

TEAM MHZ **PROJECT LOG**



STAN

TEAM MHZ

Faiza(法伊拉)

Ryan (朱文凯)

CEO Mango (杜明日)

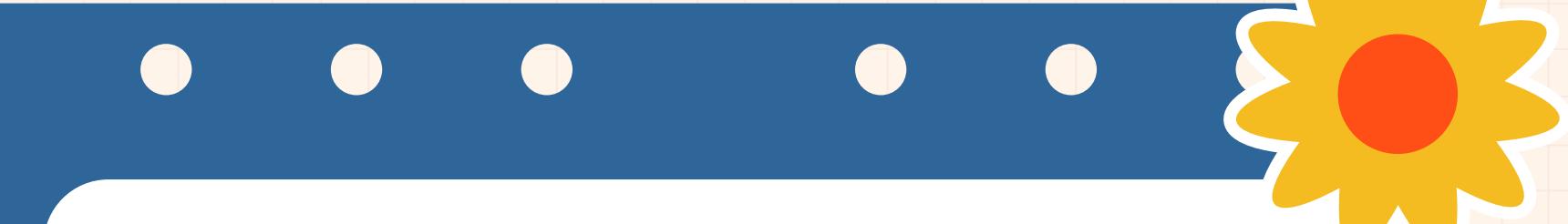
CIO Jade(武碧玉)

Tony(阮孟强)

Darrel(傅奕万)

Reporting Period: 09/18/2024-xx/xx/xxxx

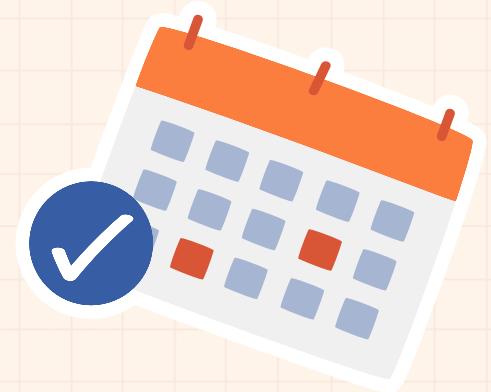




**A, 18TH SEP
2024**



A, 18TH SEP 2024

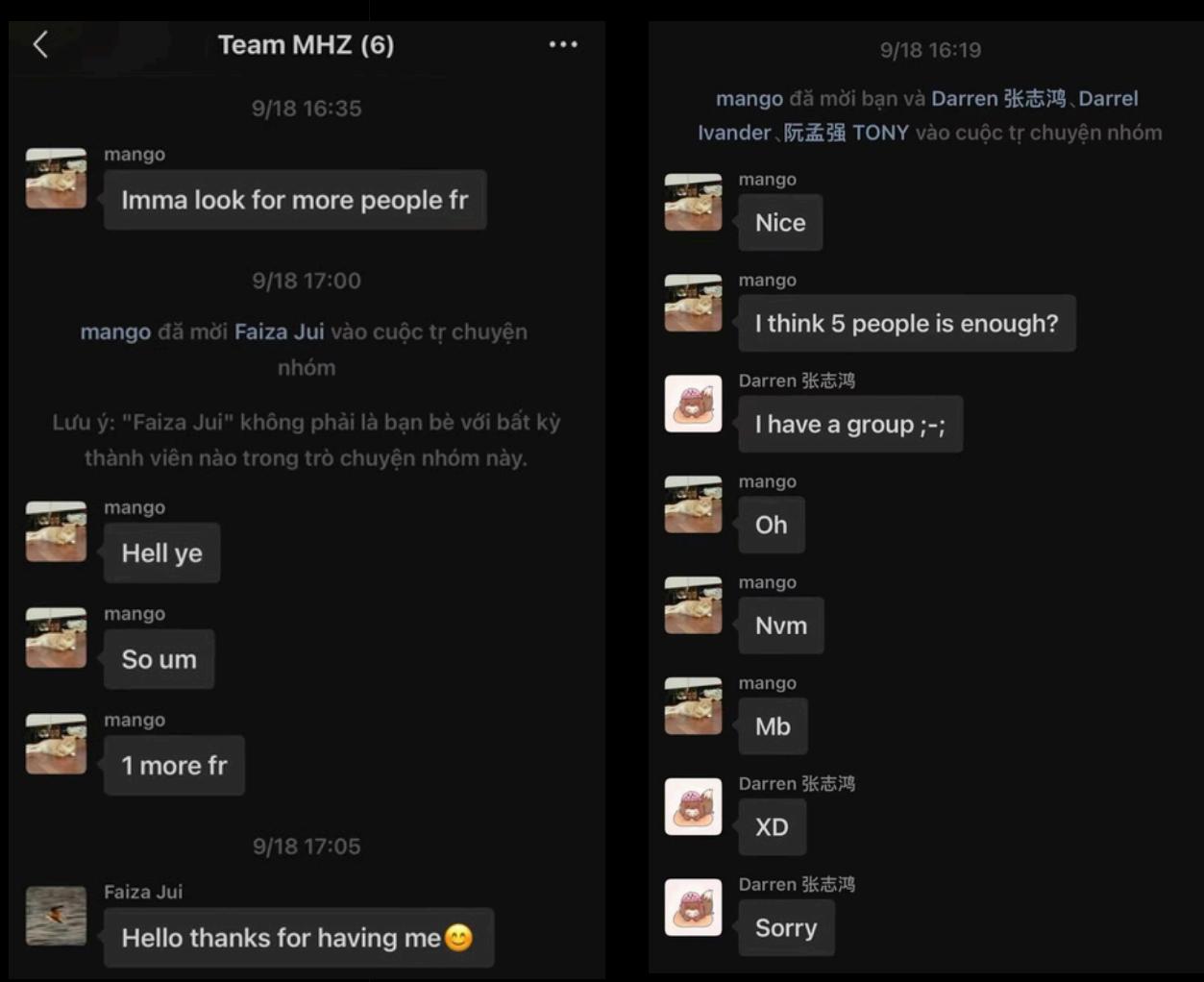


1, WHAT WAS DONE:

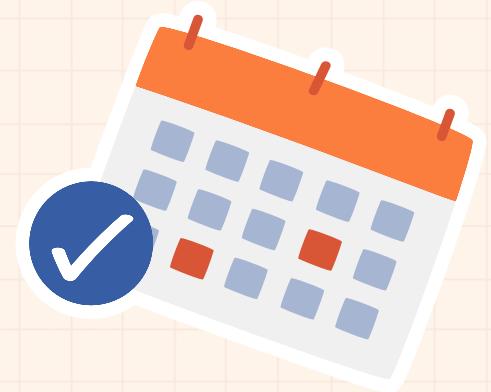
Group was created with 5 members: Mango (杜明日), Tony(阮孟强), Jade(武碧玉), Darrel(傅奕万) and Faiza(法伊拉), Ryan (朱文凯).



