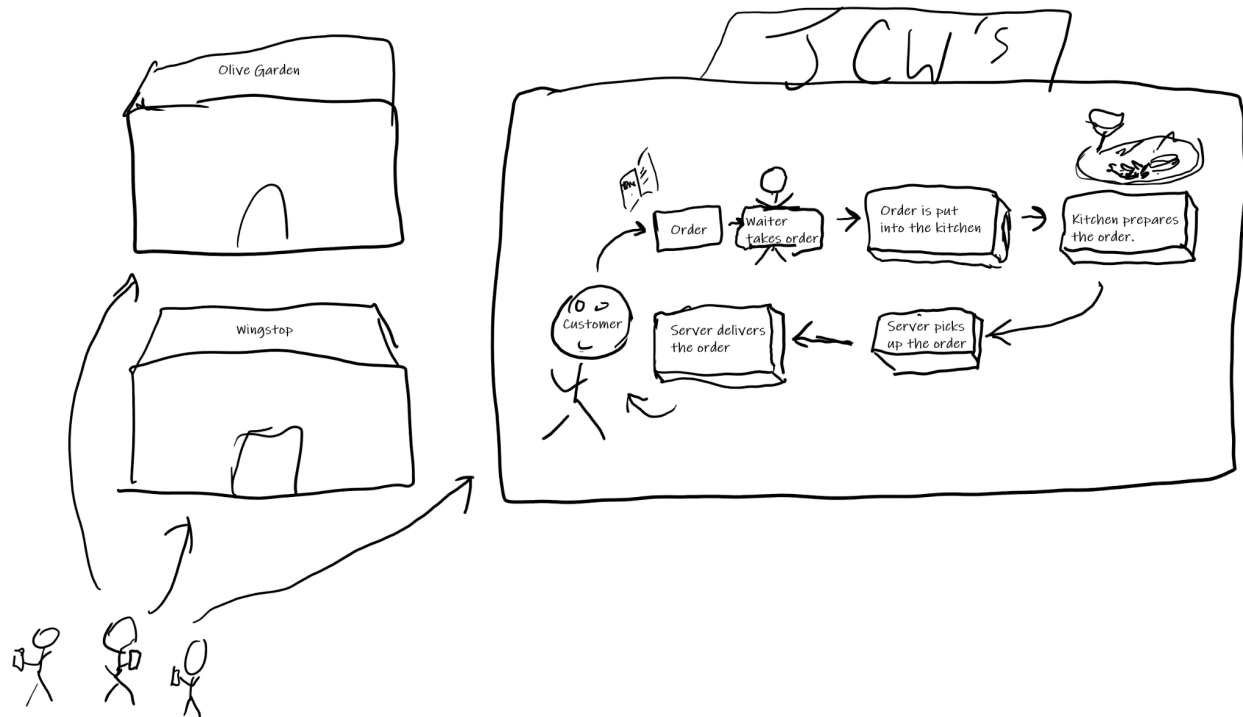


# How the web works

- The internet is a network that is a worldwide network.
- The web is an interconnected system of public webpages.
- A network is when multiple computers are connected.
- A router connects computers and makes sure that the computer routes to the correct computers on the network.
- Servers are computers that store information such as web pages. Computers can access these servers.
- Packets are small chunks of data that are sent to the requesting computer. It allows multiple people to access the data at a time.

## Metaphor for the internet & world wide web-

The internet and the world wide web is like a restaurant. In a restaurant you make your request,, and the server takes your request and after it is prepared it is brought back to you. So you can request whatever that restaurant has available. The internet is like having access to every restaurant in the world. You can be in whatever restaurant you'd like and order whatever they have to offer.



1. A domain name is a nickname for an ip address.
2. Dev mountains ip address is: 172.67.9.59
3. The reason it's protected is for security. Can prevent DDOS attacks probably.
4. Your browser looks through your cache first then the isp cache, and if it still doesn't have it will find the ip in the root dns servers. Then it returns the ip address back to your browser.

Initial Request- The network needs to know what to look for.

Request reaches app server- The server holds the data you requested.

App code finishes execution - The app code knows what parts of the data you need.

Browser receives HTML, begins processing - Your browser receives it and begins to process it.

HTML processing finishes- The HTML code that your browser needs to display the data.

Page rendered in browser - You see the data processed and displayed in your browser.

