



# NEU HACKERS

Builder's Dojo

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# Agenda

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# 1. BACKGROUND AND MOTIVATION

We are all curious and eager to learn more about computer science. Students as beginners often struggle with finding reliable and relevant information, resources, and guidance for their classes, assignments, and projects

Questions of	Ask whom	Tools
Class	Ask Professor and TA	 
Assignments	Ask TA and classmates	 
Projects	Ask the Internet	 
Job-hunting	Ask senior students, alumni	 

## 2. PROBLEM STATEMENT

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There are many challenges Students are facing in advancing their technical skills and pursuing career success. They need a **converged platform** to seek help and support.

### Low Efficiency in finding resources

- Students struggle with finding reliable and relevant information, resources

### Communication Barriers

- Feel pressure when asking questions to professors and Tas, but comfortable discussing with peers

### Limitation on Information Sharing

- Information and resources are kept personal or separated in different tools, seldom be shared with others.

### Community Building

- Not yet built a community for learning and sharing

## 3.1 PRODUCT INTRODUCTION –BUSINESS GOAL & LOGO



A social learning platform “NEU Hackers”, is a converged platform that solve all the bottlenecks for students during their journey in being success in Tech.



ask any question related to computer science, academic issues and job-hunting



get answers from their peers and experts



submit links of useful resources (articles, videos, podcasts, etc.) that can help peers learn more



N, stands for NEU

N, stands for New, as we are new hackers stay hungry in learning new things

N, formed by ] \ [  
Marks that seldom being used unless you work in tech and do programming

## 3.2 PRODUCT INTRODUCTION – TARGET USER



At Phase 1, our product is targeting to MSIS student in San Jose Campus.

### A Persona of NEU Hackers User



From Unsplash

Current Status

23 Spring MSIS Student at San Jose Campus

Previous Education

MS in Finance

Working Experience

Worked in finance industry as a business analyst for 1 – 2 years

Technical Skills

Java, Python in fundamental level

Career Goal

Software Engineer

Interested Areas

Software engineering, FinTech

Issues

Do not know how to develop her python skill  
Struggling with Cloud Computing Assignments  
Have difficulty in connecting alumni students working in FinTech

### 3.3 PRODUCT INTRODUCTION – FEATURES



NEU Hackers provide functions that enable students to connect and communicate on the platform anytime anywhere.

#### Functions

User Register/Login/Logout	With public user profiles for connection
Show Stories	Supports Sorting, Time range, Searching
CRUD New Story	Create/Read/Update/Delete story posts and comments Also supports editing in Markdown syntax
Comment	
Vote	Vote to make a story/comment show on top

