

Rock Panda

Closing The Distance between you & knowledge



RAG AI teaching assistant





Midterm is coming...

I'm so anxious... so anxious... so anxious... so anxious... so anxious...

What did the professor teach?

Not sure what the professor will include in the exam..

I'm unsure who to ask...



Rock Panda

The Panda, who deferred graduation for years,

- With an exceptionally rich test-taking experience
- Knows people wherever they go

Your personal tutor to help with exam anxiety!

Your personal tutor to help with exam anxiety!

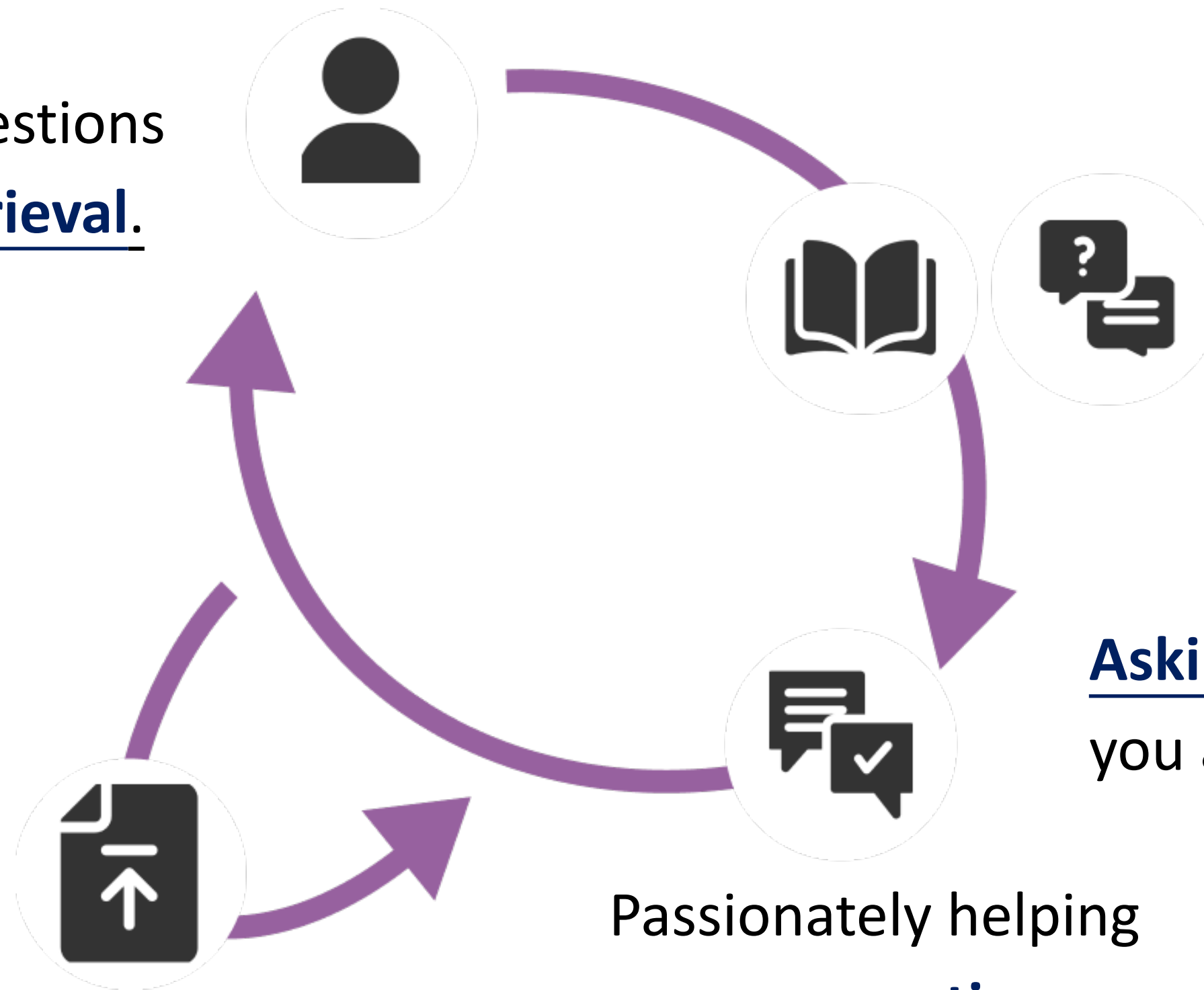
Numerous exam questions
in mind for easy retrieval.

