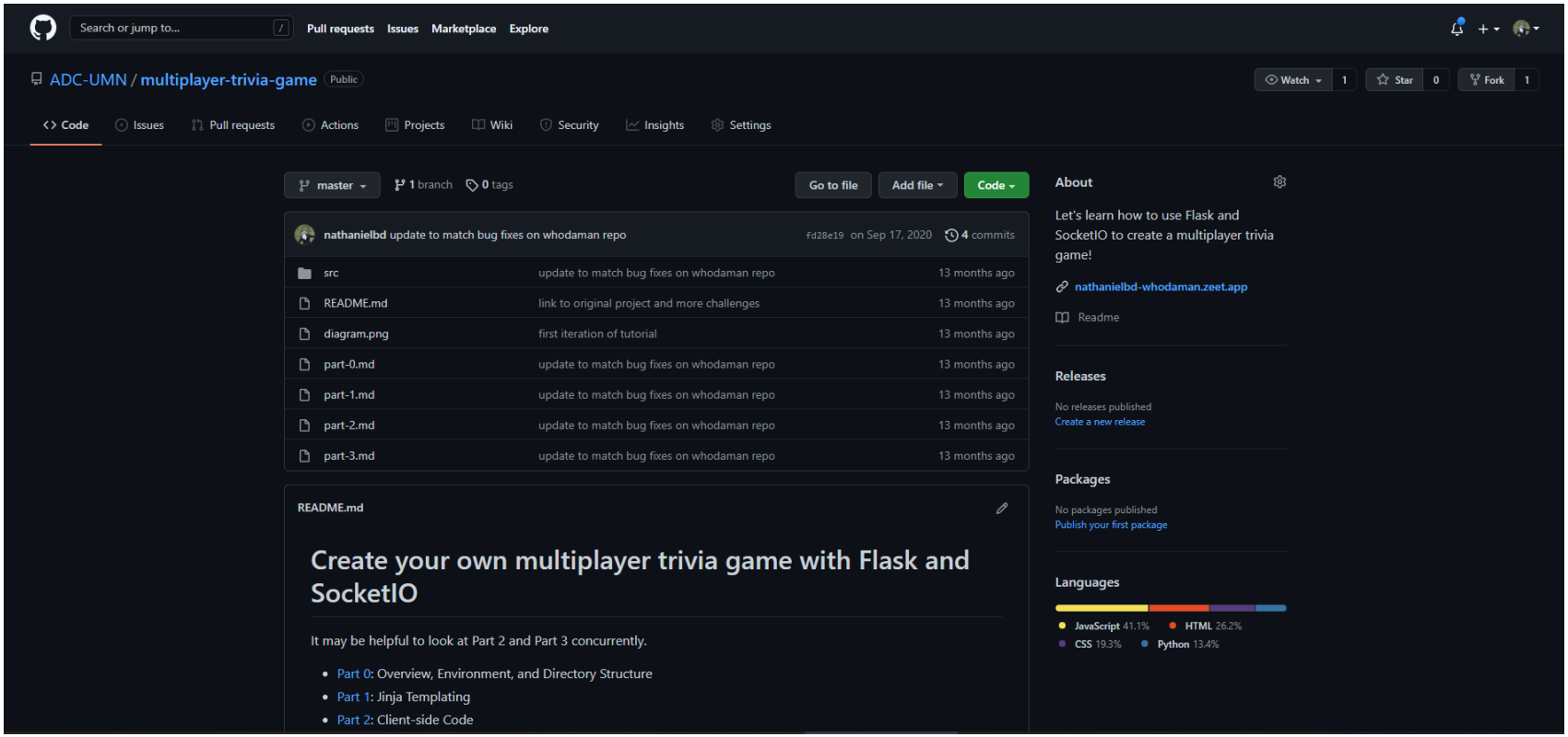
Interest?

What do you want out of workshops? What do you want out of the club?

Would less structured events to simply meet collaborators for projects be helpful, or do you just want to meet on the discord?

