

# Team Collaboration and Problem-Solving Process

## Pre-Hackathon

14<sup>th</sup> March 2025 (Friday)

- Formed group of 5 (Manish, Errol, Kai Zhe, Chang Xin and Mok)
- Briefed and pinned Hackathon timelines in WhatsApp.
- Sent and pinned links for all Hackathon documents such as Registration Form, Handbook, Website, T&C and FAQ in WhatsApp group.

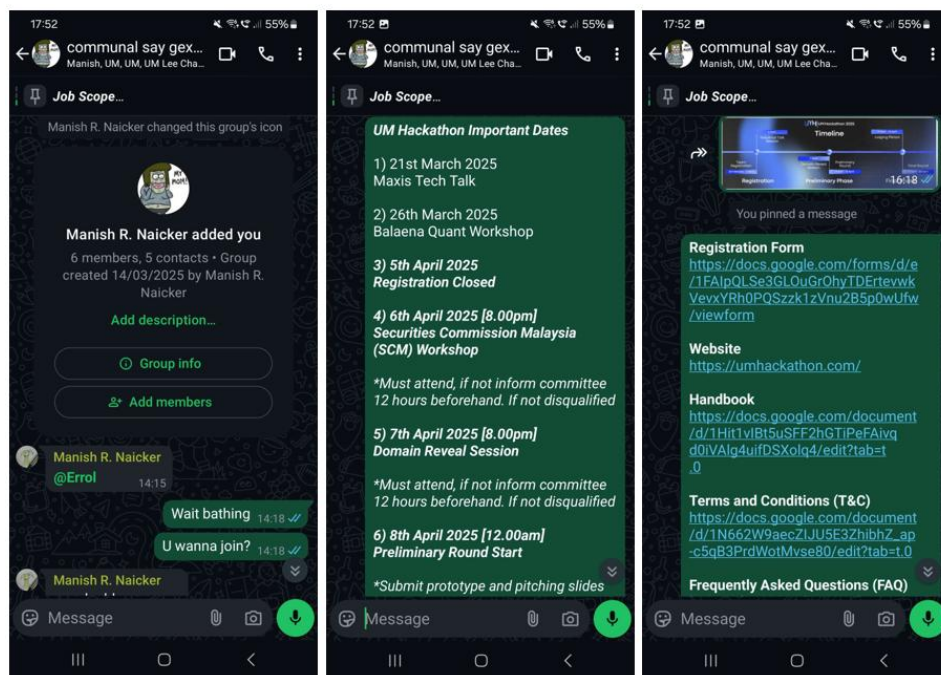


Figure 1: Formed group, briefed members and pinned important links.

15<sup>th</sup> March 2025 (Saturday)

- Decided group name “Sayne Gexion”.
- Made a discord server to share information more clearly.

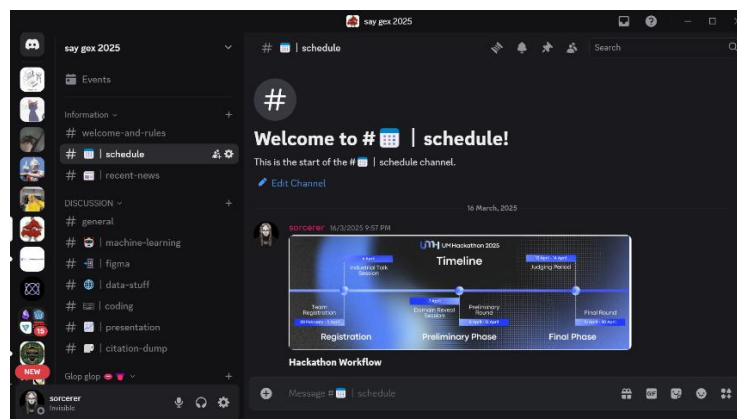


Figure 2: Created discord server.

16<sup>th</sup> March 2025 (Sunday)

- Preliminary job roles were assigned to each team member.
  - Machine Learning
    - Manish
    - Kai Zhe
  - Figma and Pdf
    - Errol
    - Chang Xin
    - Mok
- Errol and Kai Zhe sent dataset from Department of Statistic Malaysia (DOSM) and AwesomeData (Github).
- Mok shared Figma tutorial YouTube Video.
- Errol shared suggestions of things to learn in preparation for the Hackathon.

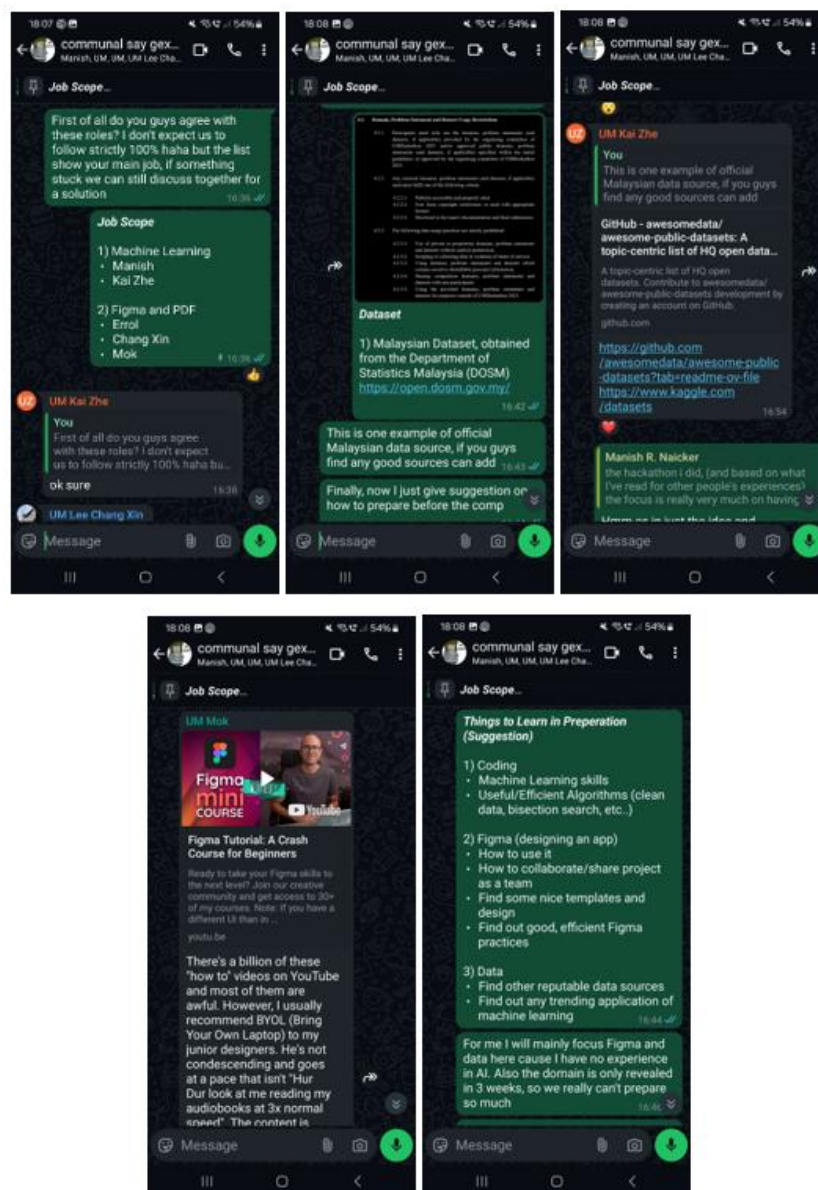


Figure 3: Assigned preliminary job roles, shared potential dataset, shared YouTube Figma tutorial and suggested technology to learn.