2, WHEN WAS DONE: 17:05 PM

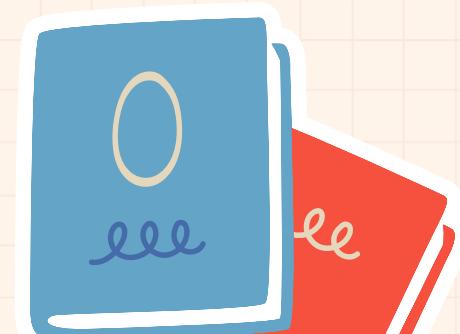


A, 18TH SEP 2024

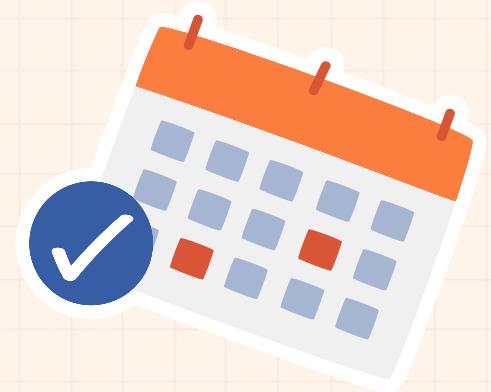


3, LESSONS LEARNED

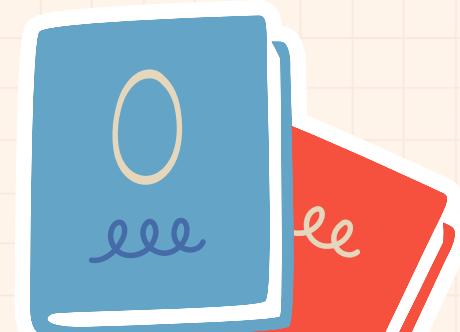
- Getting to know the other members



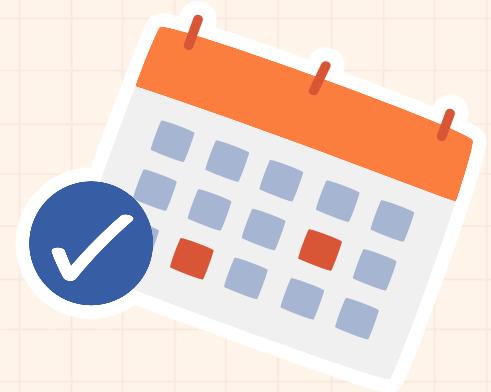
A, 18TH SEP 2024



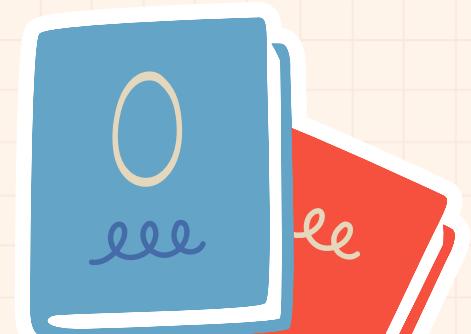
4, ISSUES
no



A, 18TH SEP 2024



5, NEXT STEP
discussing the
roles and
modules we
would hold
responsibilities
for





**B, 20TH SEP
2024**

B, 20TH SEP 2024,

1, WHAT WAS DONE:

- Group name was temporarily set to “Mind Hack Zombies” as suggested by Faiza.
- Tony was elected CEO

