



COMPUTER NETWORKING

404

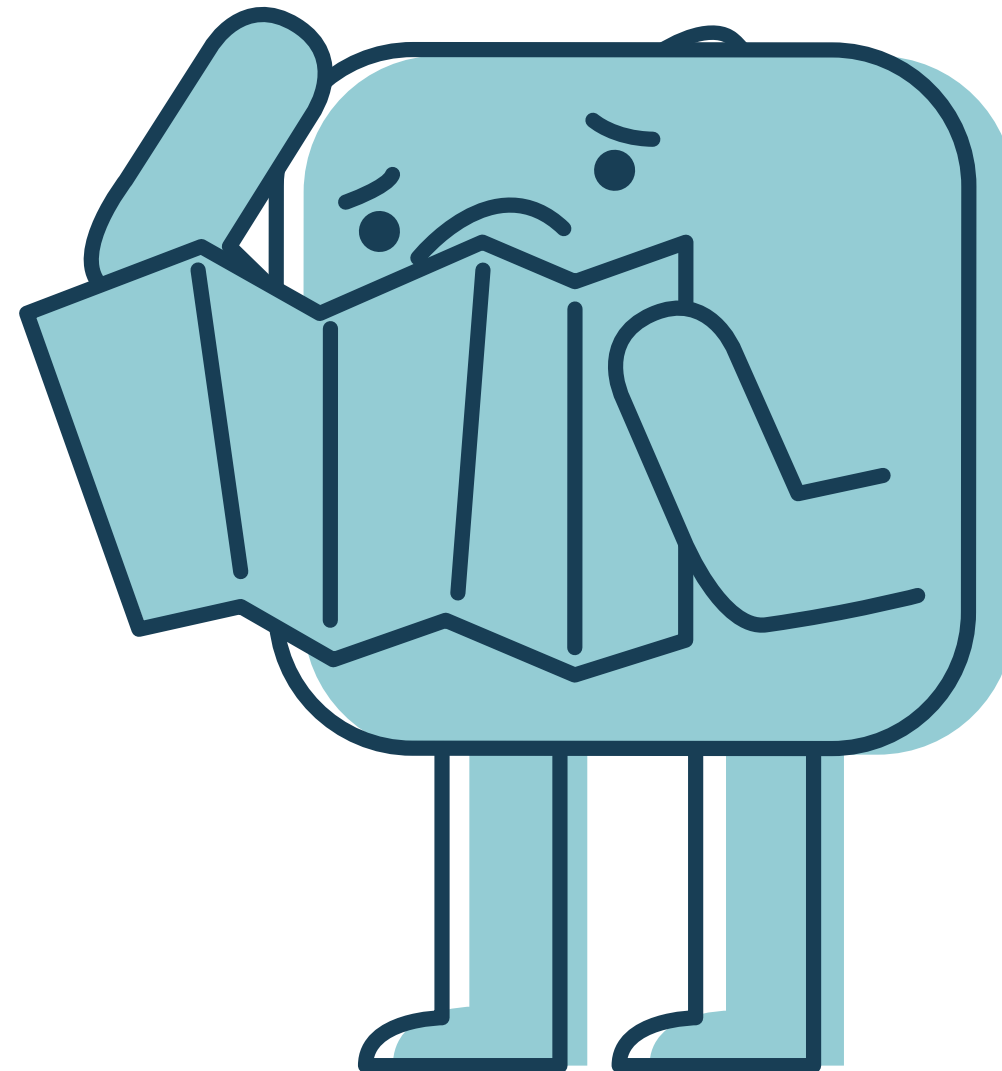
NOT FOUND

PRESENTATION BY

Darian Johnson, Q'Lae Mann, Tavianne
Maultsby, Akai Minor, Jessica Perez

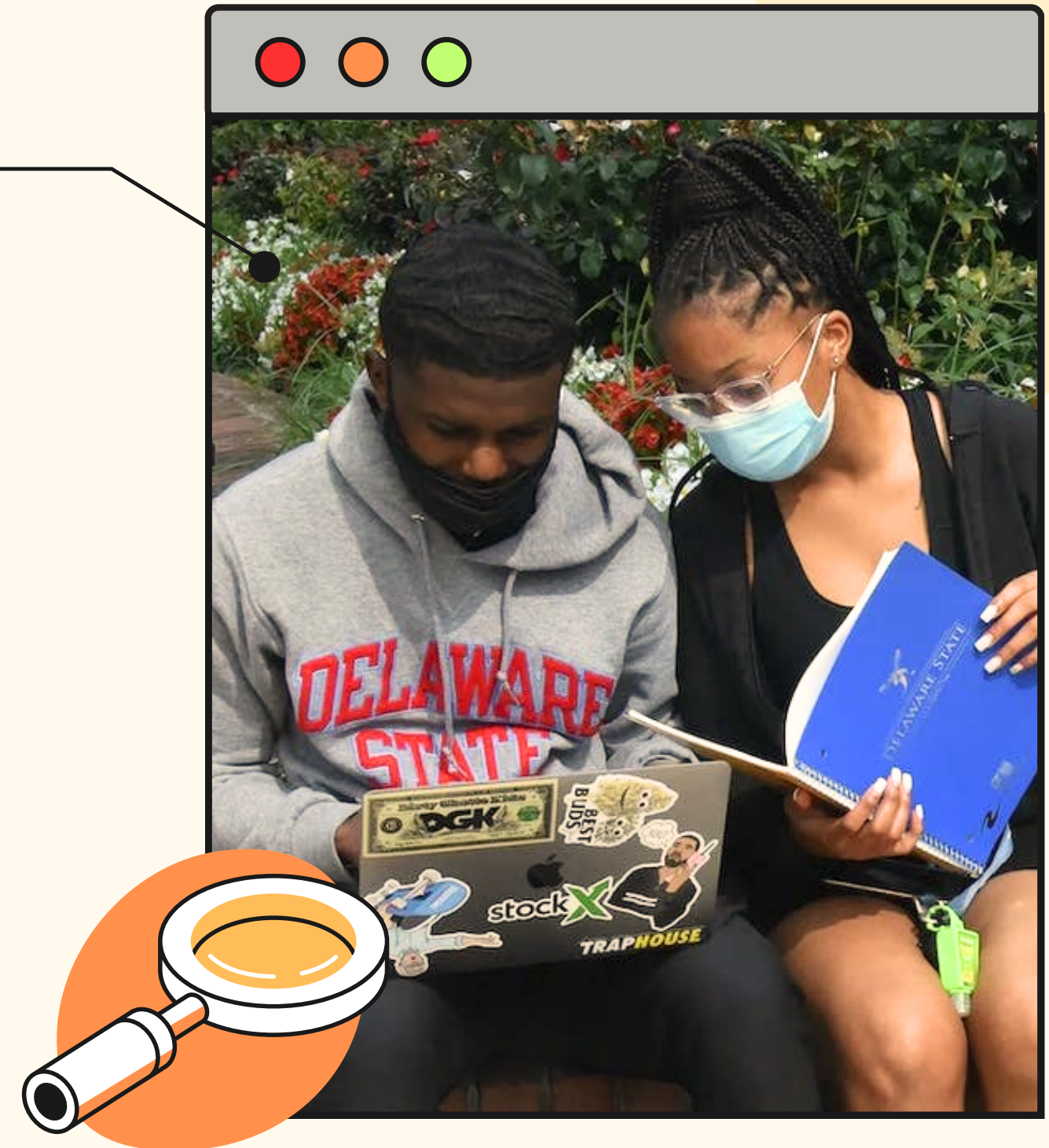


INTRODUCTION



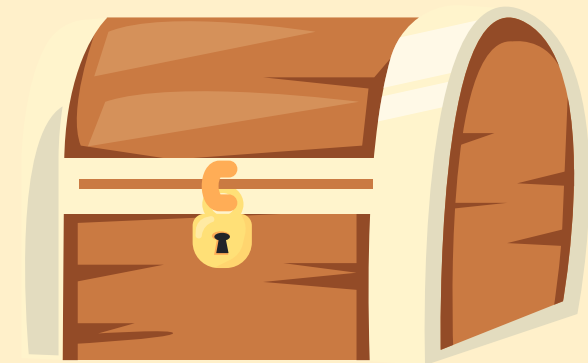