## 26<sup>th</sup> March 2024 (Wednesday)

- Errol shared a set of topics to review before the end of the week.

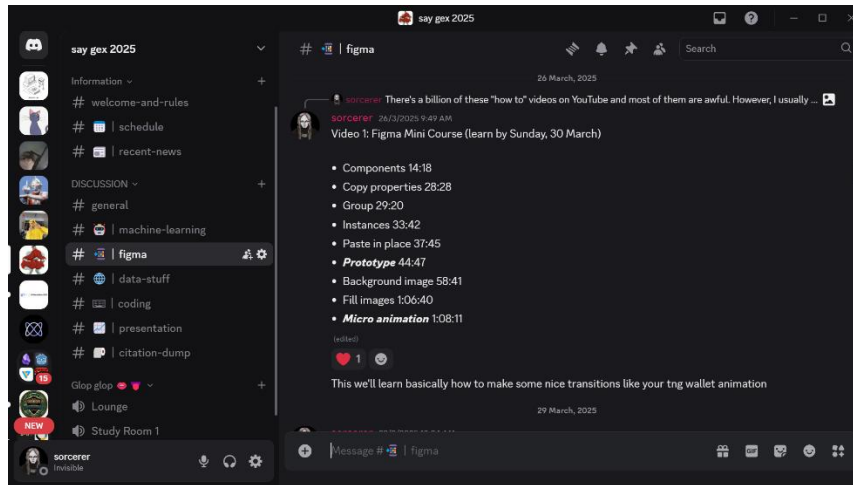


Figure 4: Topics to review by the end of Sunday, 30<sup>th</sup> March.

## 30<sup>th</sup> March 2024 (Sunday)

- Errol shared another set of topics to review before the end of the week.

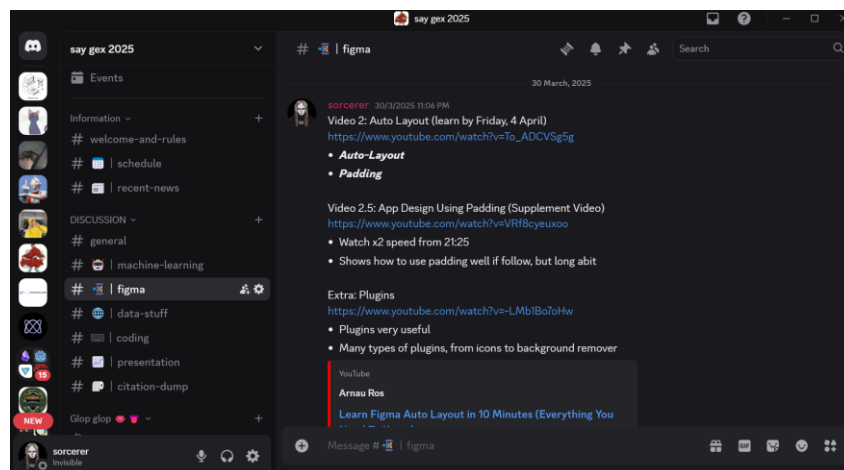


Figure 5: Topics to review by Friday, 4<sup>th</sup> April.

## 3<sup>rd</sup> April 2025 (Thursday)

- Team gathered at roughly 9:30 pm.
- Spent about 20 minutes learning to use collaborative Figma.
- Refreshed knowledge about prototyping and app/web design.

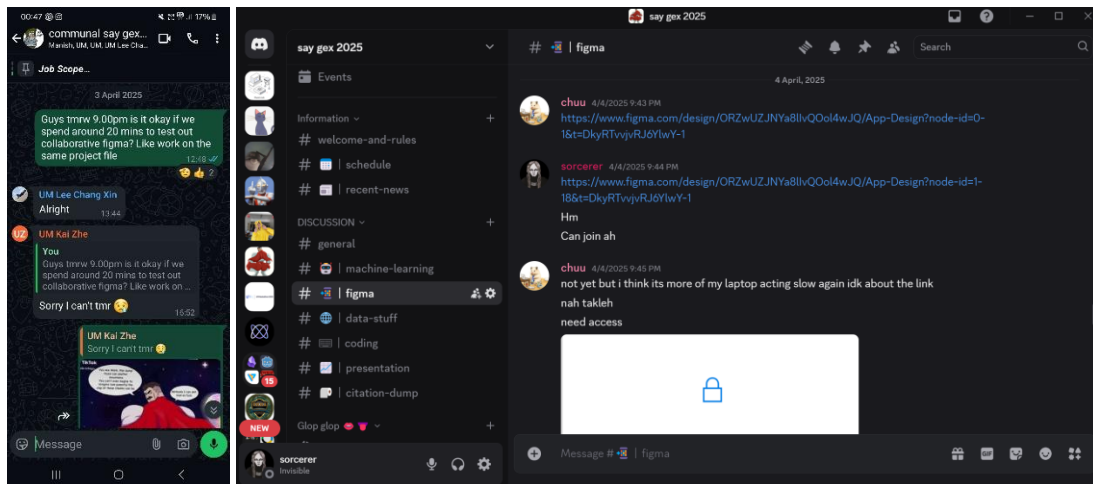


Figure 6: Team worked together on collaborative Figma.

5<sup>th</sup> April 2025

- Mok, Kai Zhe, Chang Xin, Errol and Manish joined Balaena Quant workshop.
- Manish noted down key points and shared them into group.
- Mok saved and shared Grab's career page and talent community group.