B, 20TH SEP 2024,

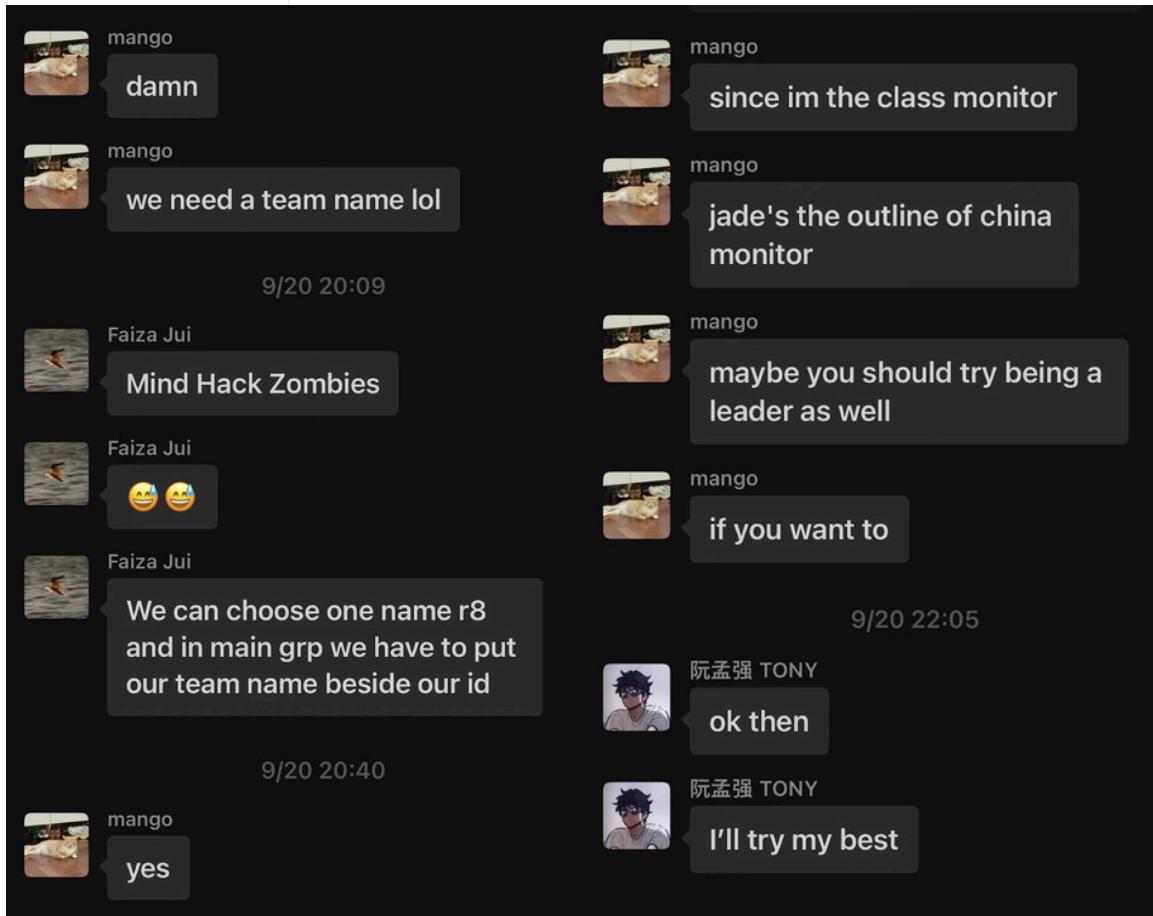


**2, WHEN WAS DONE:
18:48 P.M-22:05 P.M**



B, 20TH SEP 2024,

2, WHEN WAS DONE: 18:48 P.M-22:05 P.M



B, 20TH SEP 2024,



3, LESSONS LEARNED:



- Completing basic information of the team (name)
- Distributing the roles to the member temporarily



B, 20TH SEP 2024,

4, ISSUES



No



No!!

no



B, 20TH SEP 2024,



5, NEXT STEP

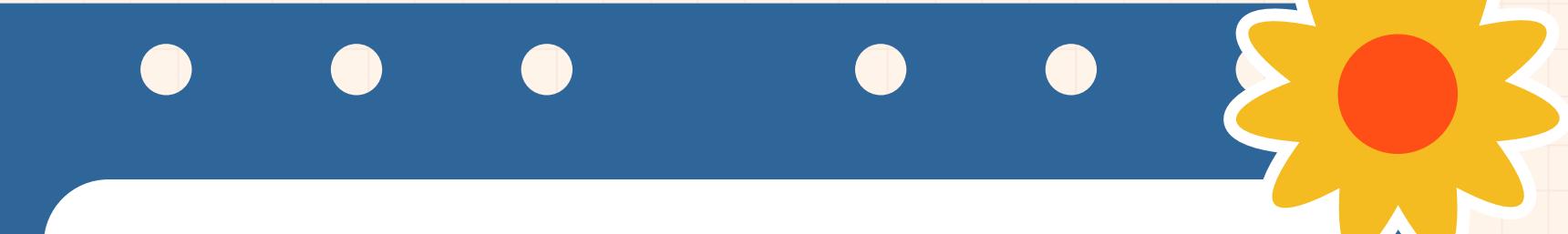


- completing distribute the official roles for the team's members



C, 21ST SEP
2024

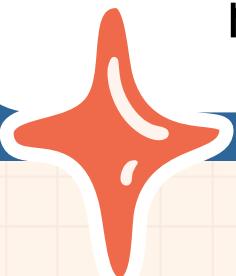




C, 21ST SEP 2024

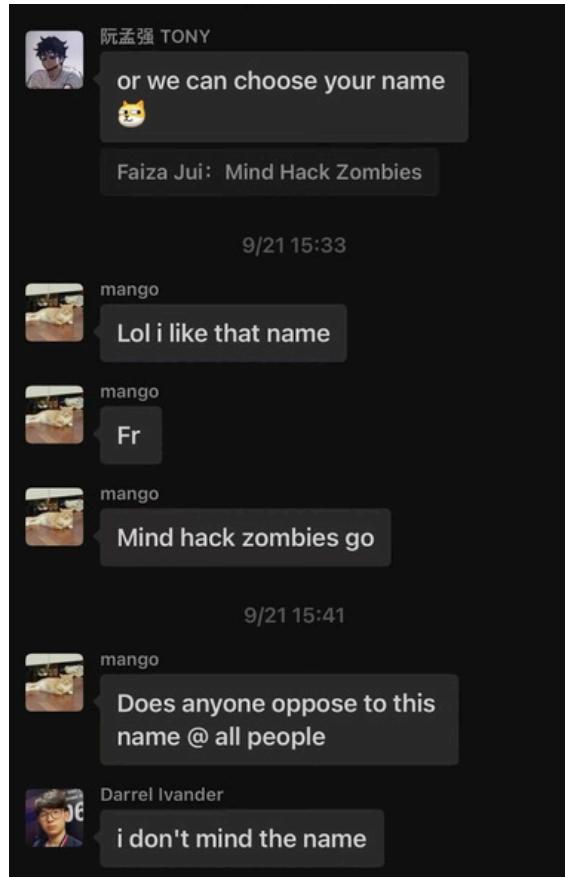


1, WHAT WAS DONE

- By taking the initial letters of “Mind Hack Zombies”, we got “MHZ”, which also the short form for Megahertz. And The team all agreed that it sounds cool and decided to go for “MHZ (Megahertz)” as our final team name.
- 



2, WHEN WAS DONE: 14:55 P.M-15:41P.M



C, 21ST
SEP 2024

C, 21ST SEP 2024

3, LESSONS LEARNED:

- Completing basic information of the team (name)
- Distributing the roles to the member temporarily

C, 21ST SEP 2024

4, ISSUES

No!!