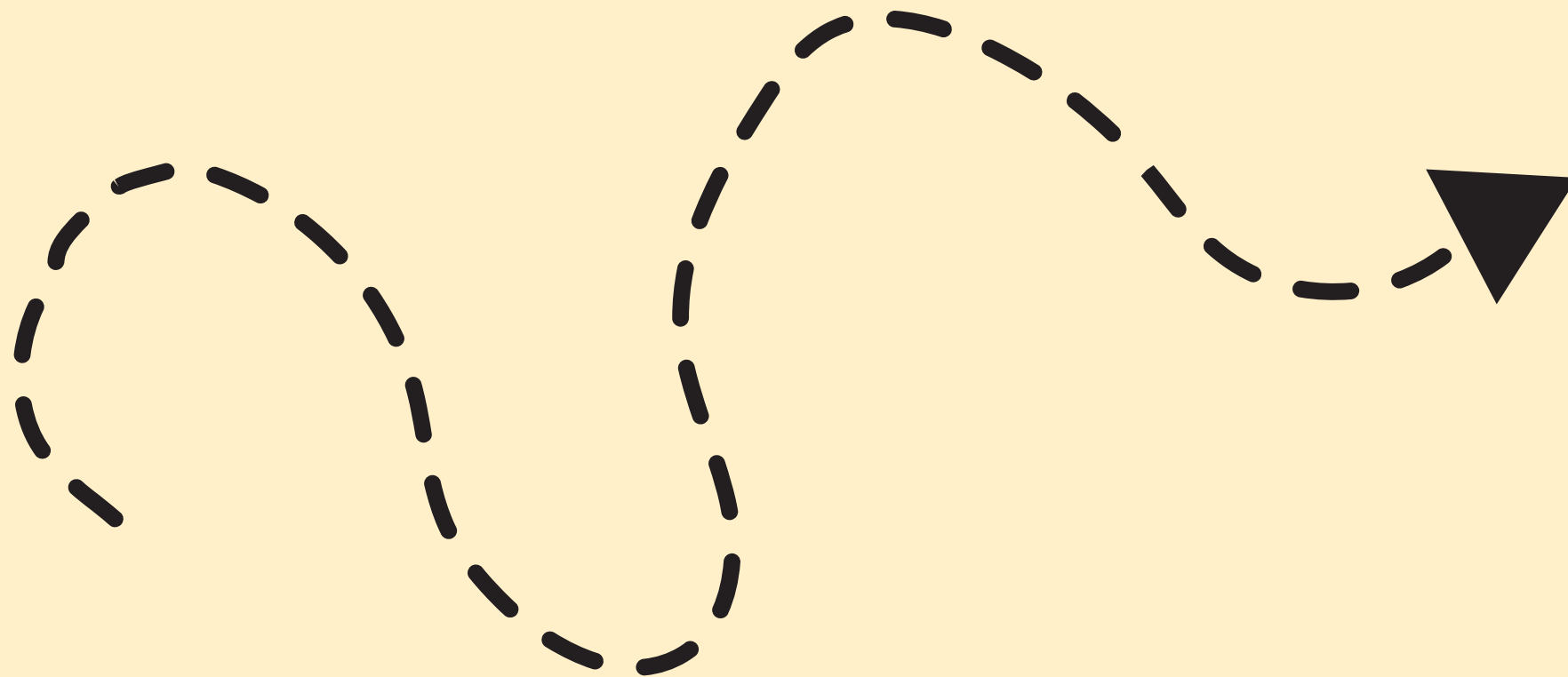
PROBLEM STATEMENT

DSU Freshmen need a fun scavenger hunt game that will introduce them to the offerings and services on the campus, because it will allow them to familiarize themselves with the campus for the near future.