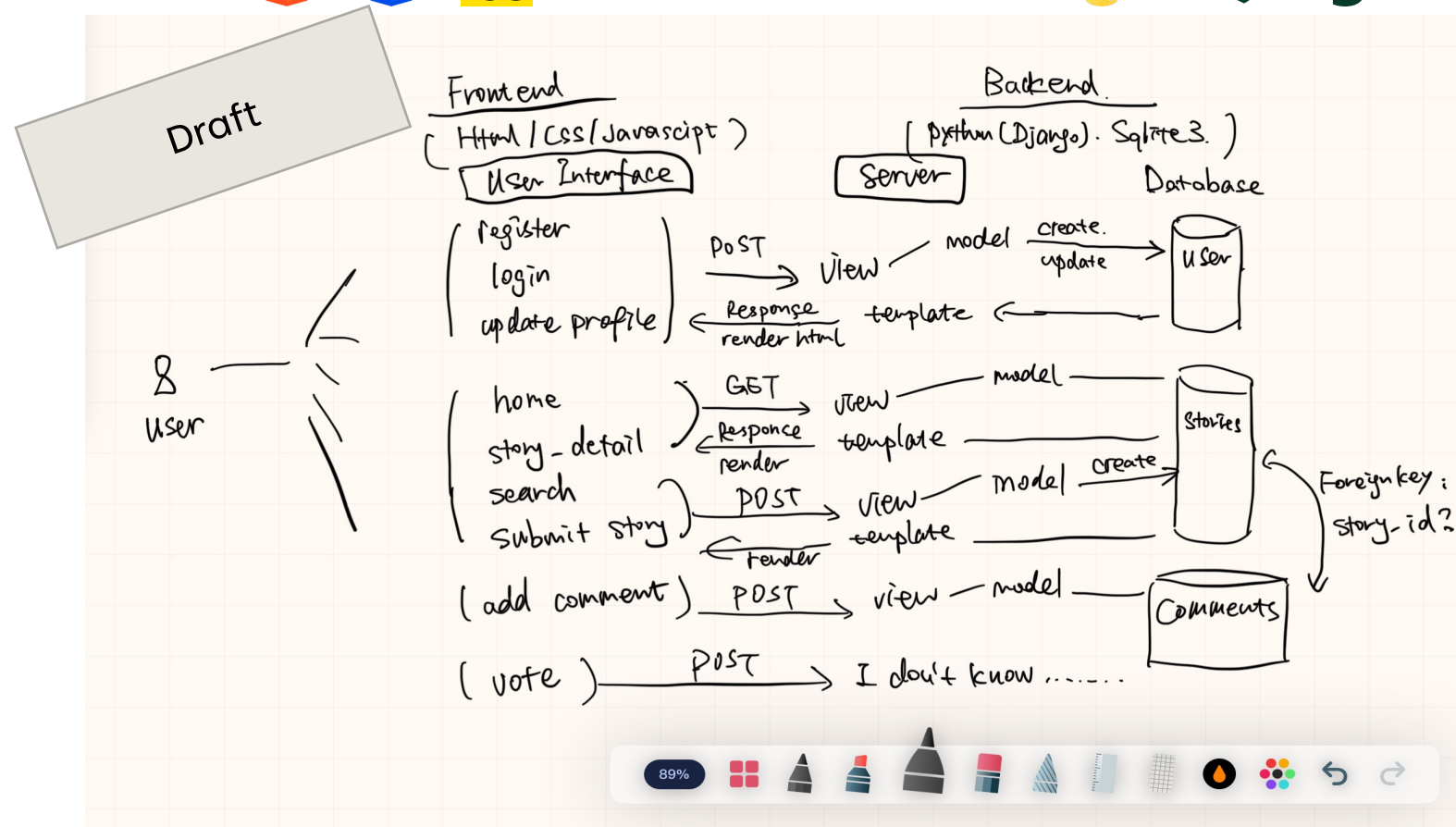
## 4. SYSTEM DESIGN AND TECH STACKS

NEU Hacker is built by python using Django Framework as backend and sqlite3 as database. Frontend is built by html/css/JavaScript.