Generates similar
questions to enhance
your comprehension.

Accepting student-
submitted questions
for instructional
growth.

Asking test questions for
you anonymously.

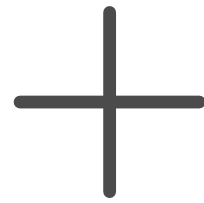
Passionately helping
answer questions.



Chat Q&A

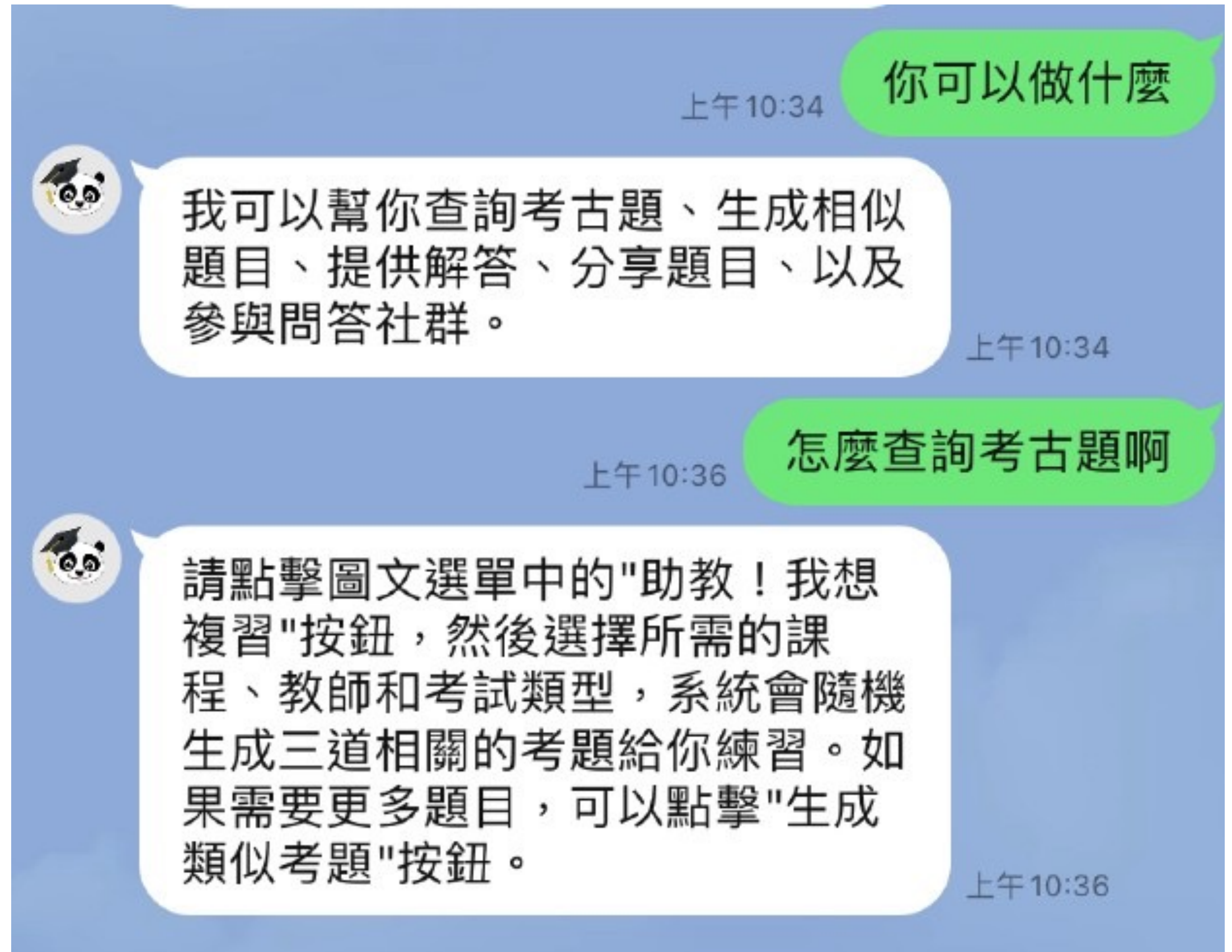


LLM



Documents