Follow the guide!

https://z.umn.edu/adc-mtg



Python

Programming language, runs on a server

Let's install it:
https://www.tutorialdocs.com/tutorial/python3/setup-guide.html

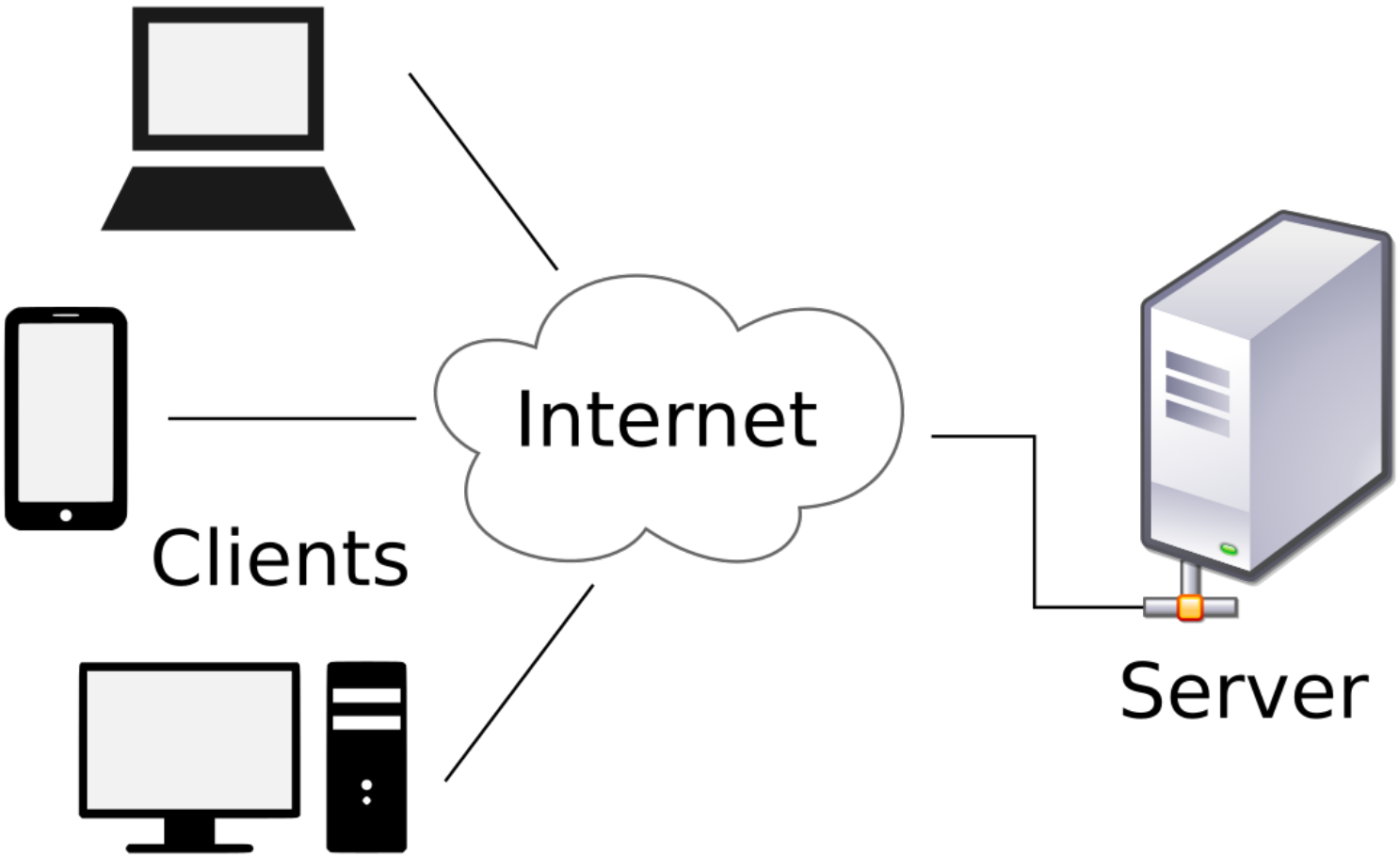
VS Code

Visual Studio Code

Integrated Development Environment (IDE), text editor

https://code.visualstudio.com/

The big picture



Client side