CONCEPT

Scavenger Hunt for incoming DSU students



SCRUM METHODOLOGY

BRAINSTORM

As a group, collectively coming up with an effective use for a P2P network here at DSU

HOW MIGHT WE

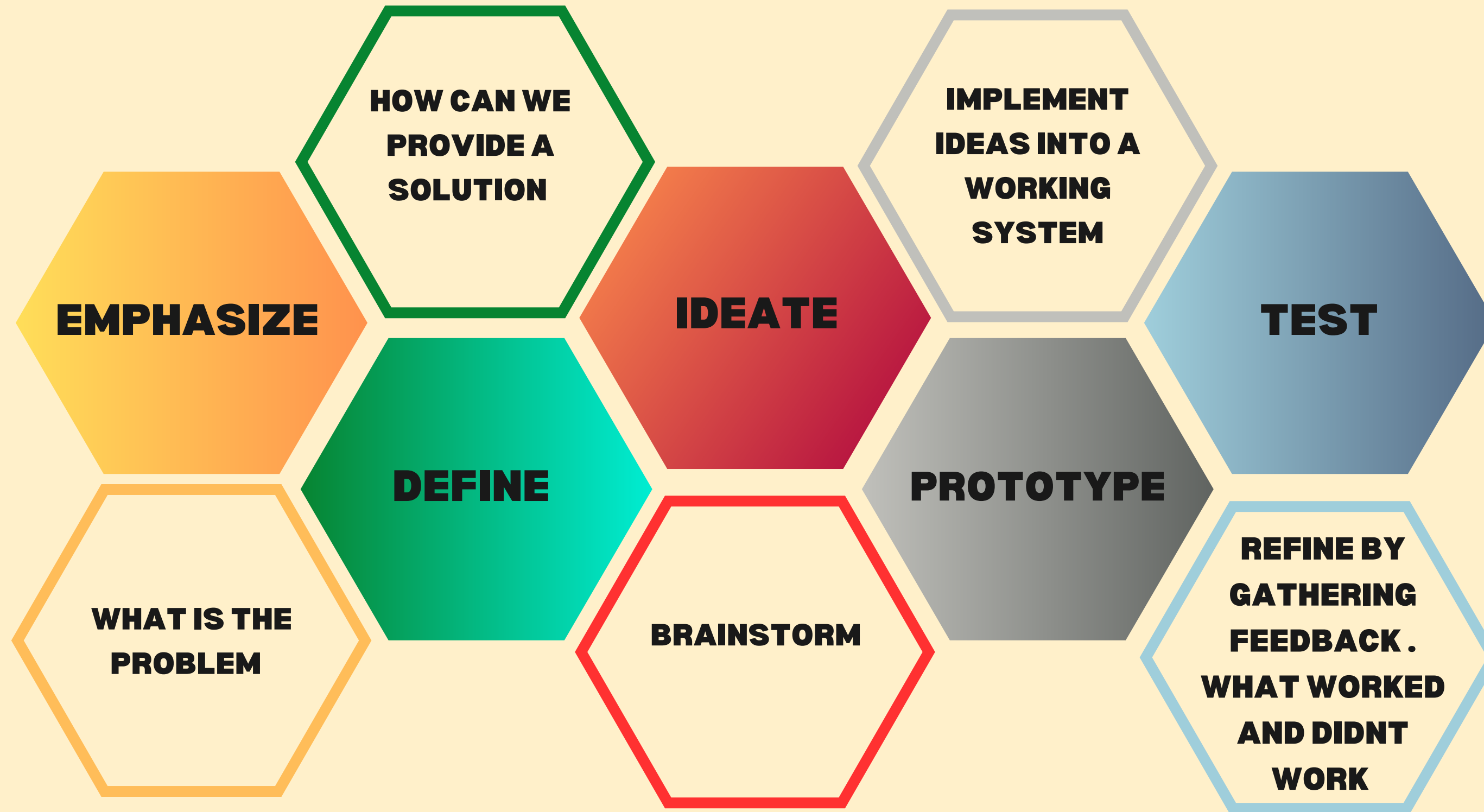
Taking the time to develop How Might We questions to assess each step of our creative process.

USER STORIES

Creating thorough user stories that lead us to first steps in the build of our Scavenger Hunt

