

coviRUs

CAMILLE CIGARAL HARIKA KASIREDDY NABIHA YOUSUF JINGYUAN GUO

Background (Camille)

PROBLEM?

- Rutgers University needs a solution to help delay the spread of COVID, prevent future campus shutdowns, and to help students, faculty, and staff, feel safer on campus.

PAIN POINTS?

- There is limited access and availability of food, both on campus and nearby.
- The current Rutgers mobile app is difficult to navigate, especially regarding latest COVID updates.
- Knowledge of access to on-campus facilities, such as printing labs, is unclear.

SOLUTION?

- To develop a mobile app that focuses on the needs of the Rutgers on-campus community to help them feel both well-informed and safe during the COVID pandemic.

Questions (Harika)

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Vision-->Target Audience-->User Problem-->Strategy--> Goal

WHAT- Knowing What's Open and What's Happening on Campus Related to Covid, Facilities, Food, Etc.

WHO- Rutgers Students (Primarily On Campus)

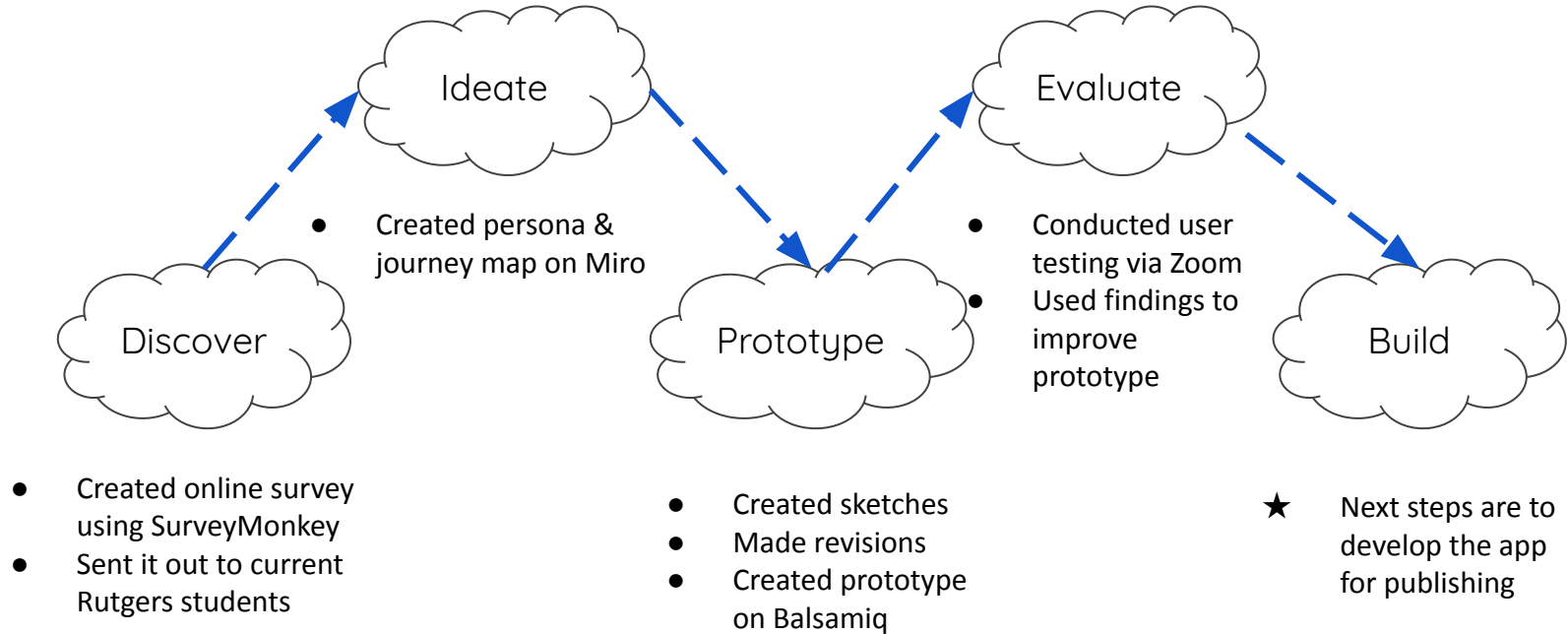
WHEN- During COVID-19 Pandemic

WHERE- Rutgers University- New Brunswick

WHY- Build Easy to Use Resource for Open Facilities, More Convenient Food Delivery/ Pickup Options, COVID Updates (Info, Vaccination/Symptoms Logs, Etc) That current Rutgers App does not provide