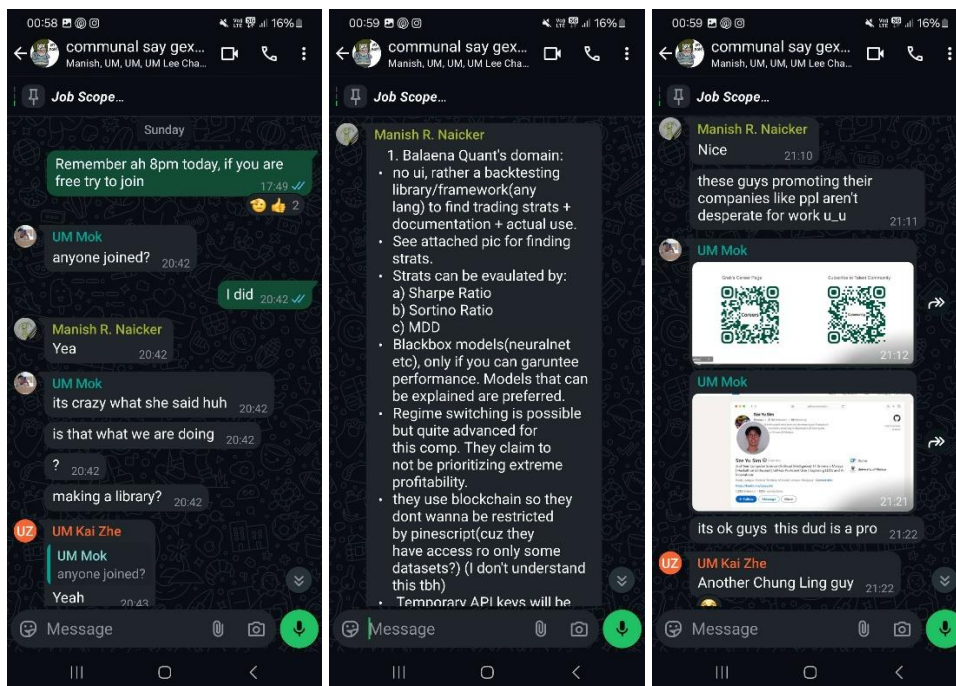


Figure 7: Team joined and listened to Balaena Quant workshop.



## During Hackathon

### Day 1: Monday, 7<sup>th</sup> April 2025

- Whole team joined the domain reveal session.
- Carefully listened to which domain our group is in.
- Mok saved image of each domain's topic.
- Errol listened to recording once again to write out Domain 1's criterion.
- Errol tasked team members to search for ideas for the night, and planned a discussion on the next day.
- Manish sent his previous hackathon proposal as reference.
- Mok was alert and shared the written criterion of Domain 1.

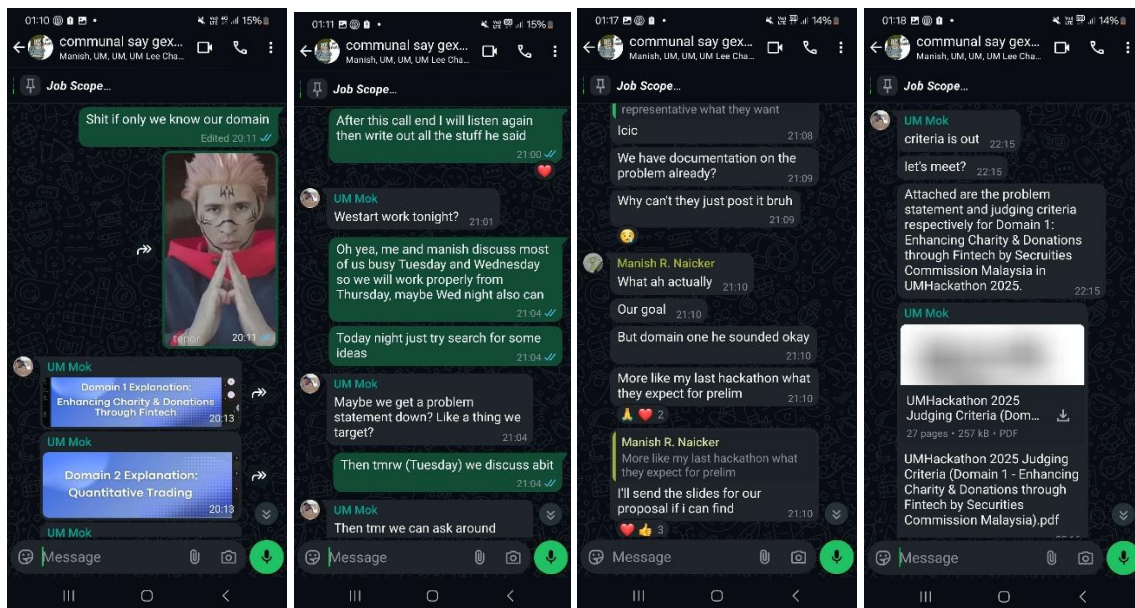


Figure 8: Group listened for domain, thought of ideas, Manish sent proposal sample and Mok shared criterion for Domain 1.

### Day 2: Tuesday, 8<sup>th</sup> April 2025

- Whole team had a brief meeting at lunch (around 1 pm), where we briefly talked went through the problem
- Concluded that we needed a mentor session.
- Errol booked a mentor session for 9:00PM – 9:15PM and 9:20PM – 9:35PM the next day
- Whole team had a meeting for discussion to draft up an initial idea
- Assessed the problem statement, carefully understanding every nuance of it
- Went back and forth with ideas, and completed our first draft of ideas