Sprint Planning

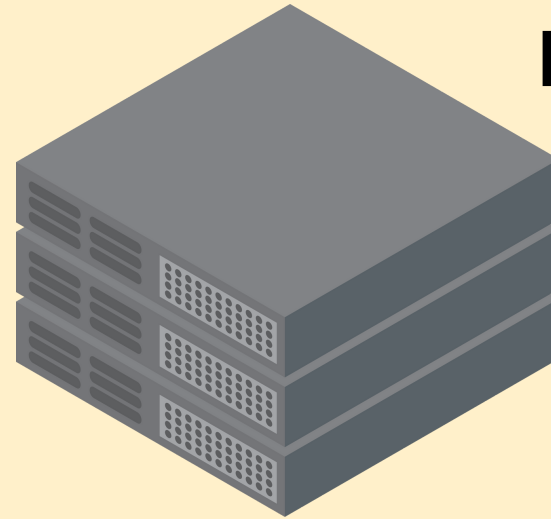
DESIGN THINKING



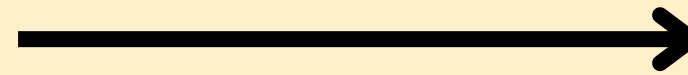
DESIGN PROTOCOLS

INITIAL CONNECTION

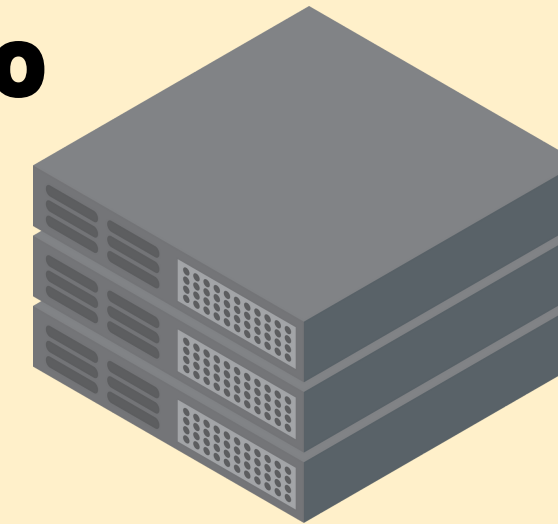
**UDP
SERVER 1**



**HELLO! I WOULD LIKE TO
CONNECT**



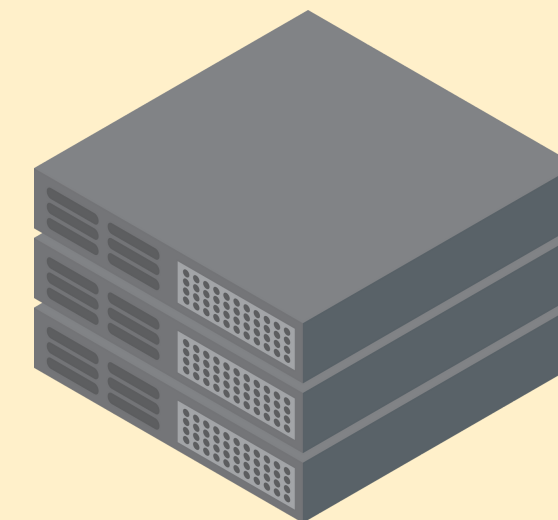
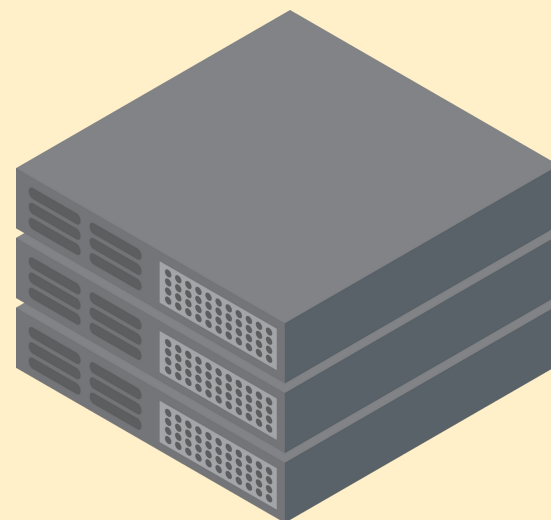
UDP CLIENT



**OK, HERE'S THE INFO TO
VERIFY OUR CONNECTION**

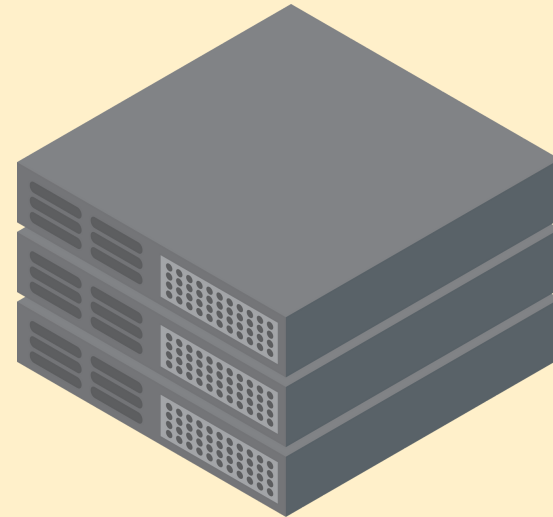


OK, I RECEIVED IT!

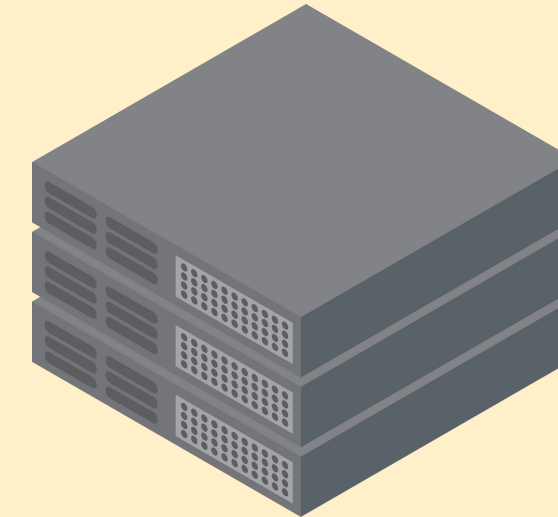


INITIAL CONNECTION

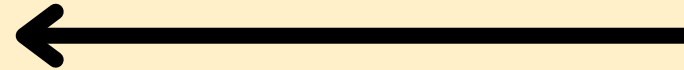
**UDP
SERVER 1**



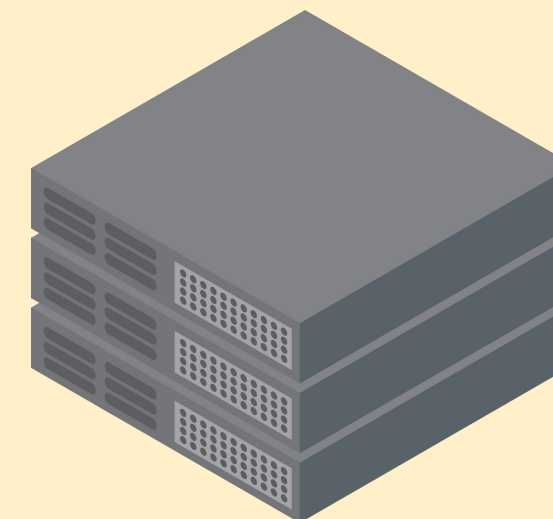
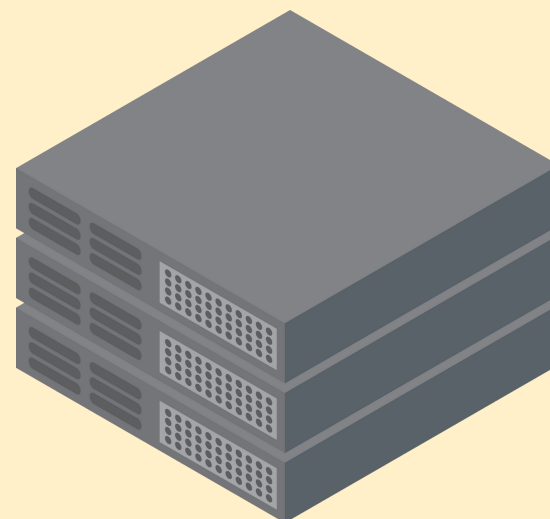
**UDP
CLIENT**