C, 21ST SEP 2024

5, NEXT STEP:

- completing distribute the official roles for the team's members
- researching the modules



D, 22ND SEP
2024

D, 22ND SEP 2024



1, WHAT WAS DONE:

- Mango, with the help of some google research and Copilot AI, sent the group a brief summary of what the 5 modules are all about and which one seem interesting.
- After a while of consideration, our team agreed to go for the “Hardware and Behavioral AI” module. (because “robotics is cool”)
-



D, 22ND SEP 2024



2, WHEN WAS DONE: 15:07 P.M-16:48P.M

< 8 Team MHZ (6) Chủ nhật 15:07

mango mhzers

mango behavioral sounds cool tbh

mango the connectionist approach towards AI basically try to replicate the human brain itself using neural network

mango i was looking into all the different modules that the teacher gave us

mango so it emphasizes more on learning on experience and recognising patterns

mango and I find behavioral AI to be quite interesting

mango however

mango the AI analyzes the behaviors of users and detects unusual user activity

mango a lot of people already chose this one

mango this can prevent stuffs like bot data attacks, hackers in online games, email spams and so on and so forth

mango or else

mango if we want to go real simple

mango or maybe im just a nerd

Darrel Ivander Chủ nhật 16:24

朱文凯 Well behavioral seems good

朱文凯 It could analyze the behavior of a user

朱文凯 Pretty interesting indeed

mango Chủ nhật 16:48

mango oh god

mango let's go for behavioral then

mango Chủ nhật 19:29

mango on god***

This is a screenshot of a messaging app showing a conversation between team members. The messages are in Vietnamese. The team is discussing AI, specifically behavioral AI, and its applications. One member mentions the connectionist approach and how AI tries to replicate the human brain using neural networks. Another member discusses the different modules in AI and finds behavioral AI interesting. They mention that AI analyzes user behavior to detect unusual activity, which can prevent bot attacks and hackers. The team decides to go for behavioral AI. There are also some playful comments about being nerds and gods.

3, LESSONS LEARNED:

- Getting to know the module we already chose as well as basic knowledge of other modules

4, ISSUES:

- This module had many sub-fields so it was very hard to do the research for the newbies

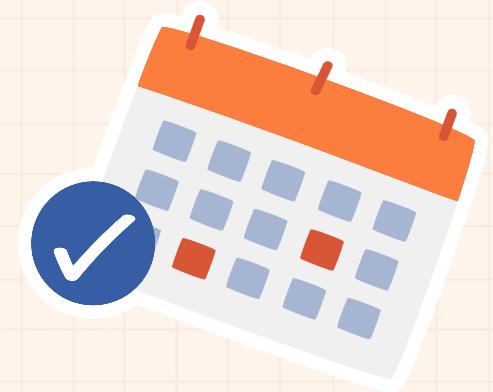
5, NEXT STEP:

- getting deeper learning in our module
- researching the roles for the team's members



**E, 23RD SEP
2024**

E, 23RD SEP 2024



1, WHAT WAS DONE:

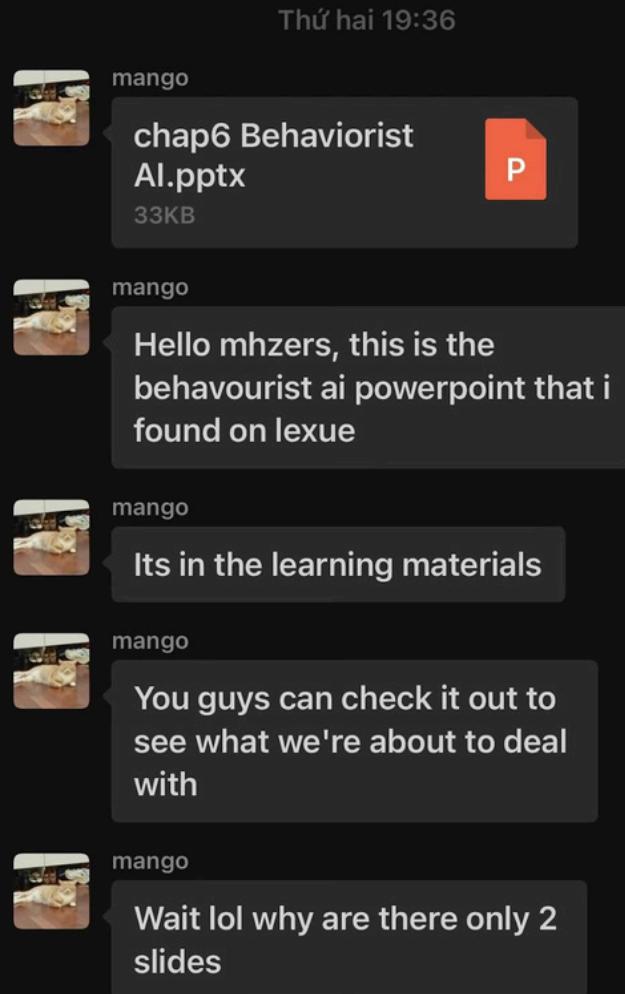
- Temporarily set the roles for everyone as follows:

```
Jade: CIO  
Darrel: Designer  
Ryan: CTO  
Mango: Writer  
Faiza: QA
```

- researched Behaviorist AI (chap 6) on Lexue



WHEN WAS DONE: 16:34
P.M-19:36P.M



3, LESSONS LEARNED:



- Learning the requirements of every single roles
- Getting basic knowledge of Behaviorist AI

4, ISSUES :

- Behaviorist AI can be quite challenging because of the complexity of human behaviours and the challenge in creating human-like interaction as well as its real time+ long-term interaction

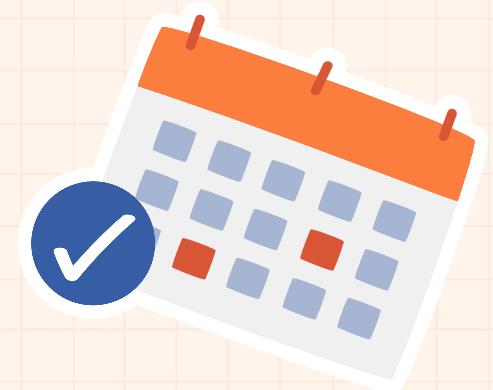
5, NEXT STEP:

- getting deeper learning in Behaviorist AI
- researching the other sub-fields of Hardware and Network
- preparing for creating a web by using HTML, CSS



F, 24TH SEP 2024

F, 24TH SEP 2024

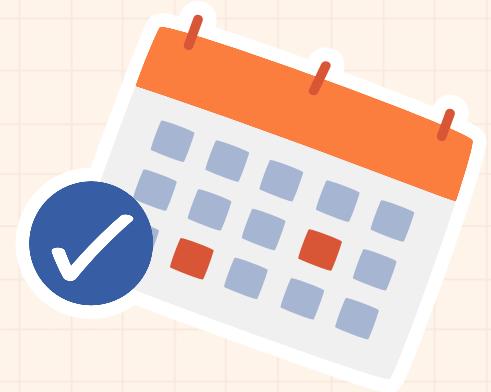


1, WHAT WAS DONE:

- After AI class, our group had made decisions as follows:
CEO had been shifted from Tony to Mango,
Jade remained the CIO, and every other roles was removed. We would approach this project by sharing all our workload with everyone, even the CEO and CIO - No one would be dedicated to just one task.
- Our group was going to present our learning guide through a separate HTML/CSS website, similar to that of Lexue interactive learning system.