Client

- HTML
- CSS
- JavaScript

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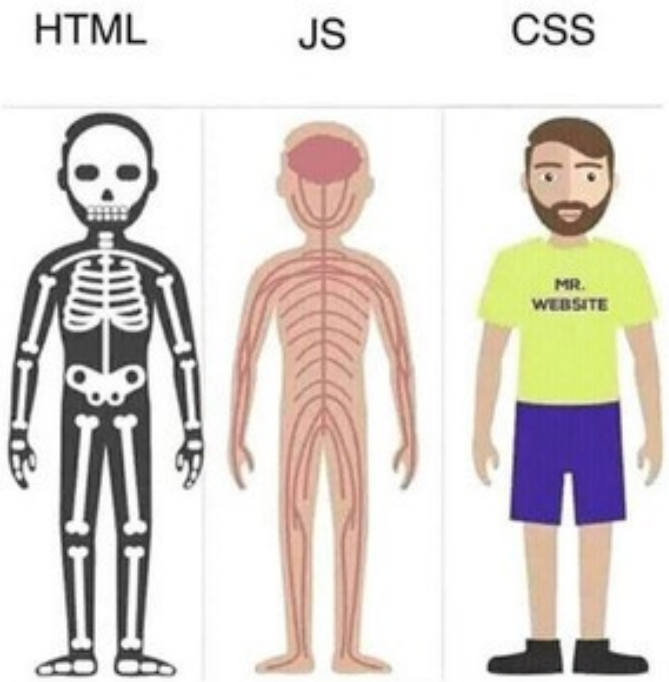
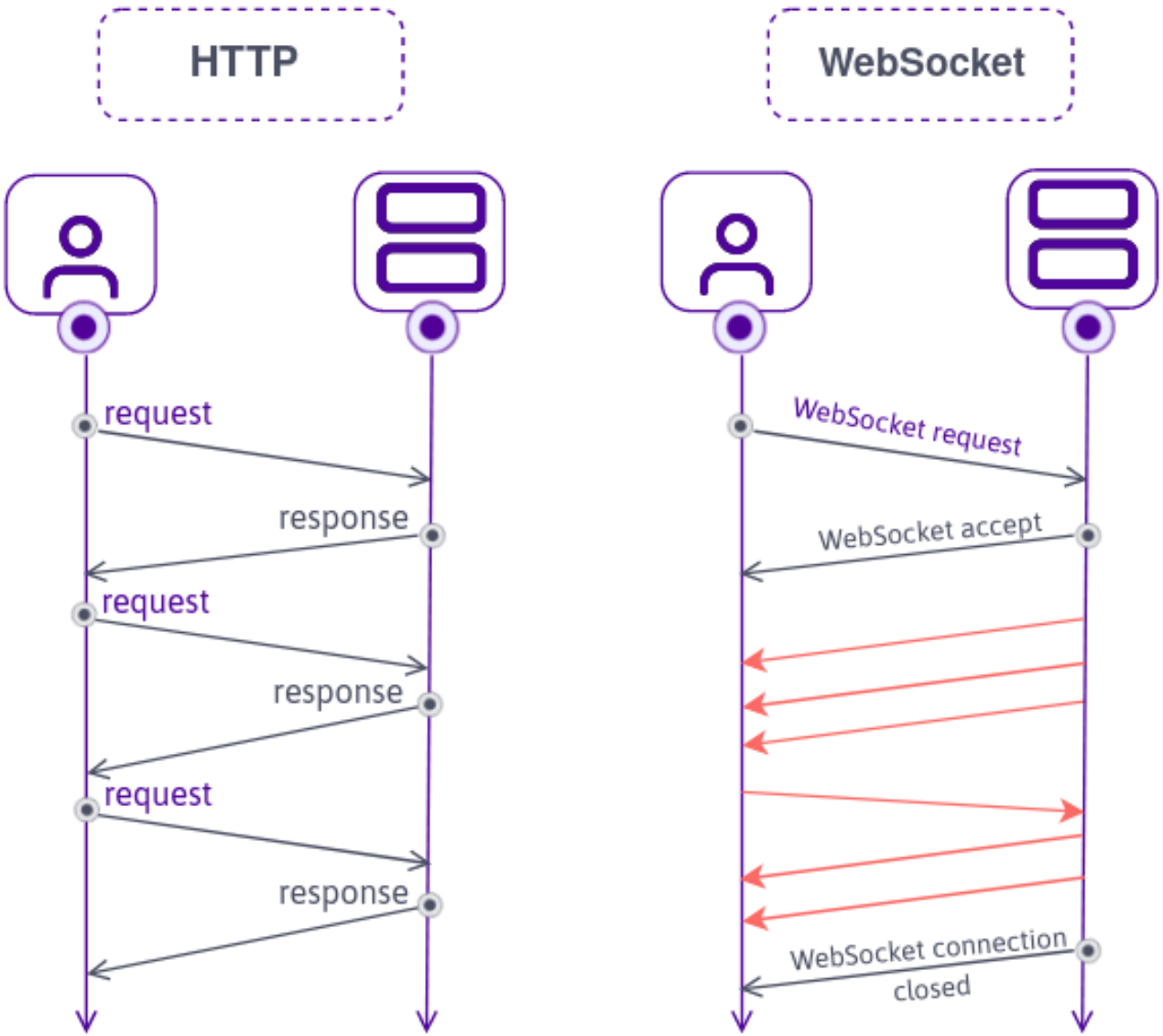


Server side

Server

- Flask
- Flask-SocketIO

Server side


HTTP
WebSocket
request
response
request
response
request
response
WebSocket request
WebSocket accept
WebSocket connection
closed