**NICE, HERE'S
THE INFO ON
THE PEER, &
THE QUESTION
THEY ARE ON**

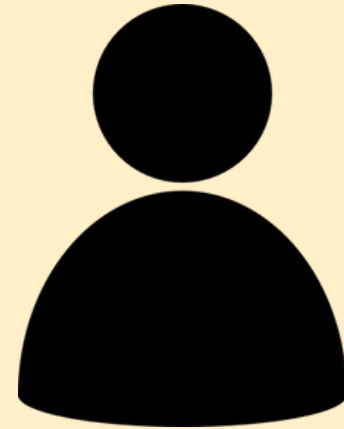


OK, I GOT THE INFO!!

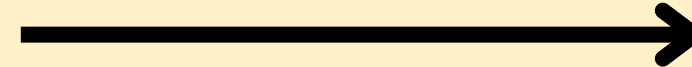


CORRECT RESPONSE

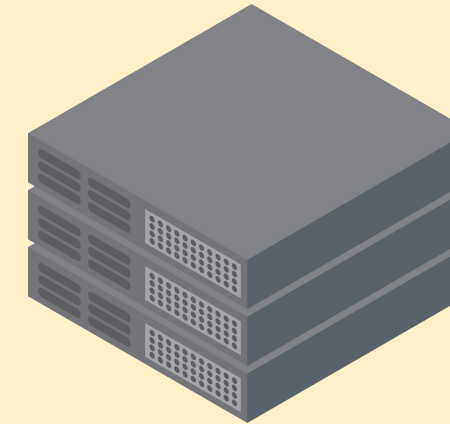
STUDENT



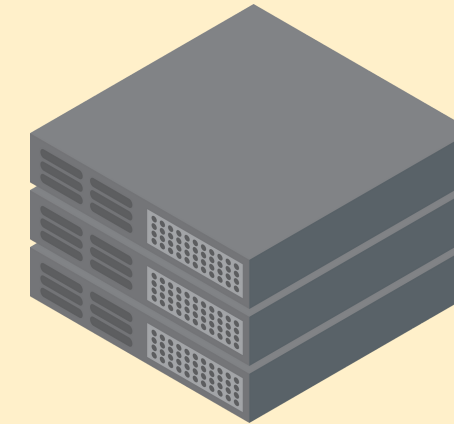
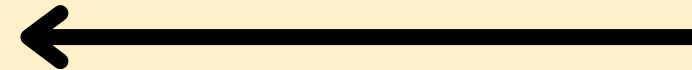
**HELLO, I'M
GOING TO SEND
MY
VERIFICATION**



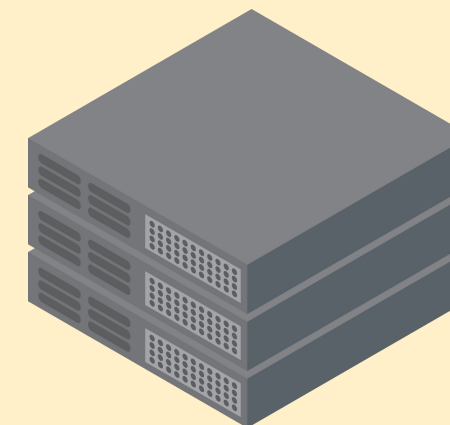
SERVER



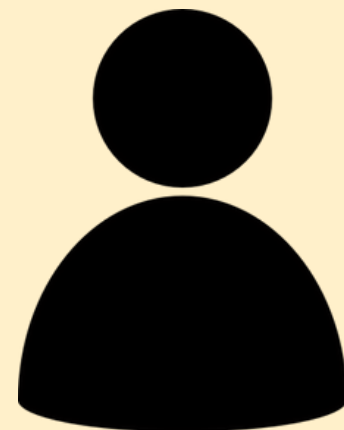
**OK, GOT IT
WHAT IS YOUR
ANSWER TO
THIS
QUESTION?**



ANSWER GIVEN.

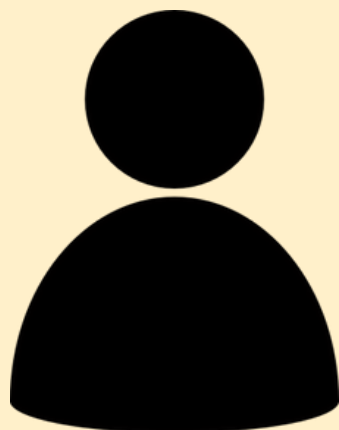


THAT'S RIGHT.