F, 24TH SEP 2024



1, WHAT WAS DONE:

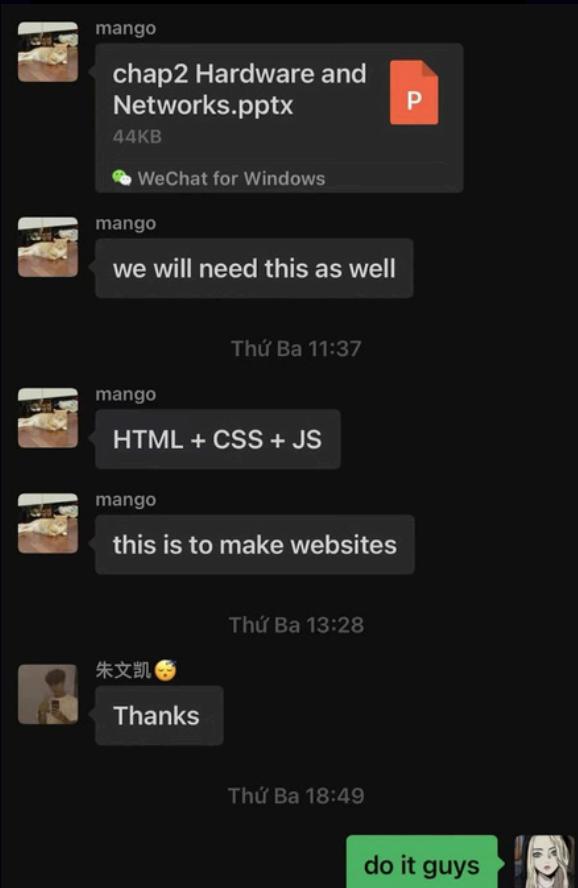
As stated above, because we are sharing our workload, all of our members will also attempt to learn HTML/CSS/JS website programming in order to develop the website together.

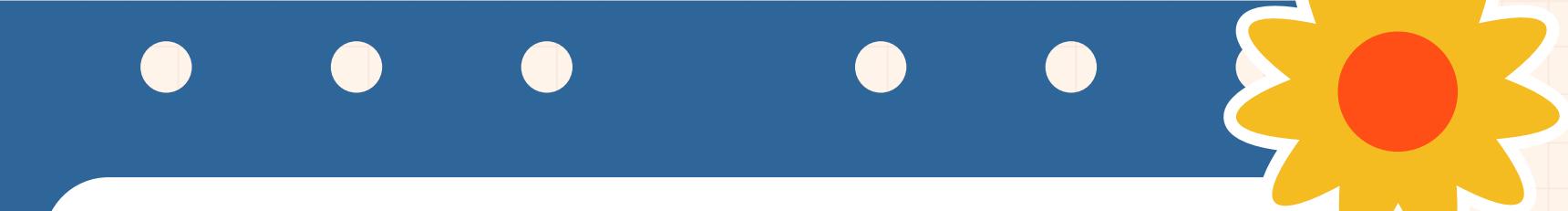
researched Hardware and Networks on Lexue
started doing Rough Plan task on Lexue
decided the team meeting (time+place)



F, 24TH SEP 2024

2, WHEN WAS DONE: THE WHOLE DAY (FROM MORNING TO EVENING)





3, LESSONS LEARNED:

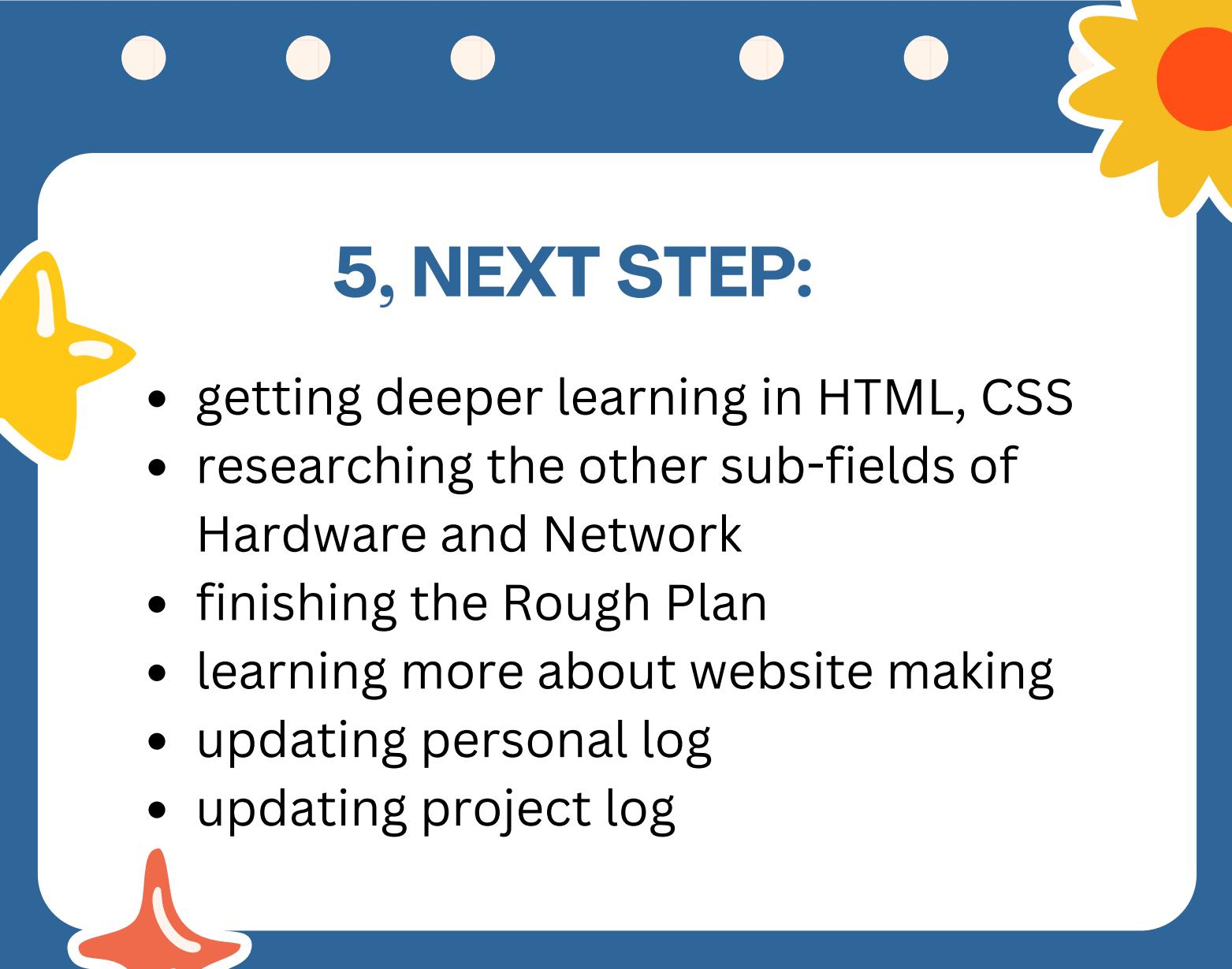
- Learning the specific requirements of our roles
 - Getting basic knowledge of HTML, CSS
 - Categorizing the Hardware and Network field
- 
- 