Design Process (Camille)

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Methods(Nabiha)

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DONE ON OUR MAIN PRESENTATION

Data Gathering/ Results Explanation (Harika)

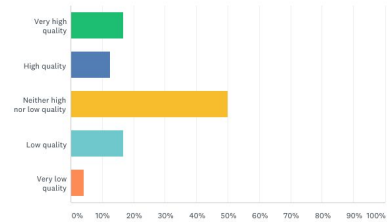
Survey Data (24 Responses):

- Standardized and Non Standardized Questions
 - Qualitative (why,how) vs Quantitative (how much)
- Following Likert Scale: 5+ answer options
- Attitudinal(say) vs Behavioral (do)
- Why were these questions asked? Were the answers valid
- Avoiding Researcher and Respondent Bias

Standardized Question Data (Harika)

How do you feel about on-campus transportation? i.e safety, route, cleanliness

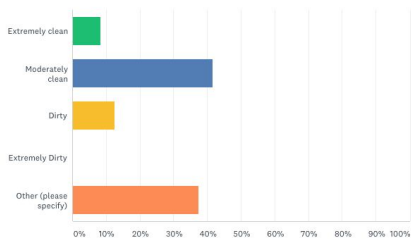
Answered: 24 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very high quality	16.67%	4
High quality	12.50%	3
Neither high nor low quality	50.00%	12
Low quality	16.67%	4
Very low quality	4.17%	1
TOTAL		24

How do you feel about the sanitation processes on campus/dorms? Which facilities do you use on-campus (Enter comment section)

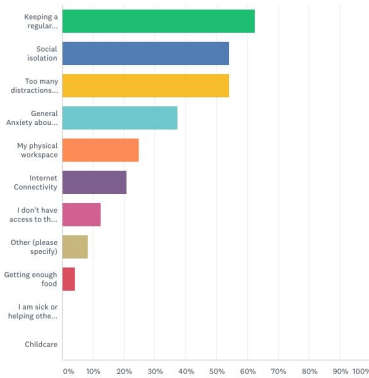
Answered: 24 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely clean	8.33%	2
Moderately clean	41.67%	10
Dirty	12.50%	3
Extremely Dirty	0.00%	0
Other (please specify)	37.50%	9
TOTAL		24

What are the biggest challenges you are currently facing while studying/working from home?

Answered: 24 Skipped: 0

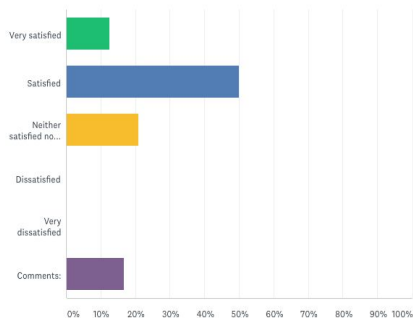


ANSWER CHOICES	RESPONSES	
Keeping a regular schedule	62.50%	15
Social isolation	54.17%	13
Too many distractions at home	54.17%	13
General Anxiety about the impact of coronavirus on my life	37.50%	9
My physical workspace	25.00%	6
Internet Connectivity	20.83%	5
I don't have access to the tools or information I need to do my job at home	12.50%	3
Other (please specify)	8.33%	2
Getting enough food	4.17%	1
I am sick or helping others who are sick	0.00%	0
Childcare	0.00%	0

Standardized Question Data Con't (Harika)

How do you feel about the campus enforcement on social distancing/ mask protocols?

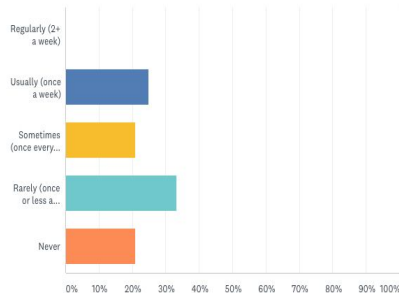
Answered: 24 Skipped: 0



ANSWER CHOICES	RESPONSES
Very satisfied	12.50% 3
Satisfied	50.00% 12
Neither satisfied nor dissatisfied	20.83% 5
Dissatisfied	0.00% 0
Very dissatisfied	0.00% 0
Comments:	Responses 16.67% 4
TOTAL	24

How often do you get tested?