INCORRECT RESPONSE

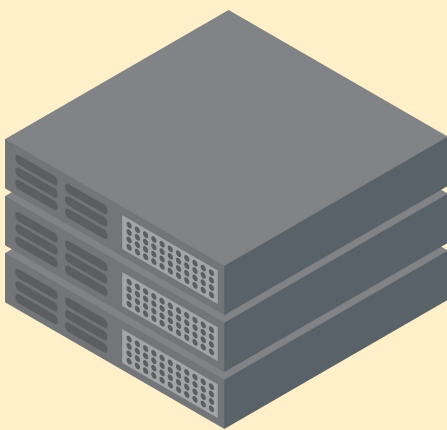
STUDENT



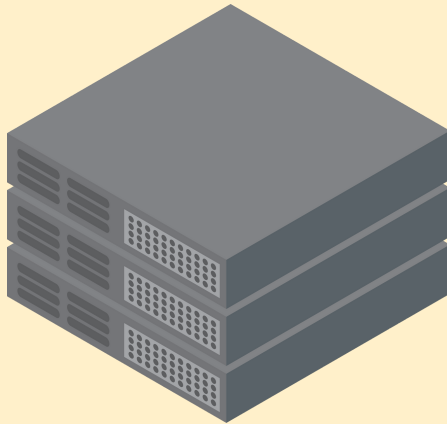
**HELLO, I'M
GOING TO SEND
MY
VERIFICATION**



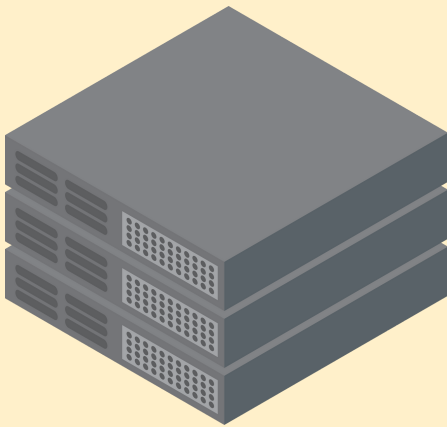
SERVER



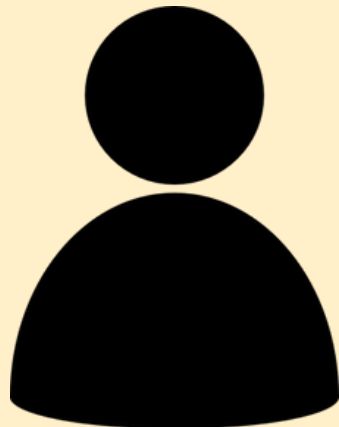
**OK, GOT IT
WHAT IS YOUR
ANSWER TO
THIS
QUESTION?**



ANSWER GIVEN.

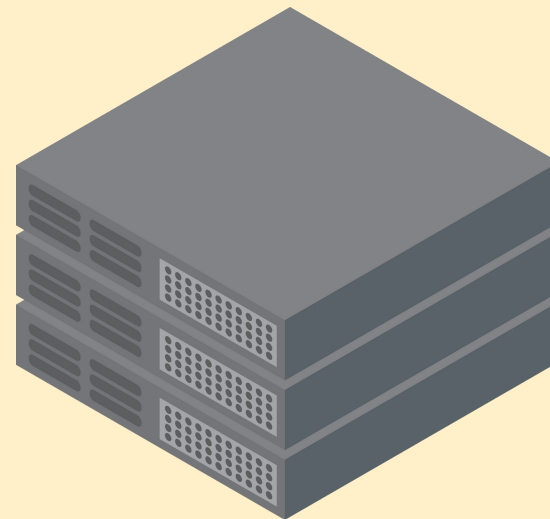


NO, SORRY, TRY AGAIN.



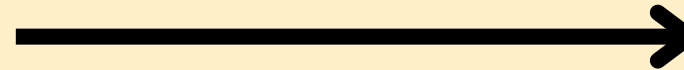
CLOSE SOCKET

**UDP
SERVER 1**

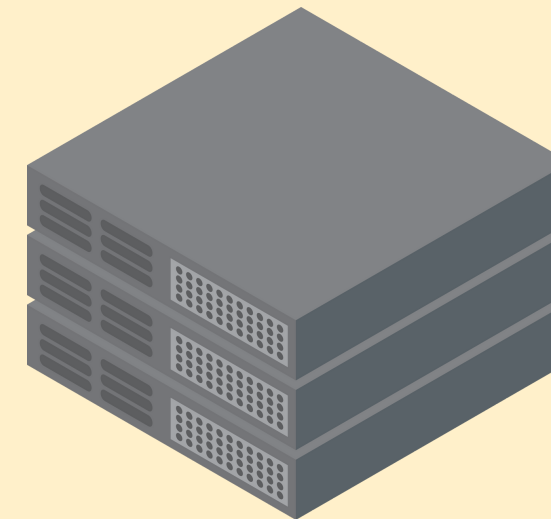


**HEY, ALL
QUESTIONS HAVE
BEEN COMPLETED.**

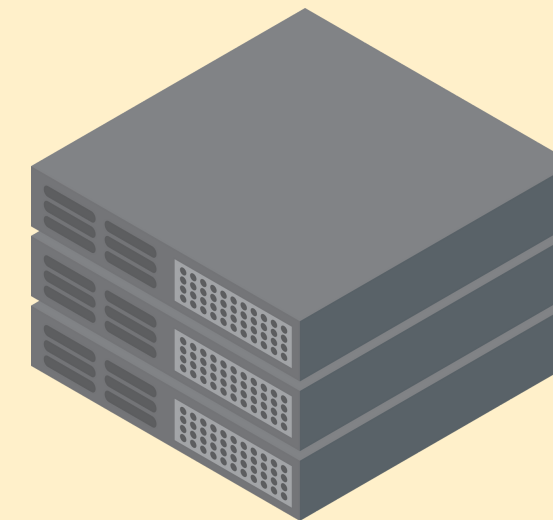
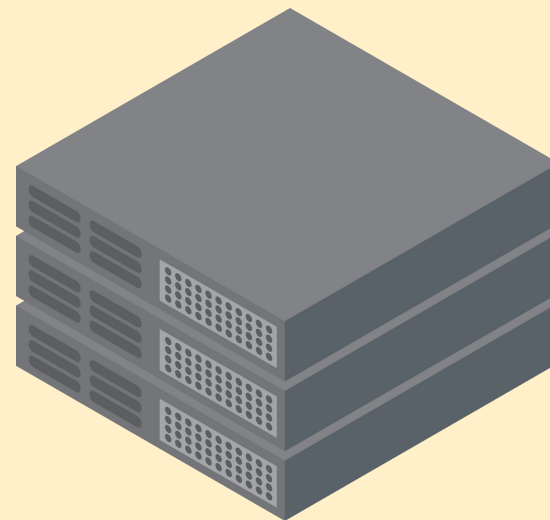
**YOU CAN
SHUTDOWN OUR
CONNECTION**