6

4, ISSUES:

- HTML, CSS and especially creating a web is quite complicated (especially for the beginners)
- Basically, learning a single programming language is very difficult, but we have to get quickly adapted to learning many programming language at the same time
- Finishing the Rough Plan took a quite long time for the leader, along with the member to discuss and finish, so we actually had to rush it till midnight
- It was a little bit problematic when we decide the time and place for the team meeting due to the difference of religion and lifestyle

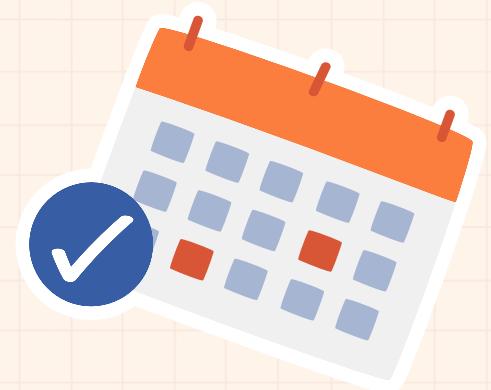


5, NEXT STEP:

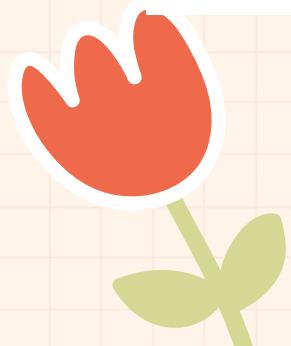
- getting deeper learning in HTML, CSS
- researching the other sub-fields of Hardware and Network
- finishing the Rough Plan
- learning more about website making
- updating personal log
- updating project log



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G, 25TH SEP 2024



G, 25TH SEP 2024

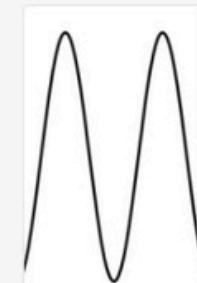
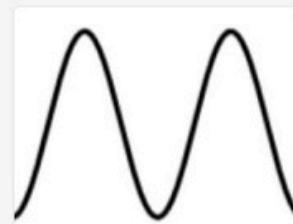
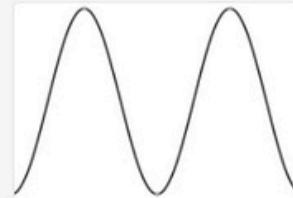


1, WHAT WAS DONE:

- finished the Rough Plan for the Project
- rechecked the Rough Plan task
- started designing the team's logo+ the website's name

2, WHEN WAS DONE: THE WHOLE DAY (FROM MORNING TO EVENING)

Wednesday 5:52 PM



2, WHEN WAS DONE: THE WHOLE DAY (FROM MORNING TO EVENING)

The screenshot shows a Google Docs page with the following content:

ProjectMhz plan Saved to Drive

File Edit View Insert Format Tools Extensions Help

Menus 100% Georgia 20 Editing

Plans for project MHZ
Prepared by: Mango

A. Team overview

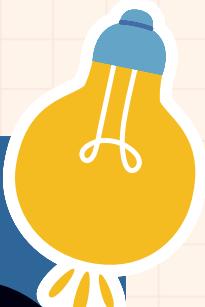
I. Introduction

Robots are cool! I think that most people on the world would agree with this one statement, from kids and teenagers who watch robot fantasies like *Transformers* or *Gundam*, to adults with their quality-of-life robots that help them in daily life, such as the little vacuum cleaner that cleans your whole house for you, or some places even have robots that bring you food, some hospitals have robots bringing you medicine, the list goes on.

Although looking at them might be cool, making them, or even learning anything about them, is a tedious process. That's why team MHZ (pronounced megahertz) is passionate to create **Project MHZ** - an interactive learning website designed to make learning about robotics, hardware, and behavioral AI fun and easily approachable for everyone in the world.