Answered: 24 Skipped: 0



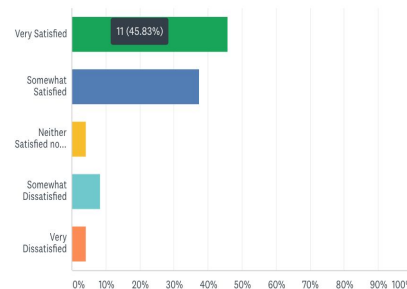
ANSWER CHOICES	RESPONSES
Regularly (2+ a week)	0.00% 0
Usually (once a week)	25.00% 6
Sometimes (once every couple weeks)	20.83% 5
Rarely (once or less a month)	33.33% 8
Never	20.83% 5
TOTAL	24

Q2

Customize Save as

How satisfied are you with your home arrangement?

Answered: 24 Skipped: 0



ANSWER CHOICES	RESPONSES
Very Satisfied	45.83% 11
Somewhat Satisfied	37.50% 9
Neither Satisfied nor dissatisfied	4.17% 1
Somewhat Dissatisfied	8.33% 2
Very Dissatisfied	4.17% 1
TOTAL	24

Non- Standardized Question Data (Harika)

Demographics:

Age- 18(3), 19 (3), 20(3), 21(2), 22(4), 23(1), 24(1), 25(3), 26(1), 27(1), 34(1), 40 (1)

Education- College, Completed An Associates, Masters Student; Bachelors; Masters; PhD Student; Masters; Masters; Masters in Chemistry; Pursuing Masters; Some College; In College; Some College; College; Business; High School

Degree; Rutgers; Rutgers University; Undergrad; Bachelors Program; Bachelors; Rutgers Masters

Employment Status - Student (2), Full Time Student Looking for Job (1), Unemployed(8), Full Time(3), Part Time (2), Employed(5), Self Employed(1), Teaching Assistant (1), Dismission (1)

Gender- Male (10), Female (13), NonBinary (1)

Race- Asian (11), Indian (2), Black(2), Hispanic (2), White(5), Caucasian (1), Mixed(1)

Relationship Status- Single (15), Married (2), Relationship (3), Girlfriend (1), Committed Relationship (1), Taken (1), Dating (1)

What school or university do you attend?

Rutgers University- NB (21), SEBS at RU-NB (1), Boston University (1), University of Tulsa (1)

Non- Standardized Question Data (Harika)

How do you feel about your quality of education in these circumstances?

1) 3/5

2) I feel like my education is still good overall. I do have issues with maybe 1 or 2 classes since COVID has started but generally, my classes have been good and I've still learned a lot.

3) It's good, but I would prefer some classes to have more interaction with the professors instead of recorded lectures and office hours. Though it's flexible I feel I don't get as much out of the class

4) Very good

5) Not well

6) Not as satisfied as studying on campus

7) Overall it is good. The college has provided what they can do the best.

8) The learning quality has been dropping, same as the teaching quality

9) I can't comment on this as this is my first time school in the United States.

10) I still feel like I am genuinely learning the content, I do prefer in-person video classes though rather than recorded for at least the important courses of my concentration.

11) It's as good as it can be.

12) Definitely not as good as it could've been had it been in person

13) It's not bad, but the social isolation is burning me out faster vs traditional semesters.

14) Very good

15) Okay

16) 8/10

17) Overall a medium quality education. There are many other subjects or independent learning I could do outside of college due to the remote manner.

18) Ok but definitely can be a lot better

19) It could be better.

20) Shit

21) What quality? I can't find it

22) Not as good as it was in person.

23) good

24) Even though everything is remote I still feel like I'm getting a quality education