**UDP
CLIENT**

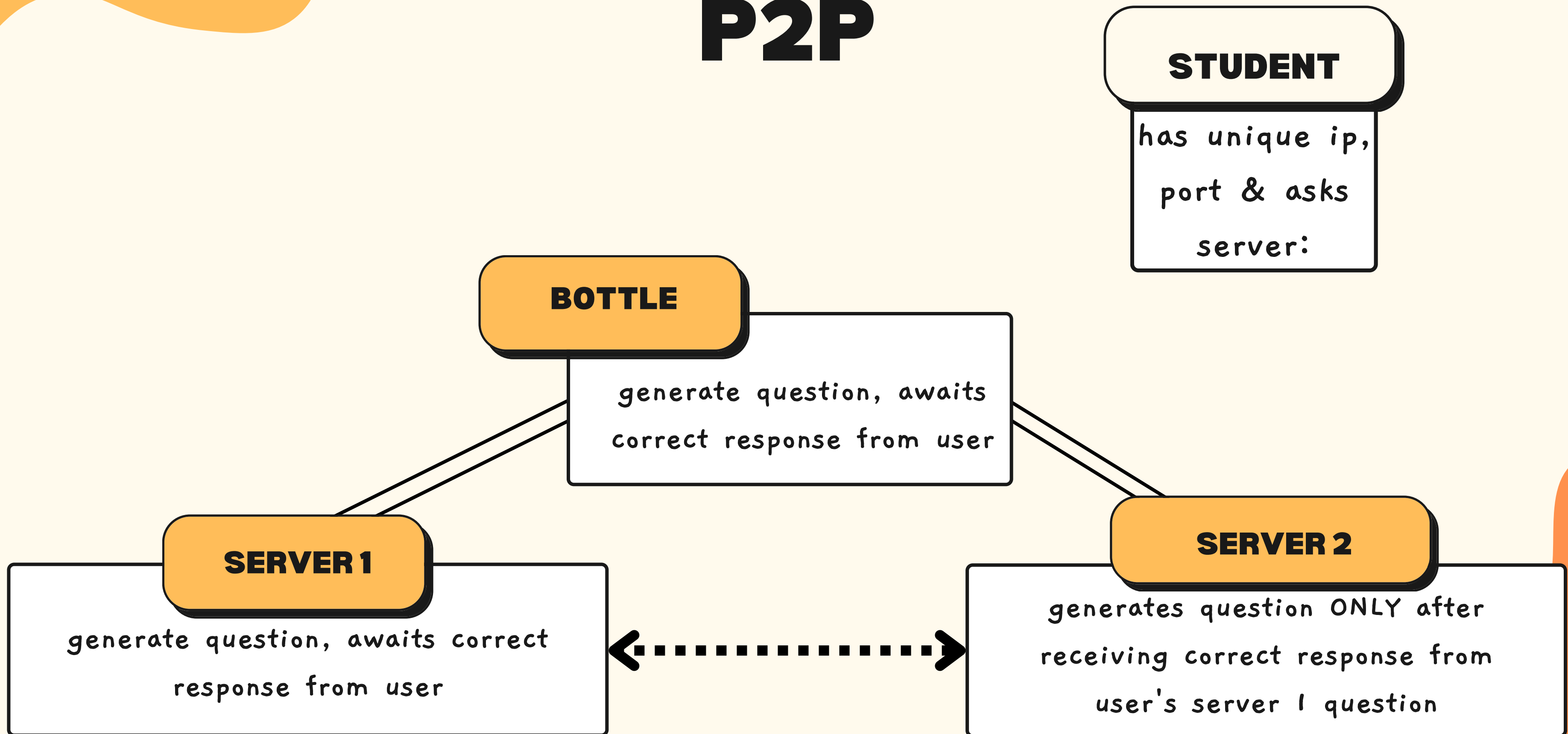


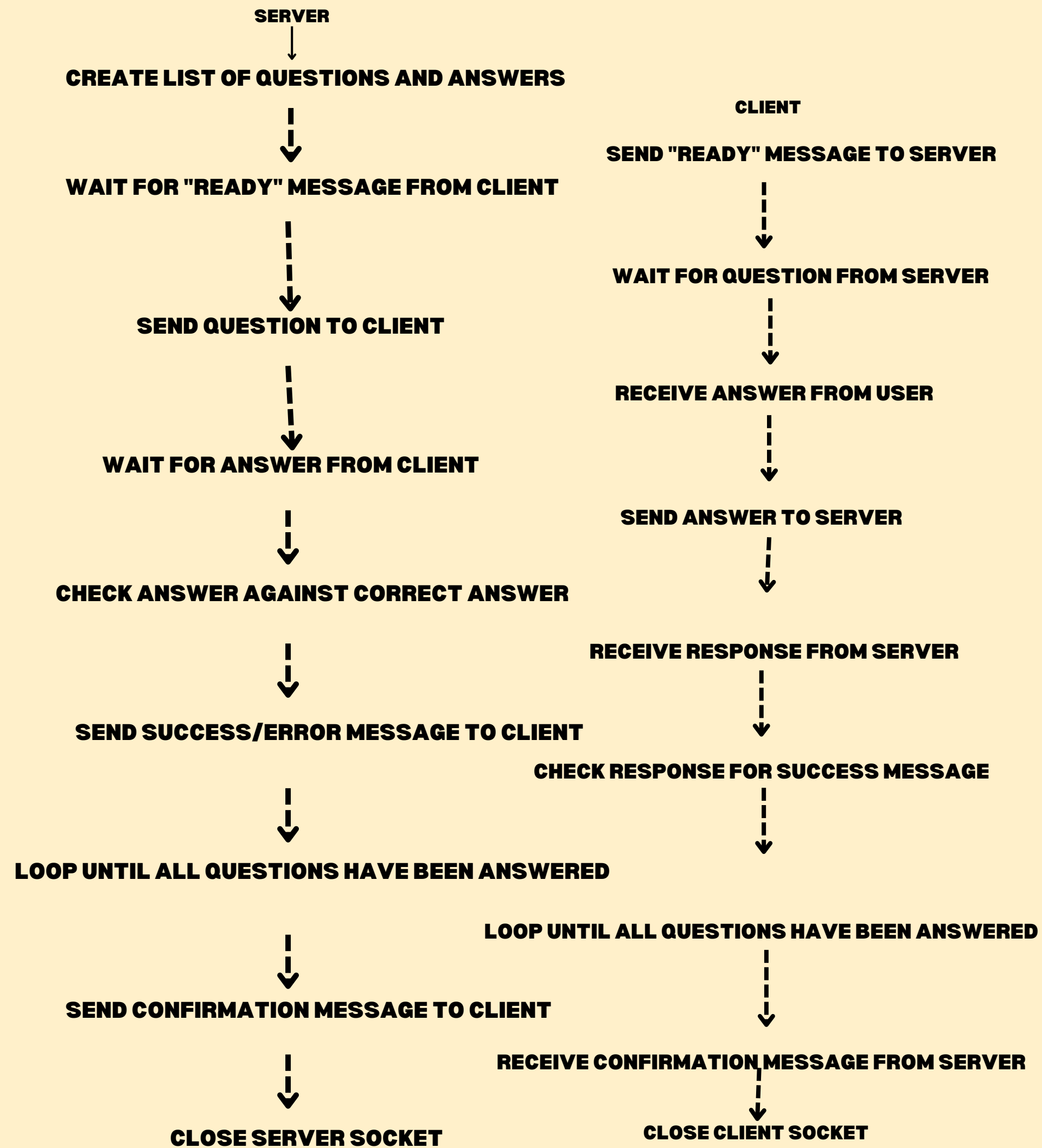
**OK, WILL DO.
SHUTTING
DOWN OUR
CONNECTION**



SYSTEM ARCHITECTURE

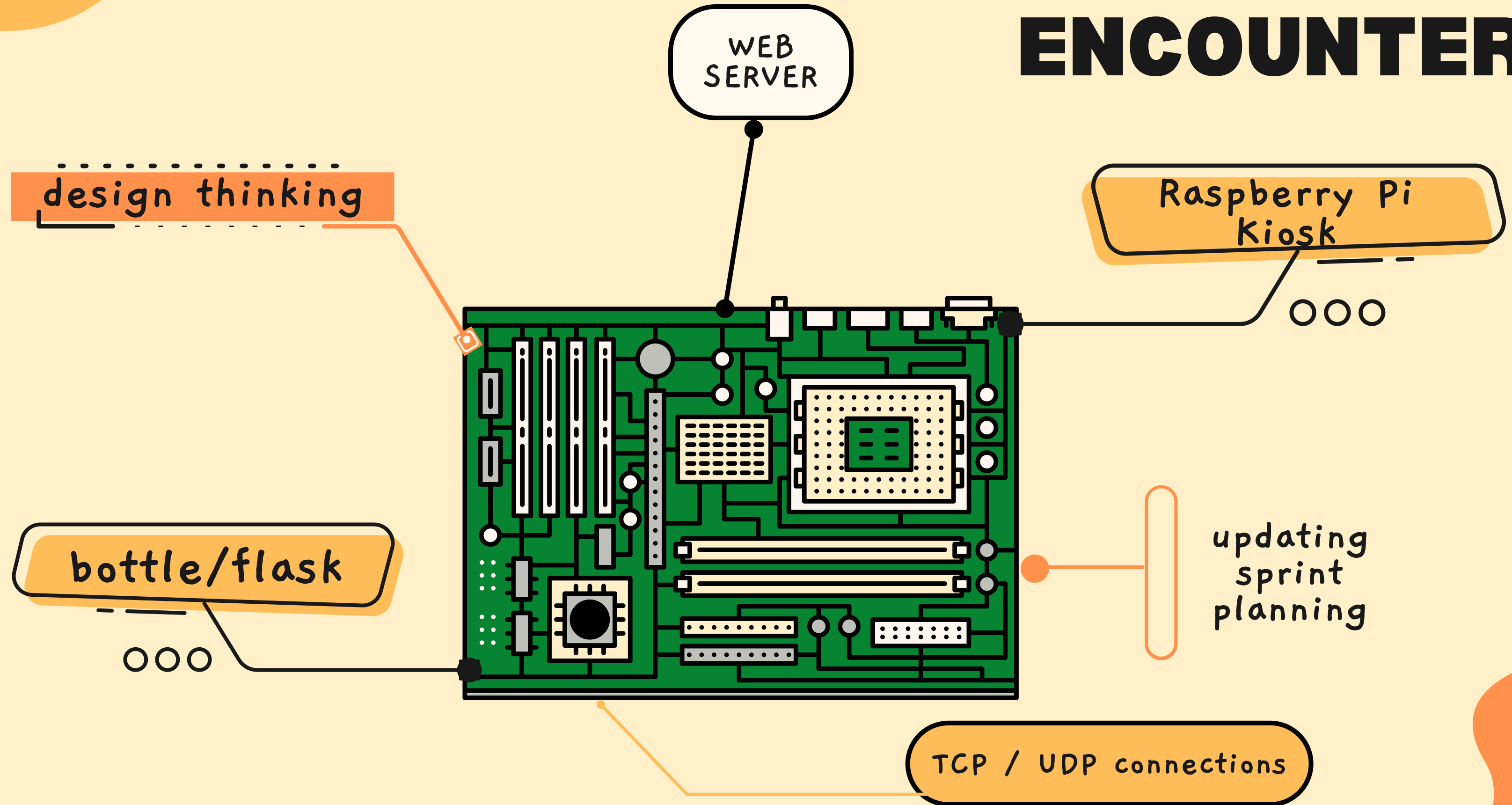
P2P





DEMO

CHALLENGES ENCOUNTERED



ROLES

TAVIANNE

design protocol, Bottle framework,
user stories

AKAI

coding function for
questions

DARIAN

Bottle/flask, Design Protocol,
Server/Client, Setup Kiosk

JESSICA

User stories, how
might we

Q'LAE

Coding the UDP servers
for the scavenger hunt



CONCLUSIONS

There are many ways of utilizing a P2P network at DSU, and we decided it would be best used to inform and teach incoming students about the campus and its history in a fun way.

- Understanding UDP and TCP uses/functions
- researching methods of implementation
- collaborating amongst one another



Thank you