2, WHEN WAS DONE: THE WHOLE DAY (FROM MORNING TO EVENING)

T E A M
W H Z



3, LESSONS LEARNED:

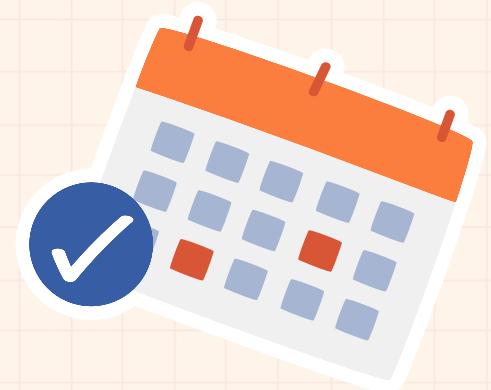
- Improving designing skill
- Getting to know more about the teammates
(due to the strengths of the weaknesses
that covered in the Rough Plan)

4, ISSUES:

- We all struggled with designing stuff
- Coming up with hardly any ideas for our team's logo

5, NEXT STEP:

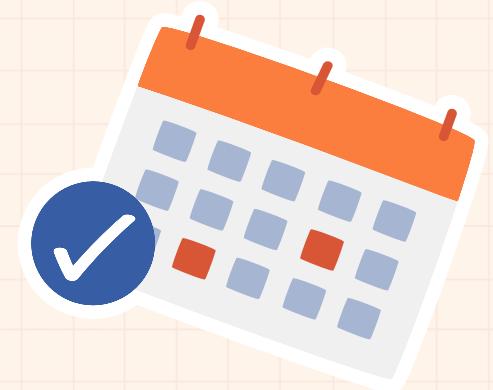
- getting deeper learning in designing
- updating personal log
- updating project log
- discussing about the To-do list task



H, 26TH SEP 2024



H, 26TH SEP 2024

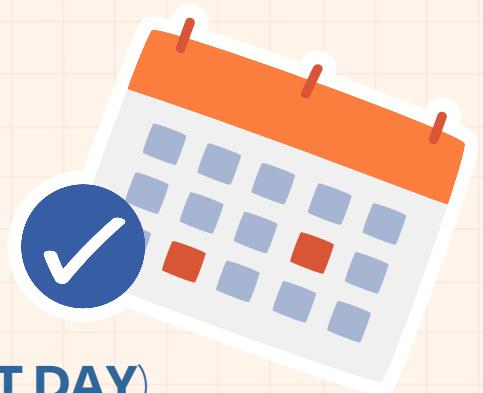


1, WHAT WAS DONE:

- hold the first midnight meeting
- Mango distributed the field for members to research
- Ryan did a bit of research on Behavioral AI and explained his findings to everyone
- Jade did a bit of research on Hardware
- Jade and Tony got a deeper learning about Machine Learning- supervised category (including classification and regression in elective courses held by BIT)
- Everyone decided to take a look on past students's works (IM HEXA (aka the best one so far), B&B, meishi) and look at what they did well, what they didn't do well, and more importantly, how WE can do even better
- Ryan and Darrel teaches Mango, Jade and Tony how to cite references
- Mango and Darrel also fixed the logo a little



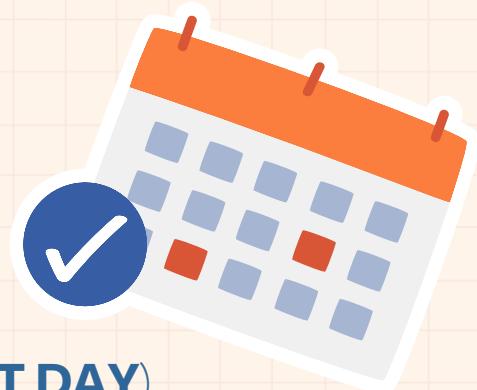
H, 26TH SEP 2024



2, WHEN WAS DONE: 11:20P.M-2:00 A.M (THE NEXT DAY)



H, 26TH SEP 2024



2, WHEN WAS DONE: 11:20P.M-2:00 A.M (THE NEXT DAY)

Introduction to Behaviorist AI

The overview: Behaviorist AI focuses on practical applications and observable outcomes, often used in robotics, game playing, and various decision-making systems.

The explanation: Behaviorist AI refers to a paradigm in artificial intelligence that emphasizes observable behaviors and actions rather than internal processes or consciousness.

Explanation about behaviorism in psychology: Drawing from behaviorism in psychology, this shows how systems can learn from and adapt to their environment through reinforcement and stimuli.

There are technically 4 key concept:

1. Reinforcement learning.
2. Observational learning.
3. Behavioral cloning.

Hardware & Networks

1, Number systems

1, Definition:
- is a method of writing numbers that is a mathematical way of representing the numbers of a given set by mathematically using numbers or symbols.
byjus.com/posted-on/April-11-2023/

2, Usage:
- provides a unique representation of every number
- represents the arithmetic and algebraic structure of the figures
- allows people to operate arithmetic operations like addition, subtraction, multiplication and division
<https://byjus.com/math/number-system/>

3, Compositions:
The value of any digit in a number can be determined by:
- The digit
- Its position in the number
- The base of the number system
<https://byjus.com/math/number-system/>

Chuyển sang định dạng không phân chia theo mặc định

Tiết kiệm thời gian định dạng bằng cách đặt định dạng không phân chia làm chế độ mặc định cho mọi tài liệu mới. Bạn có thể thay đổi chế độ này bất cứ lúc nào bằng cách vào trình đơn Tệp rồi chọn mục Thiết lập trang. Tìm hiểu thêm

00:27	lexue.bit.edu.cn	Course: 计算机科学导论 (全英文) 2022-2024年 (Research) , Week: IM Hexa (Big Picture 2023-So far, the best)
00:27	lexue.bit.edu.cn	-CodeBlock Carnival -
00:25	lexue.bit.edu.cn	-HAVE FUN-
00:24	lexue.bit.edu.cn	计算机科学导论 (全英文) 2022-2024年 (Research) : Computer & Data
00:23	drive.google.com	Computer&DataVideo_Nanya - Google Drive
00:22	lexue.bit.edu.cn	计算机科学导论 (全英文) 2022-2024年 (Research) : PART I - Computer and Data
00:22	lexue.bit.edu.cn	Course: 计算机科学导论 (全英文) 2022-2024年 (Research)
00:16		PROJECT LOG (BIG PICTURE-IM HEXA)
00:15	lexue.bit.edu.cn	计算机科学导论 (全英文) 2022-2024年 (Research) : Project logs
00:15	lexue.bit.edu.cn	Course: 计算机科学导论 (全英文) 2022-2024年 (Research) , Week: B&B (Hardware 2023)
00:15	lexue.bit.edu.cn	计算机科学导论 (全英文) 2022-2024年 (Research) : Interactive Content