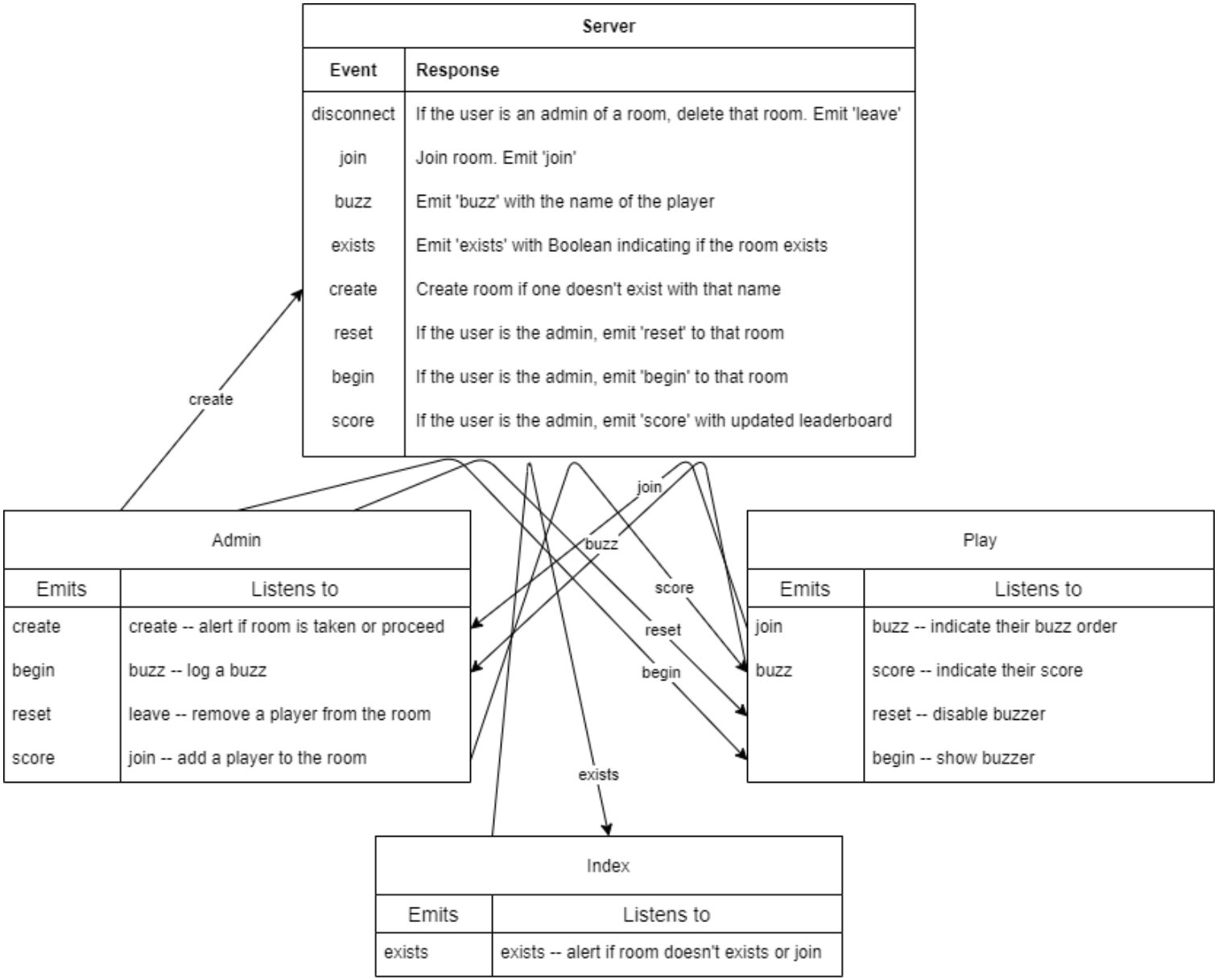
What do I type?

Directory Structure

Here's a typical directory structure for a small (<1000 line) Flask app:

```
root/
+--static/ # static client-side JavaScript and CSS files
|  +--index.js
|  +--style.css
+--templates/ # HTML files with Jinja templating
|  +--index.html
+--app.py # server-side code
```

Here's how this specific project will be structured:

```
root/
+--static/
|  +--admin.js
|  +--favicon.ico # icon in the browser
|  +--index.js
|  +--play.js
|  +--style.css
+--templates/
|  +--admin.html
|  +--index.html
|  +--layout.html
|  +--play.html
+--app.py
```

SocketIO events