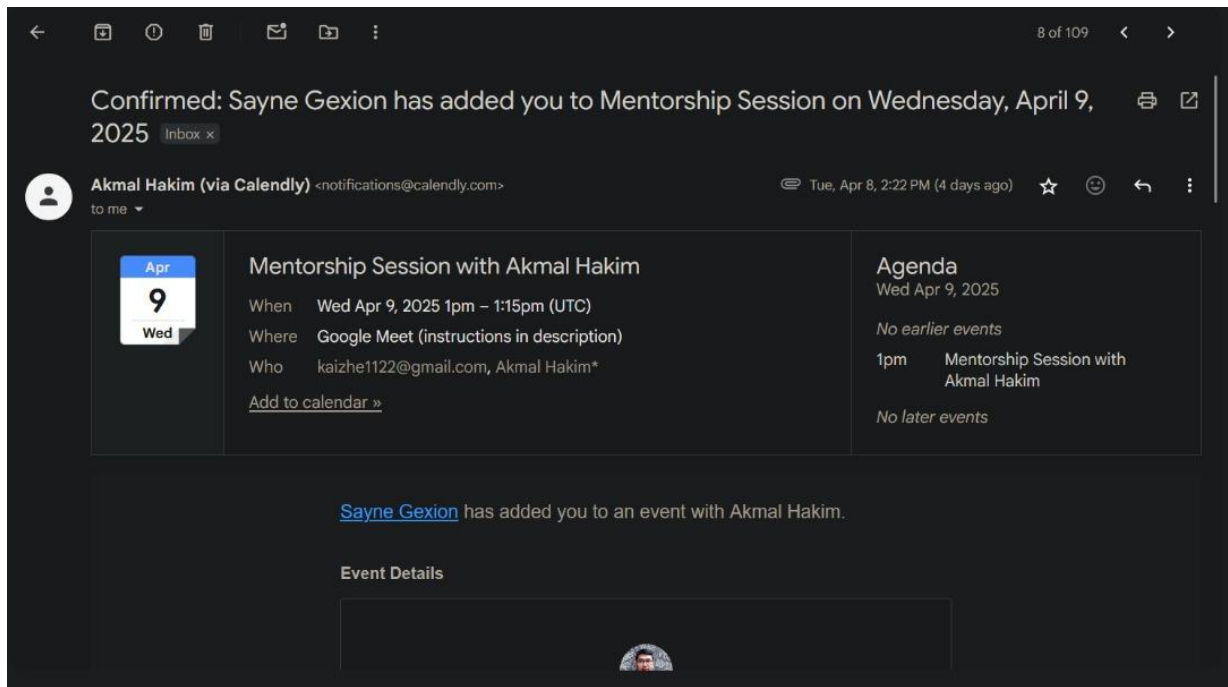


Figure 9: Booking for mentor session on 9/4

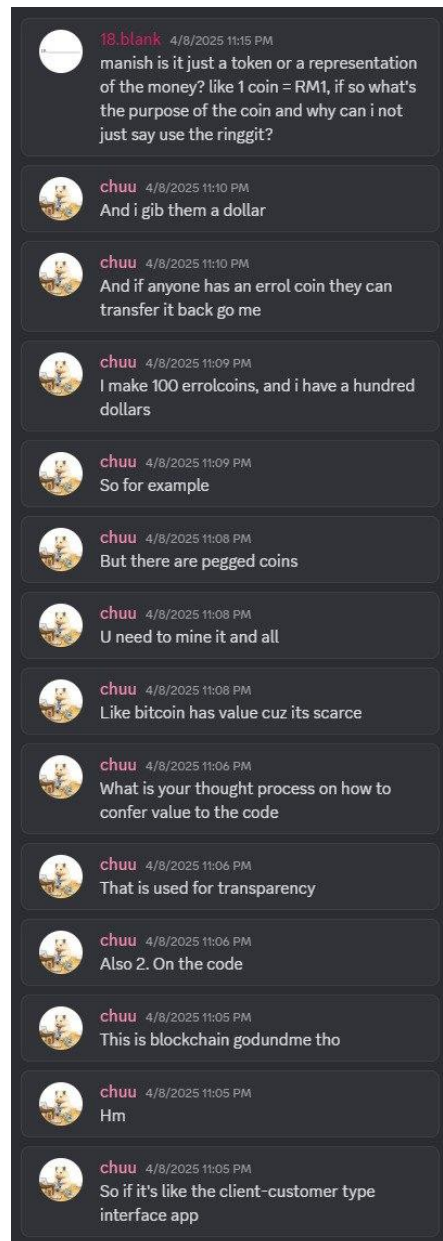


Figure 10: Some of the chat logs during 8/4 meeting, texting was done due to Manish not available to talk during that time