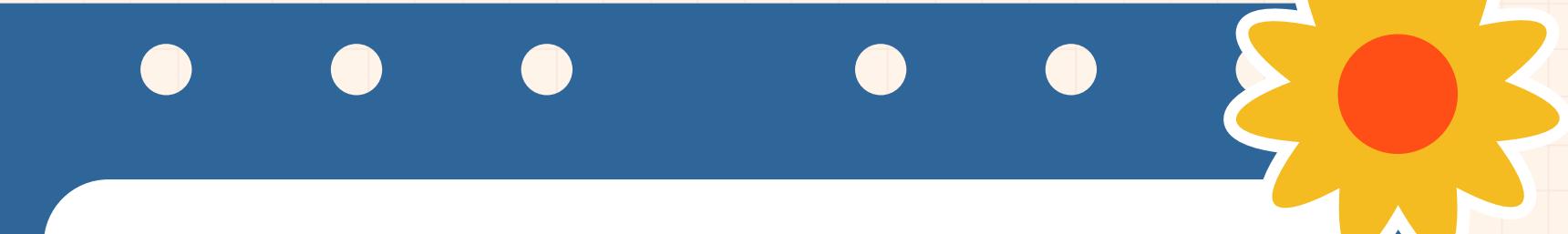




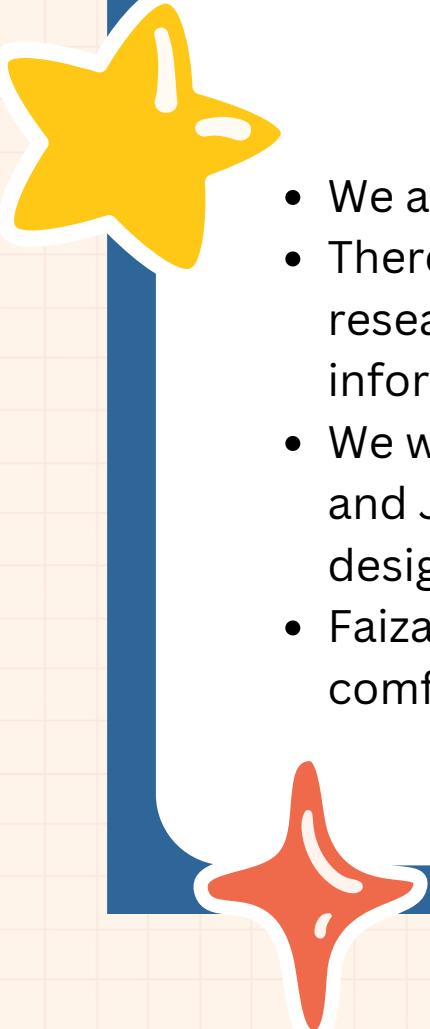
3, LESSONS LEARNED:

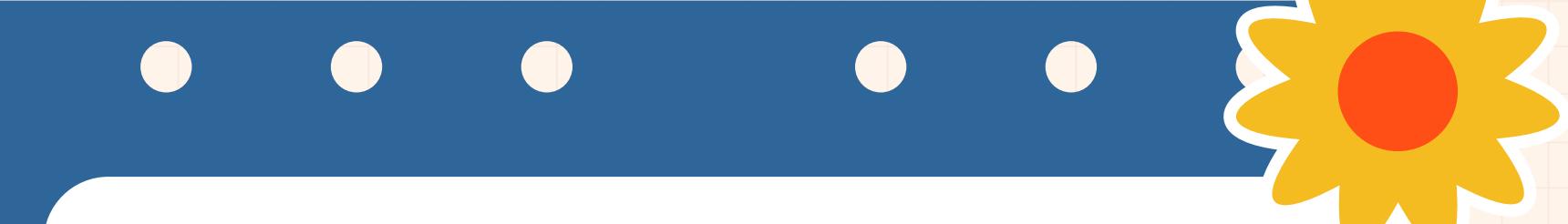
- Improving designing skill
 - Getting to know the field that every person held responsibilities for
 - Getting to know more about Behavioral AI
 - Getting to know more about Hardware
 - Getting to know more about Machine Learning
 - Getting to know more about citing references
 - Getting experiences from the previous students with their paper works
- 
- 

6



4, ISSUES:

- We all struggled with designing stuff
 - There were so many sub-fields and resources for researching, so that we had to carefully sort and filter the information
 - We were all tired of running deadlines at midnight (2 a.m, and Jade couldn't even sleep till 5 a.m because she had to design for our team)
 - Faiza couldn't attend the meeting because she isn't comfortable with entering another person's room.
- 



5, NEXT STEP:

- getting deeper learning in designing
 - updating personal log
 - updating project log
 - updating To-do list task
 - holding the team meeting with full of the members
 - focusing on the deadline on 29/09
- 
- 

5, NEXT STEP:

Name	Points	Proof
Mango	100	Kept charge of the whole team's discussions
Tony	100	Did the meeting logs for everyone
Jade	100	Started the research on hardwares
Darrel	100	Redesigned the logo
Ryan	100	Started the research on Behavioral AI

J, 27TH SEP 2024

J, 27TH SEP 2024



1, WHAT WAS DONE:

- held the second meeting with full of the members
- highlighted whether our team should do classic Moodle project or make a separate website (following professor's response)
- decided to make Mango test website making first for the first week to see if it's viable.
- added a small investigative journalism phase to the researching phase (aka to test out the senior's products after researching).
- - clarified that what exactly is in the website is only going to be discussed in the preparation phase. (Jade was asking for this one)
- - agreed that everyone should complete design their own personal log
- - fixed the logo part 2



2, WHEN WAS DONE: 15:00 P.M-18:00 A.M



3, LESSONS LEARNED:

- Improving designing skill
- Differentiating between Moodle project and making process website (by their strengths and weaknesses)
- Getting access to the new phase- journalism (and mb gonna be new skill as well) (It's actually just a fancy way to say we're stalking the previous projects - Mango)

4, ISSUES :

- None, everything went very smoothly (vai ca lon ai bao the) (smoothly ma h 4h53 bo m ch dc di ngu a) (shhhh)

5, NEXT STEP:

- completing personal log
- completing project log
- completing To-do list task
- focusing on the deadline on 29/09

5, NEXT STEP:

Name	Points	Proof
Mango	100	Presented the concept of Moodle and webs for everyone
Tony	100	Completed his personal logs
Jade	100	Continued to design the to do list and rough plan
Darrel	100	Completed his personal logs
Ryan	100	Completed his personal logs
Faiza	100	Completed her personal logs + Kept charge of the meeting logs

kindness

THANK YOU