Retrieval Augmented
Generation



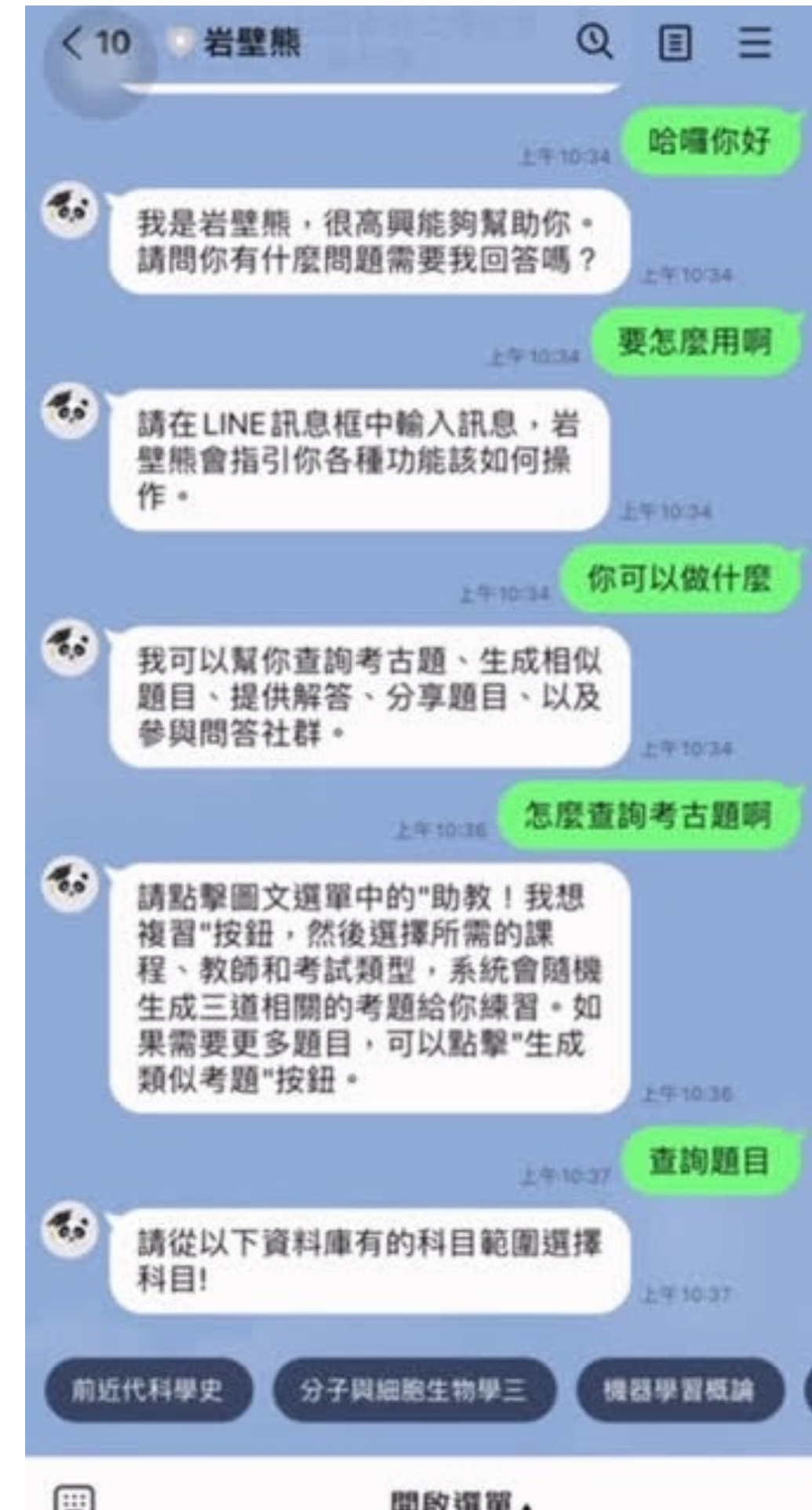
Teaching Assistant ! I want to study

◆ Inquiry about exam questions

Subject: Calculus

Professor: Currently

Exam Type:
Quiz/Midterm/Final



Will someone know this?

Ask the question

Field: XXX Question: I don't understand a certain aspect of XXX.