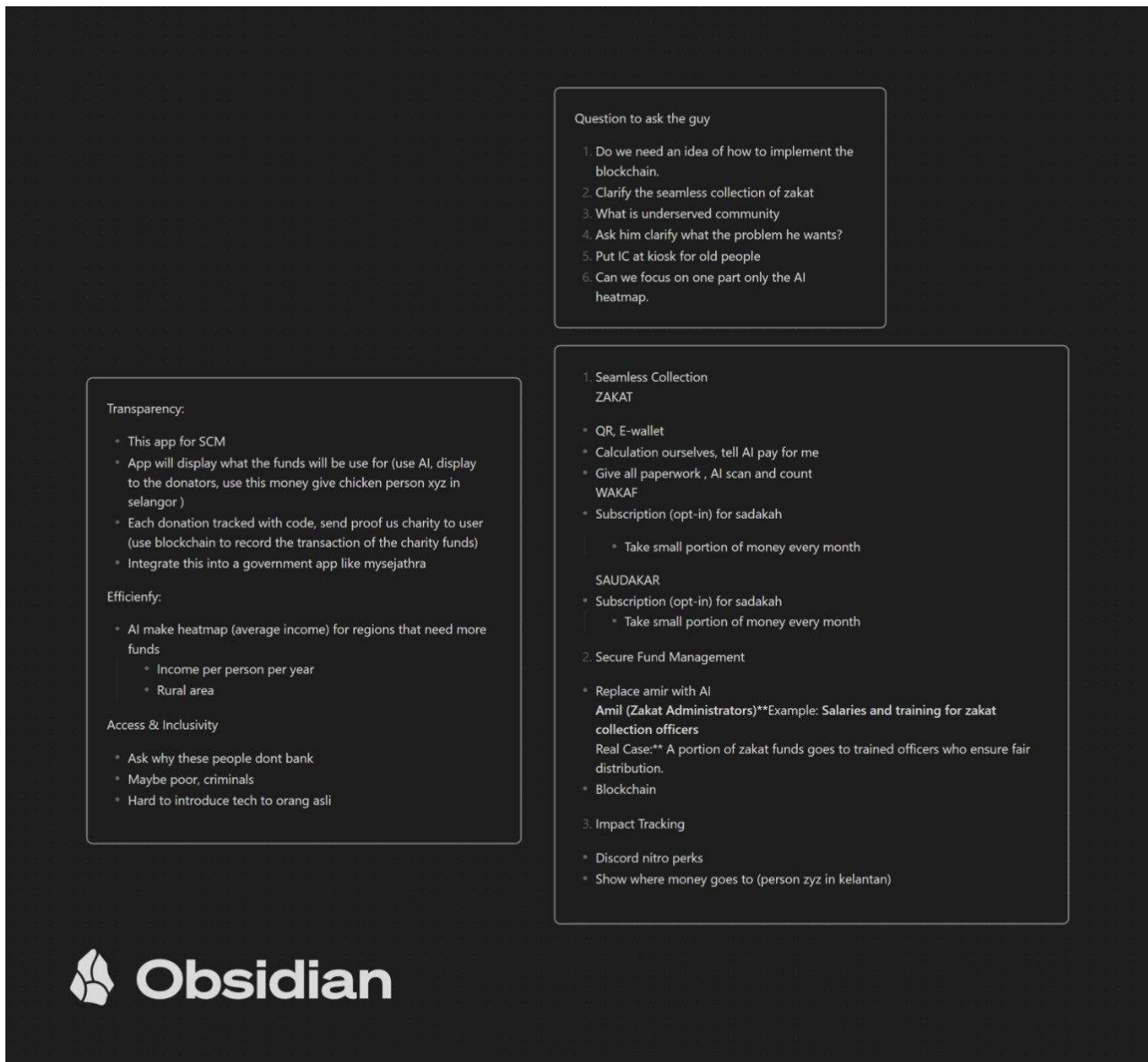


Figure 11: Initial Idea draft

### Day 3: Wednesday, 9<sup>th</sup> April 2025

- Whole team had a mentor session with Mr. Akmal Hakim
- Had a fruitful discussion with Mr. Akmal Hakim where we got relevant criticism and approval of our ideas
- Lee Chang Xin and Mok Zhen Yang left in the middle of the first meeting to have another mentor session with Mr. Tze Chiat Cheah
- Further understood our problem statement and main focus area from Mr. Tze Chiat.
- Learned from Mr. Tze Chiat that blockchain technology is not actually recognised by Islam law.
- Whole team had a meeting after each mentor sessions to discuss on our findings.
- Finalised our ideas and prepared to start working on proposal and slides the next day.



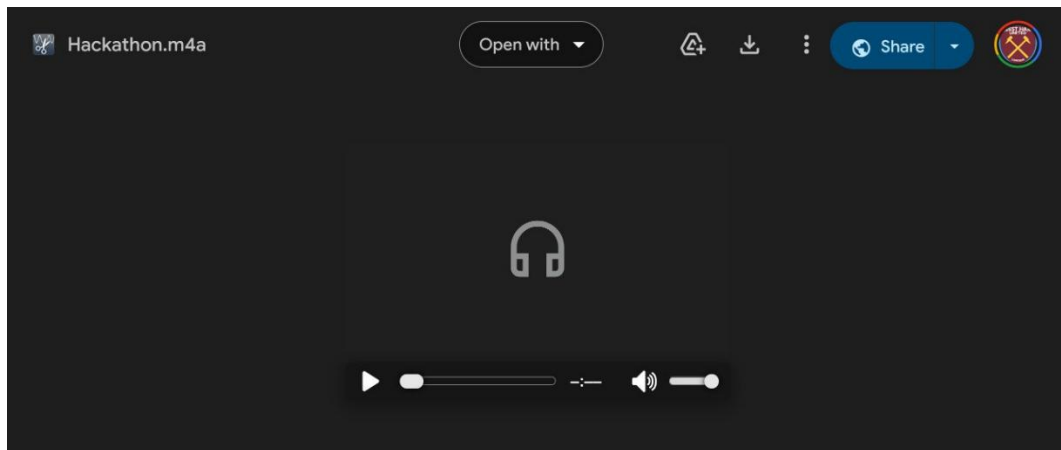


Figure 12: Audio recording of mentor session with Mr. Akmal Hakim

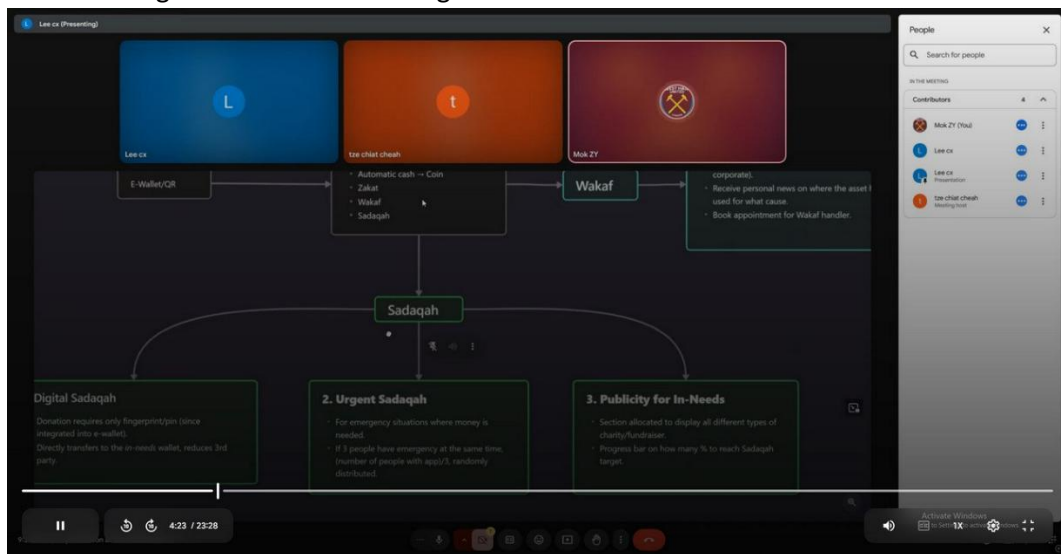


Figure 13: Video recording of mentor session with Mr. Tze Chiat Cheah



Figure 14: Some of the chat log from 9/4 meeting

#### Day 4: Thursday, 10<sup>th</sup> April 2025

- Manish and Errol went to zakat department in UM to learn more of our topic. After learning that it had closed down, they decided to head to Maybank to ask for help, in which they successfully asked a counter personnel for answers. Then, they went back and discussed further and concluded that our idea will need to change
- Manish asked some of his malay friends to learn more about zakat, to which he shared his findings to us on WhatsApp.
- Whole team had a meeting at night in regards of our changes of plan.
- Concluded that we shift to a focus on backend, to solve the problem of fund distribution instead
- Errol Booked an additional meeting with Akmal Hakim for 3PM 11/3