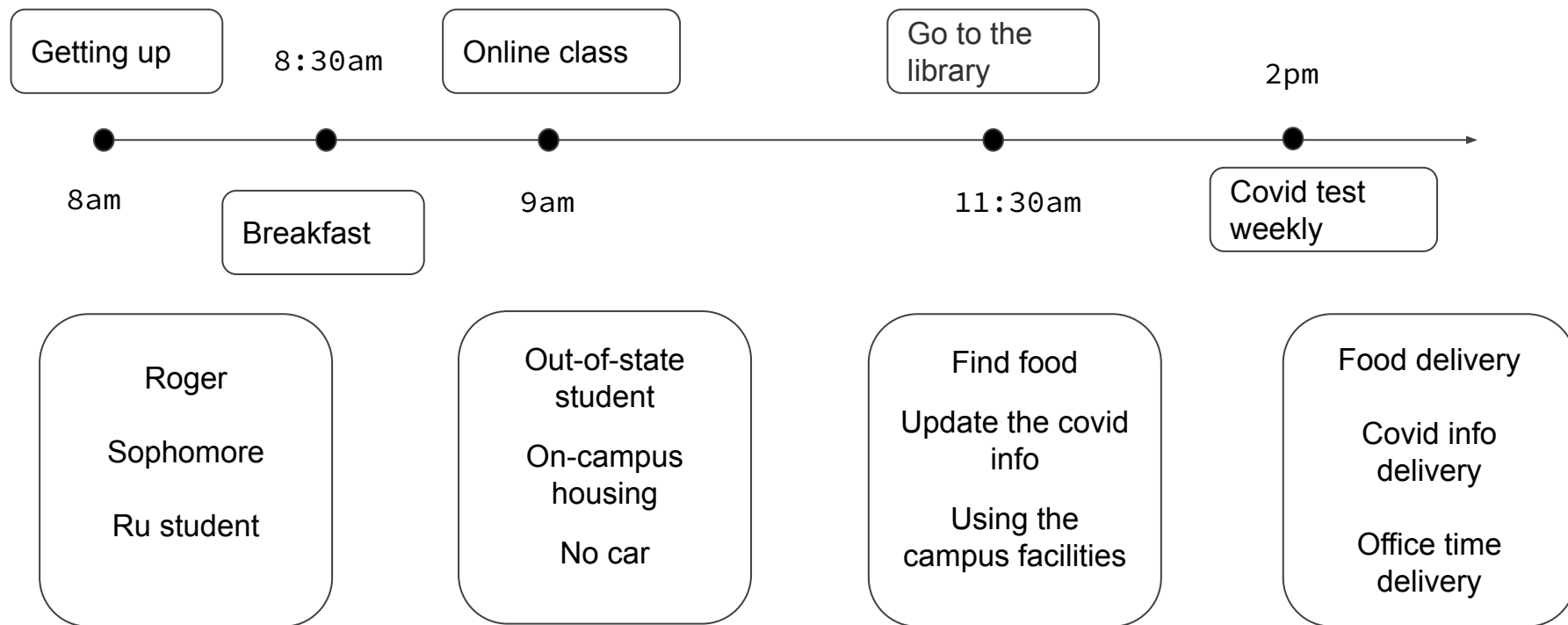
Non- Standardized Question Data (Harika)

Would you prefer remote learning versus on campus learning based on your living situation? Why?