View and delete personal question history

Browse questions and provide answers



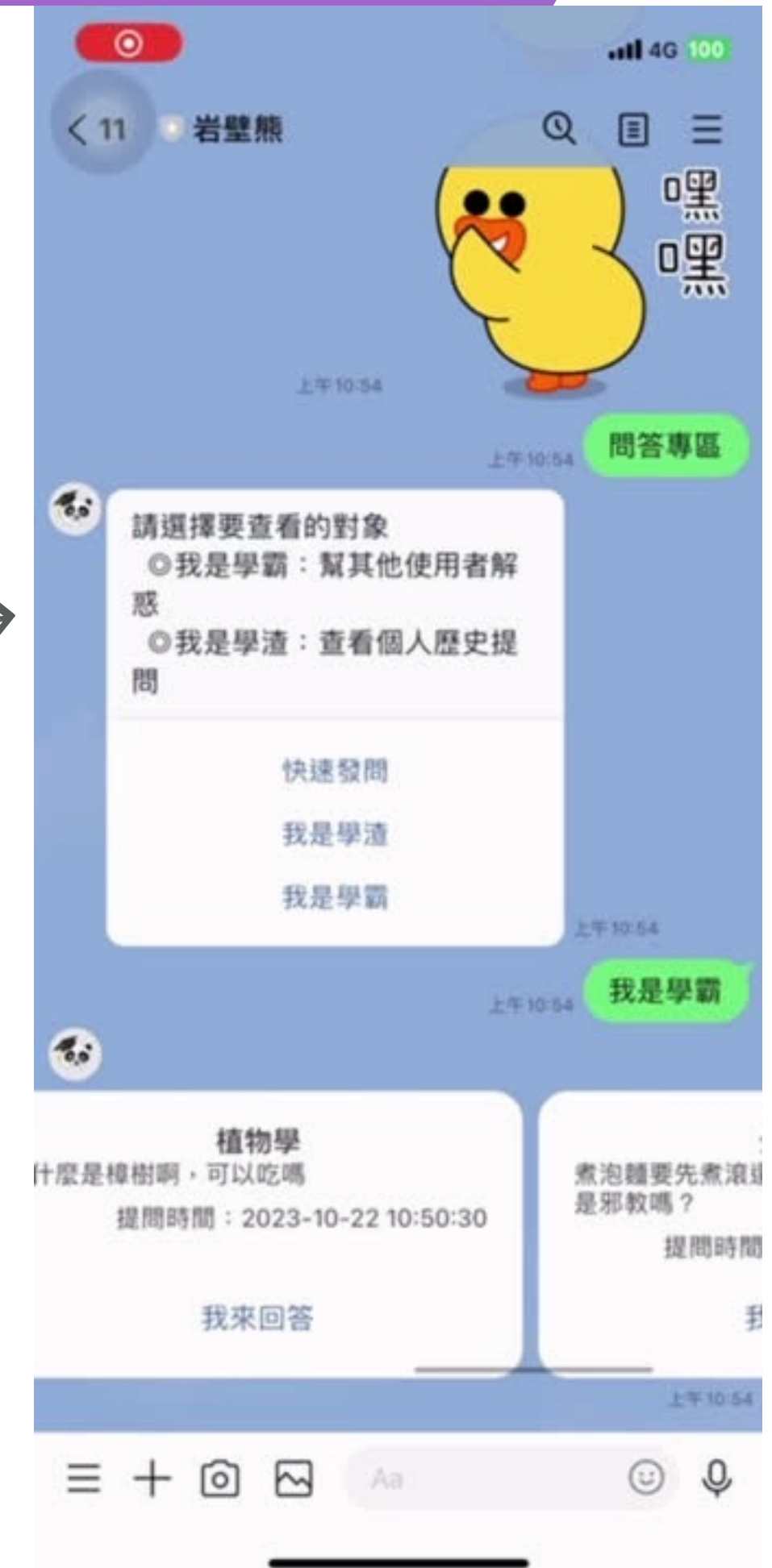
Will someone know this?

Ask the question

Field: XXX Question: I don't understand a certain aspect of XXX.

View and delete personal question history

Browse questions and provide answers



Contribute your knowledge.