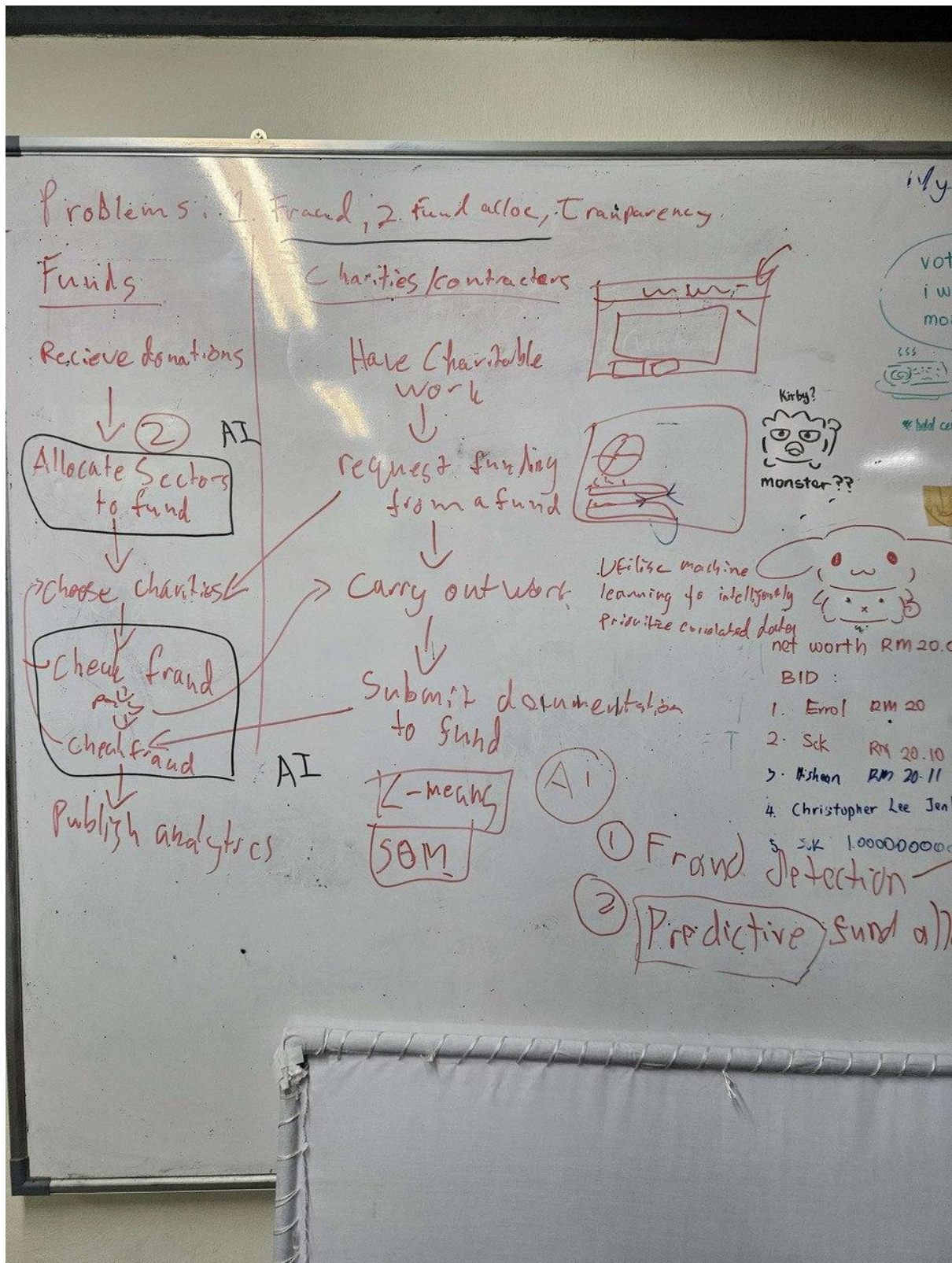


Figure 14: Discussion by Errol and Manish on a whiteboard

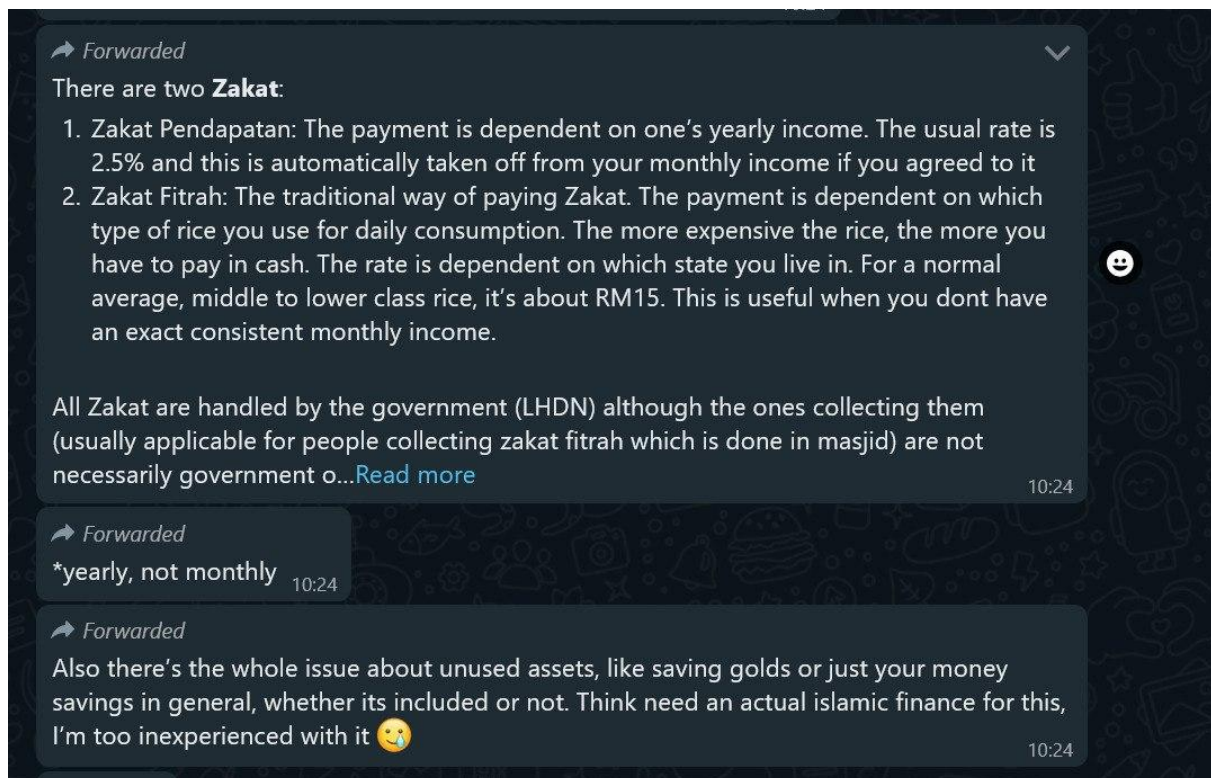


Figure 15: Manish's sharing about his findings on zakat



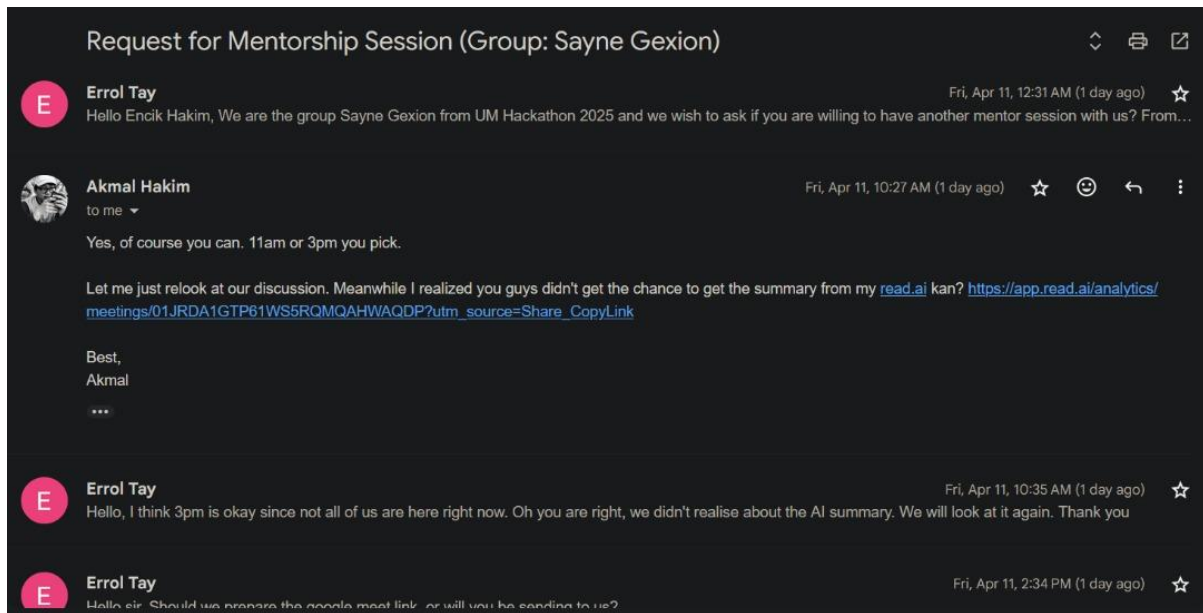


Figure 16: Booking of additional meeting with Mr. Akmal Hakim

### Day 5: Friday, 11<sup>th</sup> April 2025

- Whole team Had a meeting with Mr. Akmal Hakim at 3PM, where we showed our new idea.
- Concluded that our ideas was good but there's a need to shift to general charity as well as some tweaks needed.
- Whole team Had a discussion to finalise all new ideas
- Concluded with a finalised idea
- Whole team started drafting the proposal