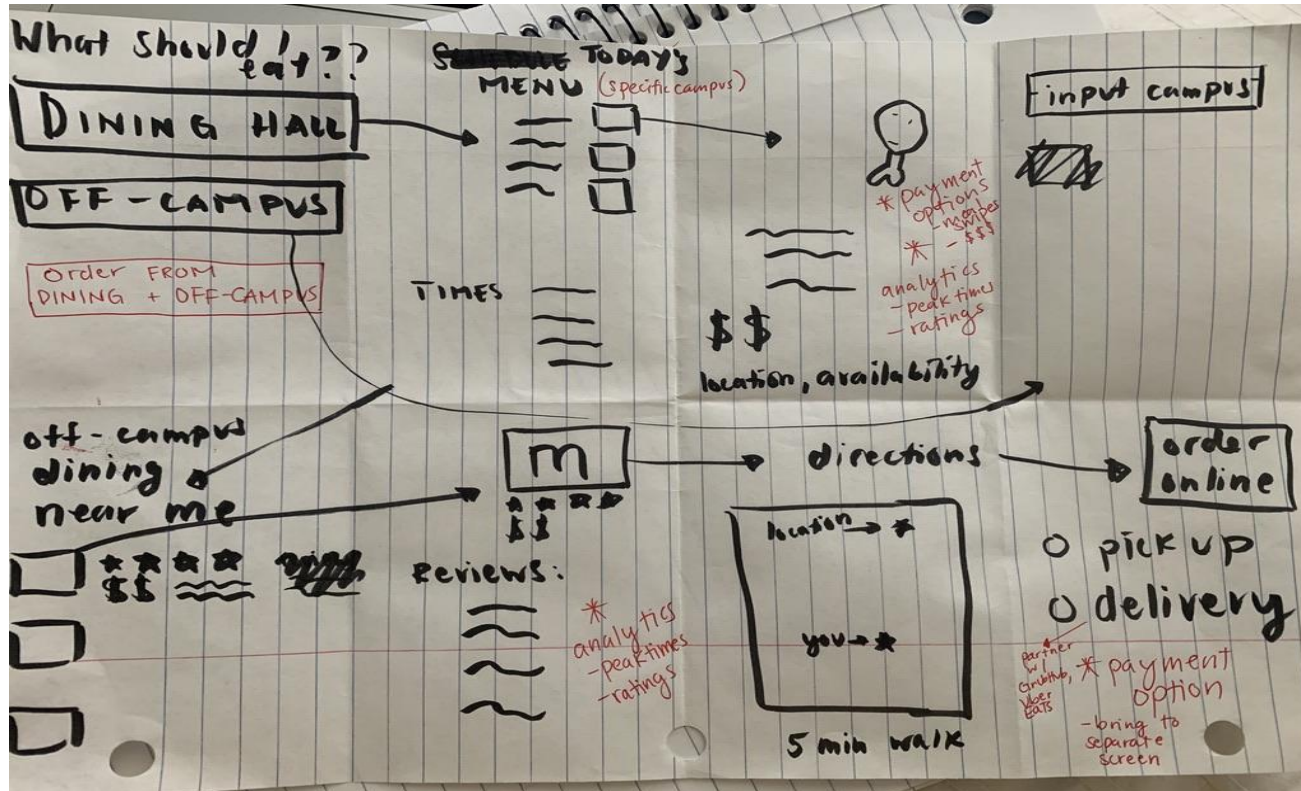
- 1) campus - meet people, leave house
- 2) Remote Learning. I live really close to the school actually but remote learning is a lot more flexible for me with my work schedule.
- 3) Hybrid because saves time commuting but there are benefits to in person learning
- 4) Yes
- 5) No, I want to meet my friends on campus
- 6) No, little interaction with the instructors. Limited access to university resources.
- 7) Both are good in their own ways. Remote learning is good because I can avoid travel and utilize that time for personal work. On the other hand, Campus learning is good because I get to know people, build network and make friends.
- 8) I like the option of both, it makes for a more versatile program for everyone.
- 9) On campus. Because in person helps me focus and easy to communicate with prof/classmate
- 10) Remote, more free time and classes are easier
- 11) I live offcampus in a house with my friends so its kind of the best of both worlds
- 12) Campus learning
- 13) remote. 10x easier
- 14) I would prefer on campus or off campus housing. Even if the learning environment is remote.
- 15) I like a hybrid of remote and in person, making the more important and harder classes in person while taking easier ones online
- 16) it's a mixed bag. i'm an art major so being remote can be difficult, especially if our peers can't see our work in person and accurately critique our work. on the other hand, there's less of a chance of me getting sick (high risk) and I was able to get out of my abusive household.
- 17) Yes because I am saving money and I know that I won't be endangering my family and others with Covid-19.
- 18) No
- 19) ON CAMPUS cuz I can actually focus and not have to worry about my parents yelling at me to do the most stupid chores (esp when I was scheduled to be on campus....then they cancelled it). I wanna kms so badly
- 20) Remote learning is better for me because in this way I don't need to spend time on the traffic.
- 21) Campus based learning, it's more productive and less distractions.
- 22) on campus; i pay more attention and it makes you feel interacted with the school
- 23) During COVID times I would prefer remote learning, if COVID was not a thing I would prefer on campus learning.

Persona (Roger)

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
Sketch #1 (Camille)



- Focused on food pick-up and delivery for both on-campus and off-campus dining options

Sketch #2 (Camille)

~~12:00 PM~~

DATE / TIME  WEATHER

COVID

FOOD

SCHOOL

COVID

daily Campus Updates

Facility crowd meters

daily symptom log


Vaccination ID


request test kit

ask a nurse

contact questions

FACILITY CROWD METERS

DINING HALL 

GYM 

FOOD

DINING HALLS

PICKUP **delivery**

OFF-CAMPUS OPTIONS

PICKUP **delivery**

GROCERIES

















































Near me

DINING HALL

Campus

HOURS **PICKUP**

TODAY'S MENU


SCHOOL


CLASS SCHEDULE


UPCOMING HW

TIME MANAGEMENT TIPS/TRICKS

CONNECT

 reddit


 discord

 IG

ASK A TUTOR































TIME MANAGEMENT TIPS/TRICKS

TIMER






MANAGEMENT TIPS/TRICKS

ORGANIZER

Suggested apps:



