Upload a file

1. Enter exam question information
2. Send files to the chat room

Inquire about previously uploaded results

Display user-uploaded files and the status of the file

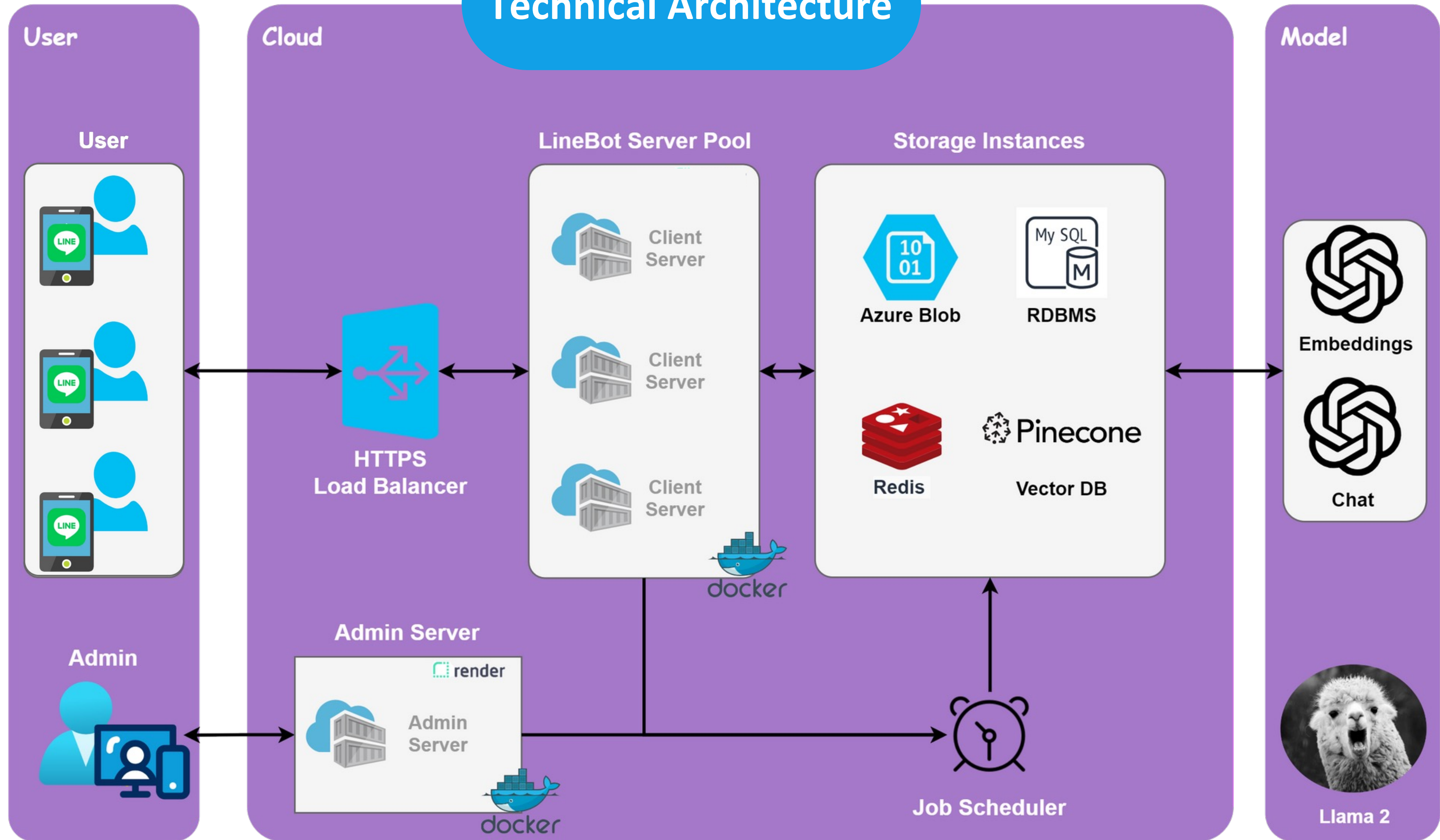


Technical Architecture

Desire for strength ?