User

Frontend

Backend



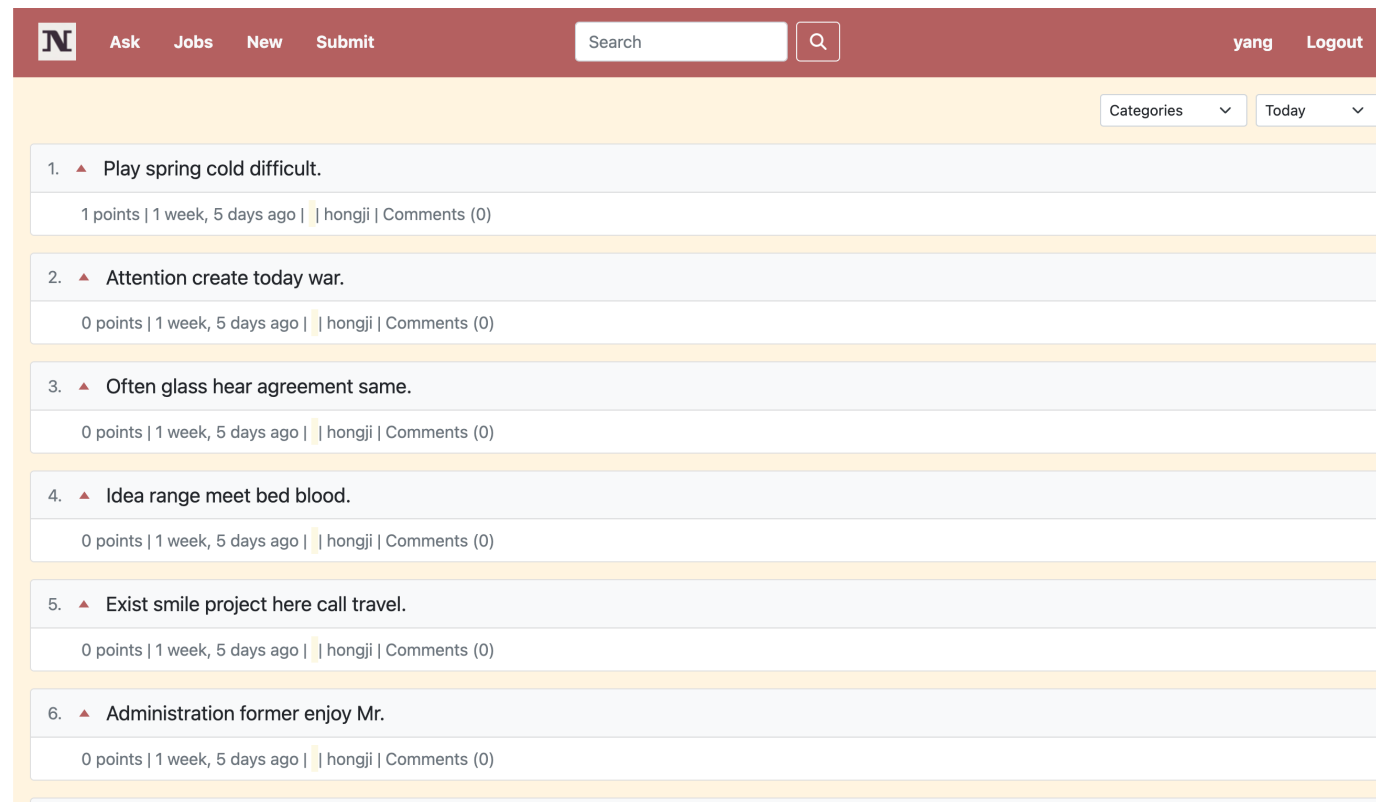


## 5. DEMO



Let's show you the Demo of NEU Hackers!

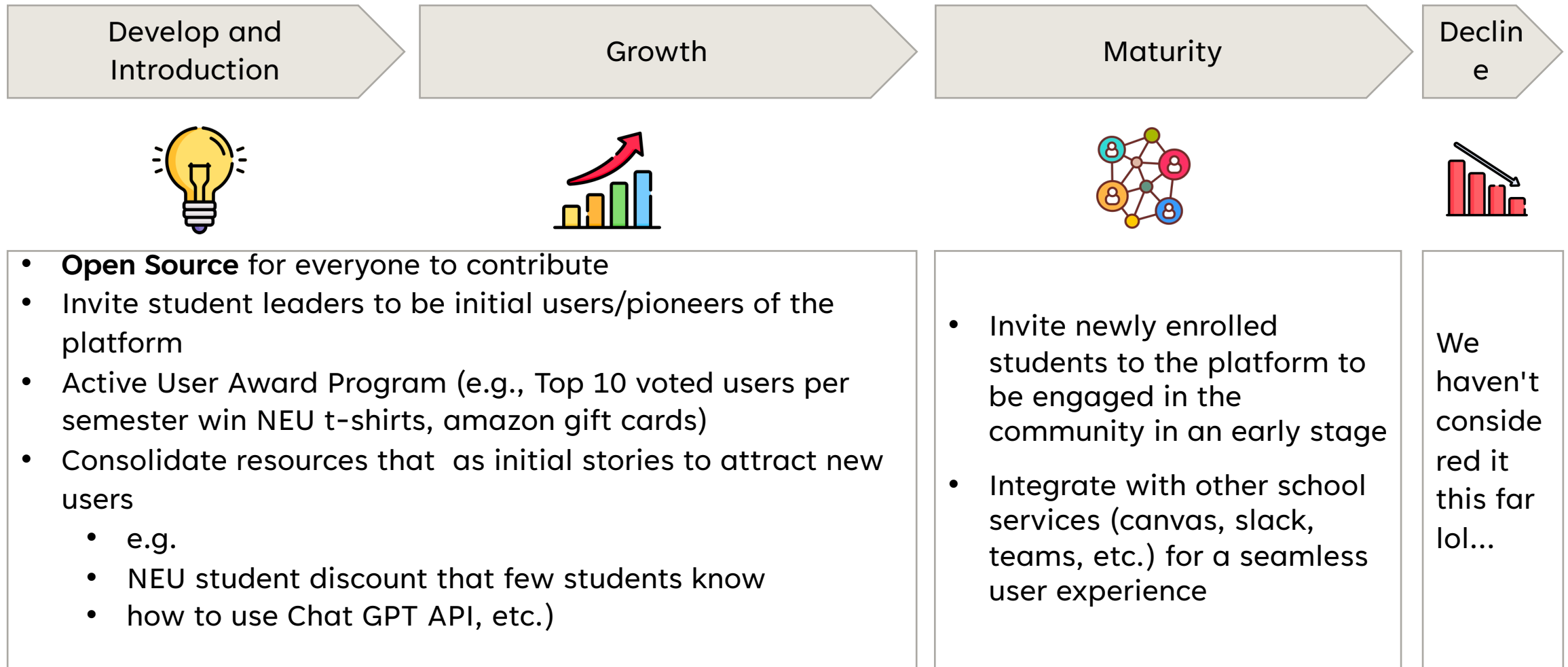
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## 6. OPERATIONS – BUILD A COMMUNITY



