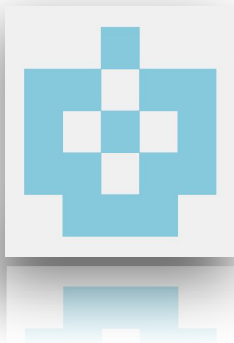# Team/ Instructor VLOG #5

Team Apollo
Kecheng Yu
Yilin Ren
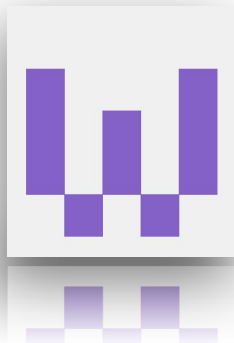Zhuo Chen
Ziwen Tan

Team member introductions kely

Kecheng Yu
Backend developer

Zhuo Chen
Frontend developer

Ziwen Tan
Backend developer

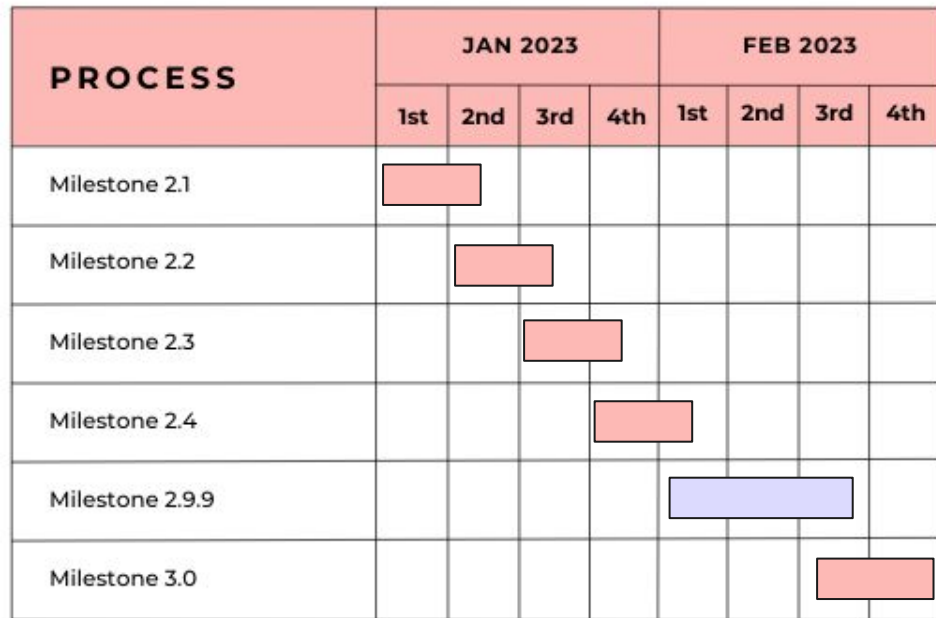Yilin Ren
Frontend developer
Team Scrum management

Project blurb

- Optimal path
- Time saving

Ezparking Project Management
Gantt Chart

PROCESS	JAN 2023				FEB 2023			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Milestone 2.1	■							
Milestone 2.2		■						
Milestone 2.3			■					
Milestone 2.4				■				
Milestone 2.9.9					■	■		
Milestone 3.0							■	

MileStone 2.9.9 -> Beta Version 1

Backend Department 🟪

- Fix various APIs
- Optimize database table structure
- API documents

AI Department 🔲 🔥

- [Fixing AI detector pause issue when detected a vehicle](#)

Frontend Department 🔥 🟢

- Finish Ezparking Client App
- [Fix bug on Myadmin App](#)

Kecheng Yu   Chen (Kely) Zhuo   Ziwen Tan   Yilin (Kevin) Ren

Ezparking Project Management
Gantt Chart

PROCESS	JAN 2023				FEB 2023			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Milestone 2.1	▓							
Milestone 2.2		▓						
Milestone 2.3			▓					
Milestone 2.4				▓				
Milestone 2.9.9					▓			
Milestone 3.0							▓	

MileStone 3.0 Testing

Code Test Department

- Ezparking Backend code test
- Ezparking Client App code test
- Ezparking Myadmin code test
- Ezparking AI detector code test

User Test Department

- Client App user test
- Myadmin App user test
- Ai detector user test

Kecheng Yu   Chen (Kely) Zhuo   Ziwen Tan   Yilin (Kevin) Ren

Demo

Client

- Zhuo Chen

Myadmin

- Yilin Ren

Demo & AI technology update

Problem:

1. The python libraries (both urllib.request and requests) which support internet calls is a synchronized process, and it will block threads for sure!
2. Python GIL(Global Interpreter Lock) allows only one thread to hold control of the Python interpreter.

Solution:

1. Multi Thread
2. **Multiprocess**
3. Coroutine

Code & detail:

https://github.com/kevinren1108/Apollo-Capstone-Project/pull/47

Next up

We will focus on testing over the next few weeks

- Myadmin code test
- Back-end code test
- AI algorithm code test
- Client side App code test

UI optimization

Team reflection/retrospective

- Our project is going well,is green status.
- We've done most of the work, except for reconciliation between the front-end and the back-end on the client side.
- After that, we need to pay more attention to our report and our project introduction.Let those who have not learned our project can easily understand what our project solves and how to work.