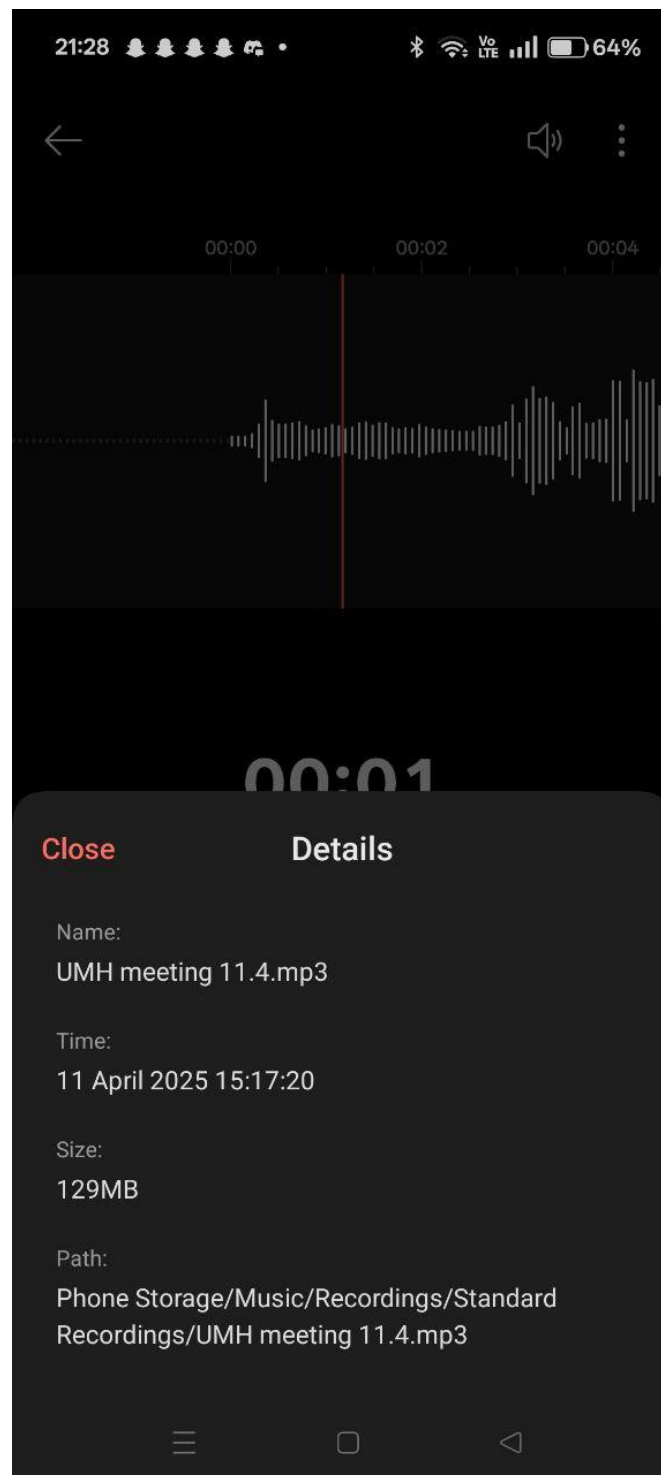


Figure 17: Audio recording of meeting with Mr. Akmal Hakim



Figure 18: Discussion after our meeting with Mr. Akmal Hakim

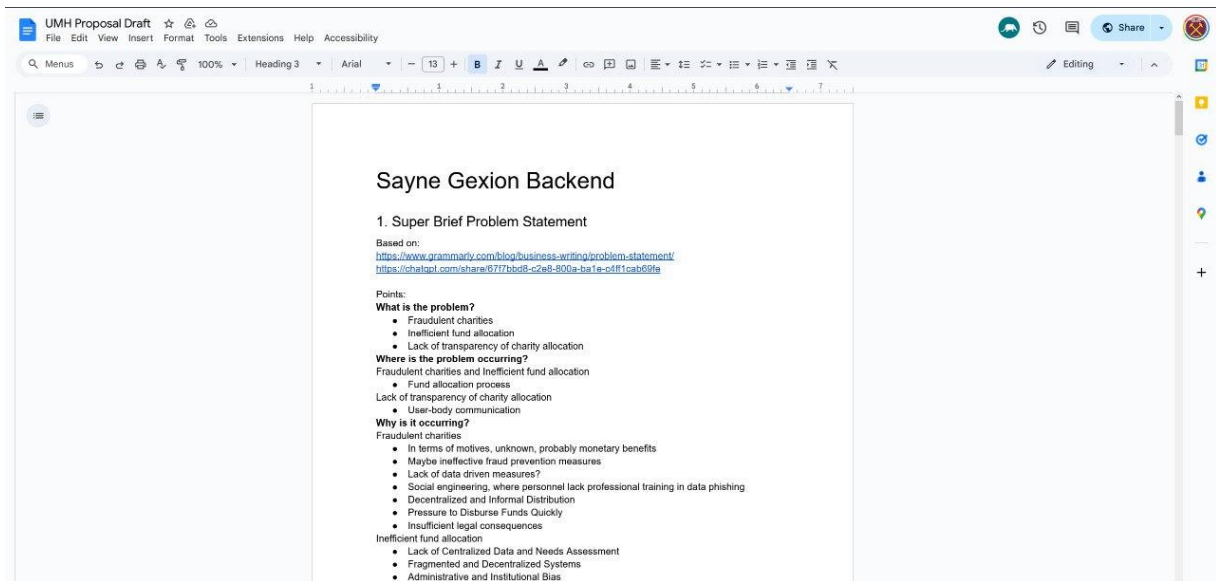


Figure 19: Proposal drafting

## Day 6: Saturday, 12<sup>th</sup> April 2025

- Whole team completed the proposal and presentation slides.
- Errol was tasked to complete AI 1 part.