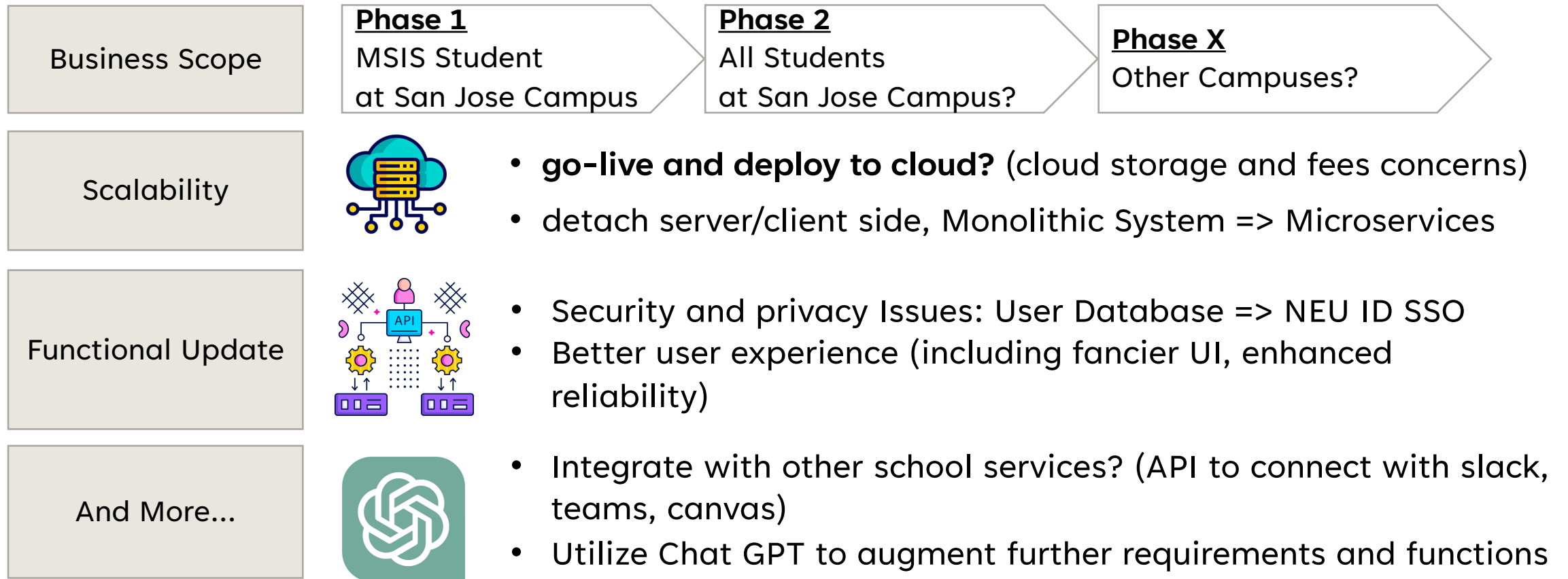
Besides the product itself, it is also essential to create strategies on how to form an inclusive community and to sustain the dynamic of the platform.



## 7. TECHNICAL CONCERNS AND FURTHER DEVELOPMENT



There are some technical concerns, especially the scalability at preset. but we are planning to resolve them and improve more functions and features in the future.



## 8. TEAM INTRODUCTION

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- Backend, Database, Frontend
- Hongji Shi
- MSIS 23 Spring, San Jose Campus



- Frontend, Presentation
- Yang Jiang
- MSIS-Bridge 22Fall, San Jose Campus

A large, bold, dark blue stylized letter 'N' logo, which is the primary visual element on the left side of the slide.

THANK YOU

Hongji SHI

Yang JIANG