Name

Grade

RVID

Vaccinated? ☐ yes ☐ No

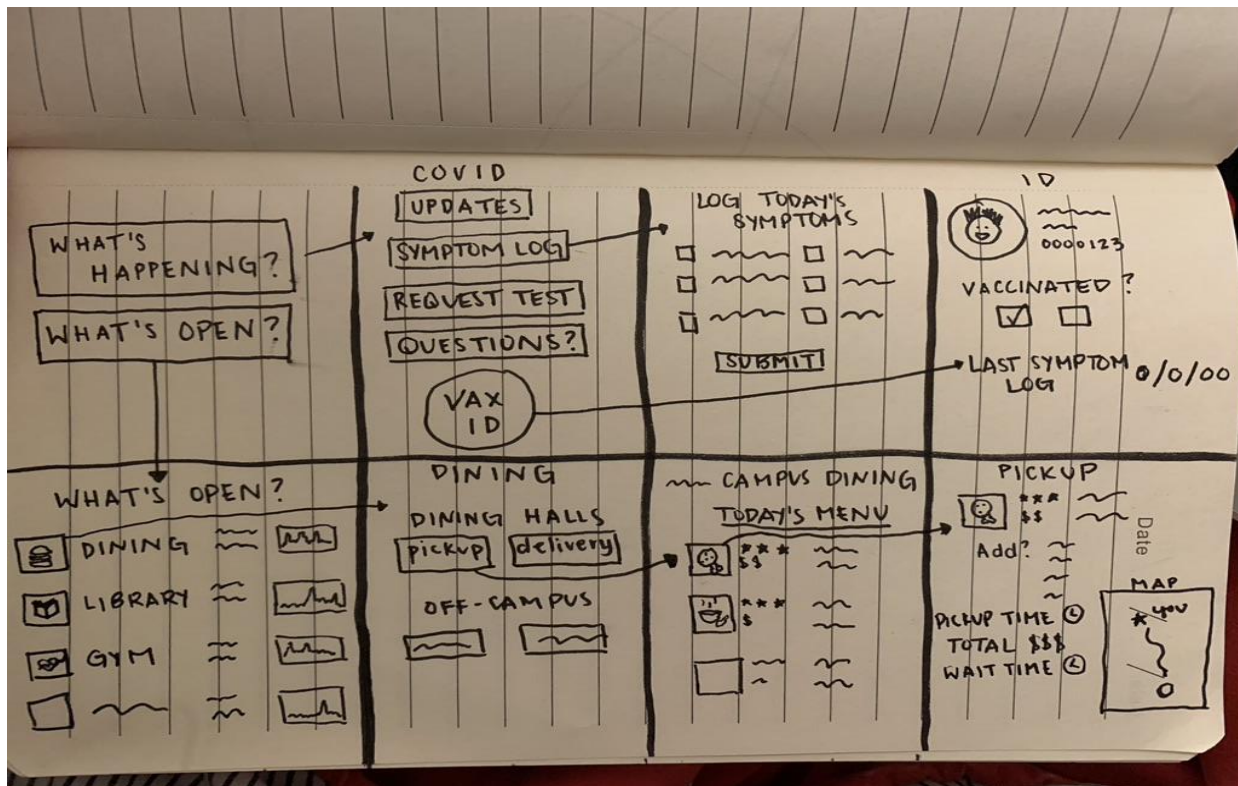
Today's symptoms:

Contact health services

- Based on peer feedback, made sure to add features related to COVID updates
 - Daily Symptom Log
 - Vaccination ID

Sketch #3 (Camille)



- Final revision for prototype creation on Balsamiq
- Removed some features to “declutter”

Prototype 1, 2, 3 (Nabiha)

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COMPLETED ON OUR MAIN PRESENTATION SLIDES

Design Derivation (Nabiha)

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COMPLETED ON OUR MAIN PRESENTATION SLIDES

Modifications: User Testing Results (Nabiha)

— — —

COMPLETED ON OUR MAIN PRESENTATION SLIDES

Analysis: What Did We Learn

How Will We Help?

- Timely update the campus epidemic info
- Provide on-campus food delivery
- Provide medical support
- Summary of campus facility usage status

What Will this Change?

- Keep student safety in campus
- Keep to provide educational Support in epidemic
- To ensure students' quality of life

Future Enhancements

- Optimize application structure
- Add more helpful function
 - Covid exposure alert system
 - Virtual recreation service
 - Online “Clubhouse”
- Expand target user
 - Faculty and staff
 - Off-campus student

Thank You!