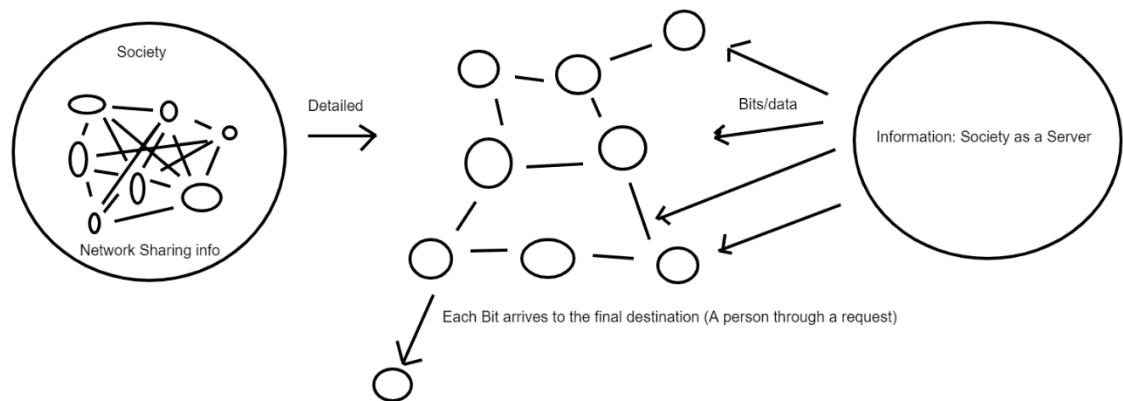


## How The Web Works

### Topic 1:

1. The internet is a large network that contains a larger number of smaller networks.
2. A system of public webpages that can be accessed through the internet.
3. Internet and Web:
  - a. Networks are interconnected computers (physical or signals) that share data.
  - b. A server is a computer that stores data and responds to client requests by displaying/providing said data.
  - c. Routers are like small computers that use signals to transfer data between computers.
  - d. Packets are small bits of the same data that are sent to the fastest route, can easily be recovered.
4. Society is the network that is connected by humans, spreads information and human ideas.
- 5.



### Topic 2:

1. Computers use IP Addresses to know where to go, people use domain names because we cannot memorize so many numbers.
2. 172.67.9.59

3. It is wise to not use your IP Address for your site because it could run the risk of people knowing where you live.
4. Domain names are identified and assigned to the site, the browser then understands where to go based off of previously written code.

Topic 3:

Steps Scrambled	Steps in Correct Order	Why did you put this step in this position?
<i>Example: Here is an example step</i>	<i>Here is an example step</i>	<i>- I put this step first because ____</i>  <i>- I put this step before/after ____ because ____</i>
Request reaches app server	2	The request needs to arrive at a server before processing anything.
HTML processing finishes	4	HTML needs to finish processing before any other process can begin
App code finishes execution	5	Once the request arrives and the HTML, CSS, and JavaScript have processed, the app can execute.
Initial request (link clicked, URL visited)	1	This step goes first because something needs to be requested before anything can begin.
Page rendered in browser	6	The page loads once everything has been requested and processed.
Browser receives HTML, begins processing	3	HTML is processed first before any other code

Topic 4:

A.

1. "Jurni Journaling you journeys"
2. The Same as 1

3. I was correct, I knew that it would say this because it's written as HTML, and it is the only string written that way.
4. I was not correct; I did not know what I was doing.

B.

1. The body should say a date "January 1" and a string like "Hello World"
2. I expected the media/content-type to be some sort of text
3. I was mostly correct, there were more strings in the code that were labelled under /entries so I made an educated guess.
4. I was not correct, I expected text, not an application.

C.

1. The function seems to be calling an object.
2. The properties are going to be the ID, Content, and Date.
3. Curl -I -X POST -H 'Content-type: application/json' -d '{"id": 4, "date": "March 5"}'
4. <http://localhost:4500/entry>
5. "Id: 4, Date March 5"
6. Application/json
7. Yes, the syntax took some time to figure out, but after a few tests, I was sure what I put would come out like #5.
8. Yes, I knew that this was an application and that the type would come out as such, especially after writing "application/json"