- Kai Zhe was tasked to complete AI 2 part.
- Mok was tasked to complete the introduction, problem statement and solution.
- Chang Xin was tasked to create flowchart.
- Manish was tasked to make logo and head-start presentation

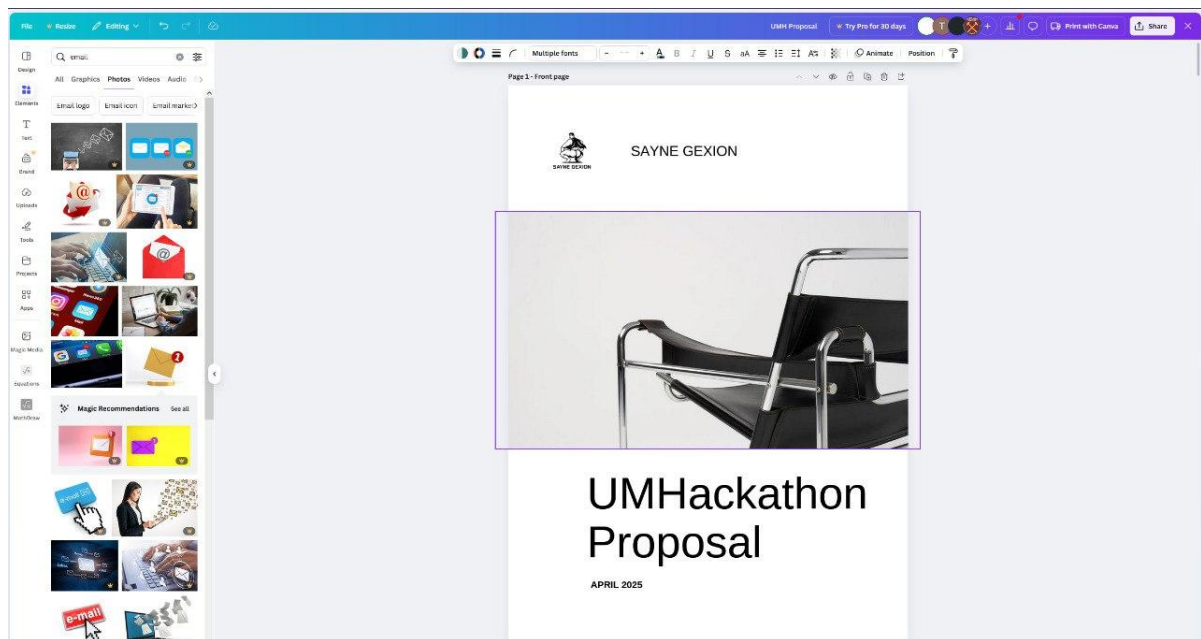


Figure 20: Proposal

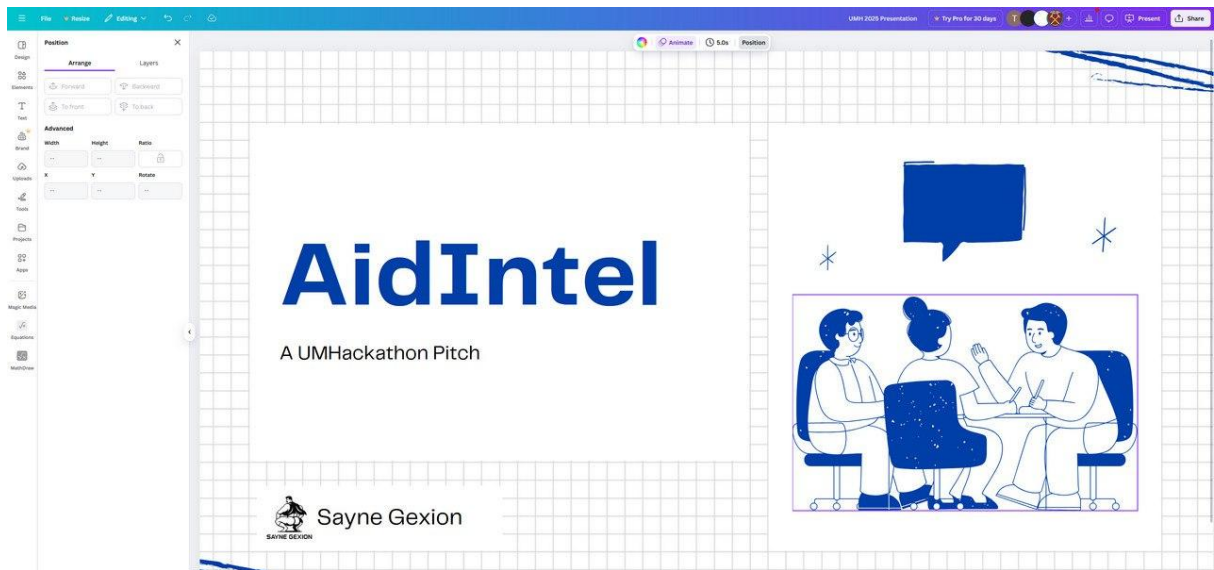


Figure 21: Presentation slides