Technical Architecture





Future Potential





Improvement direction



Teaching assistants in-class features



Embedding textbook database



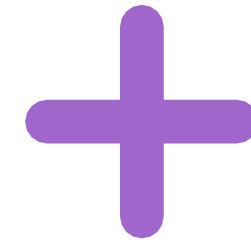
Automating the review process

Enhancing the ETL process

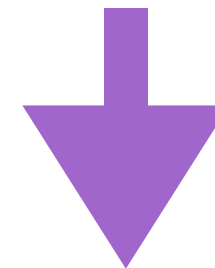


Operational mechanism

◆ User-contributed questions



◆ An open and privacy Q&A platform

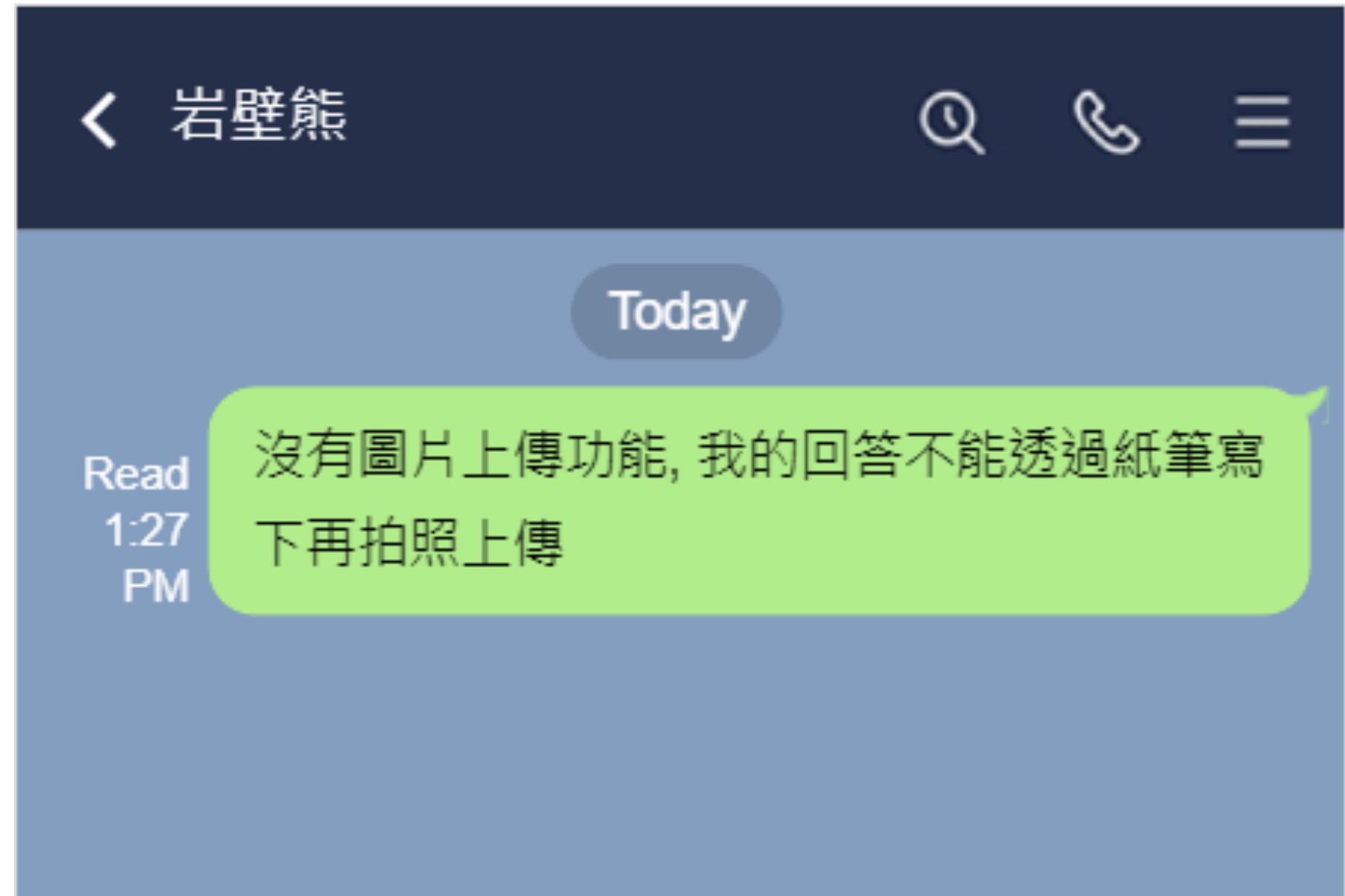


◆ User community



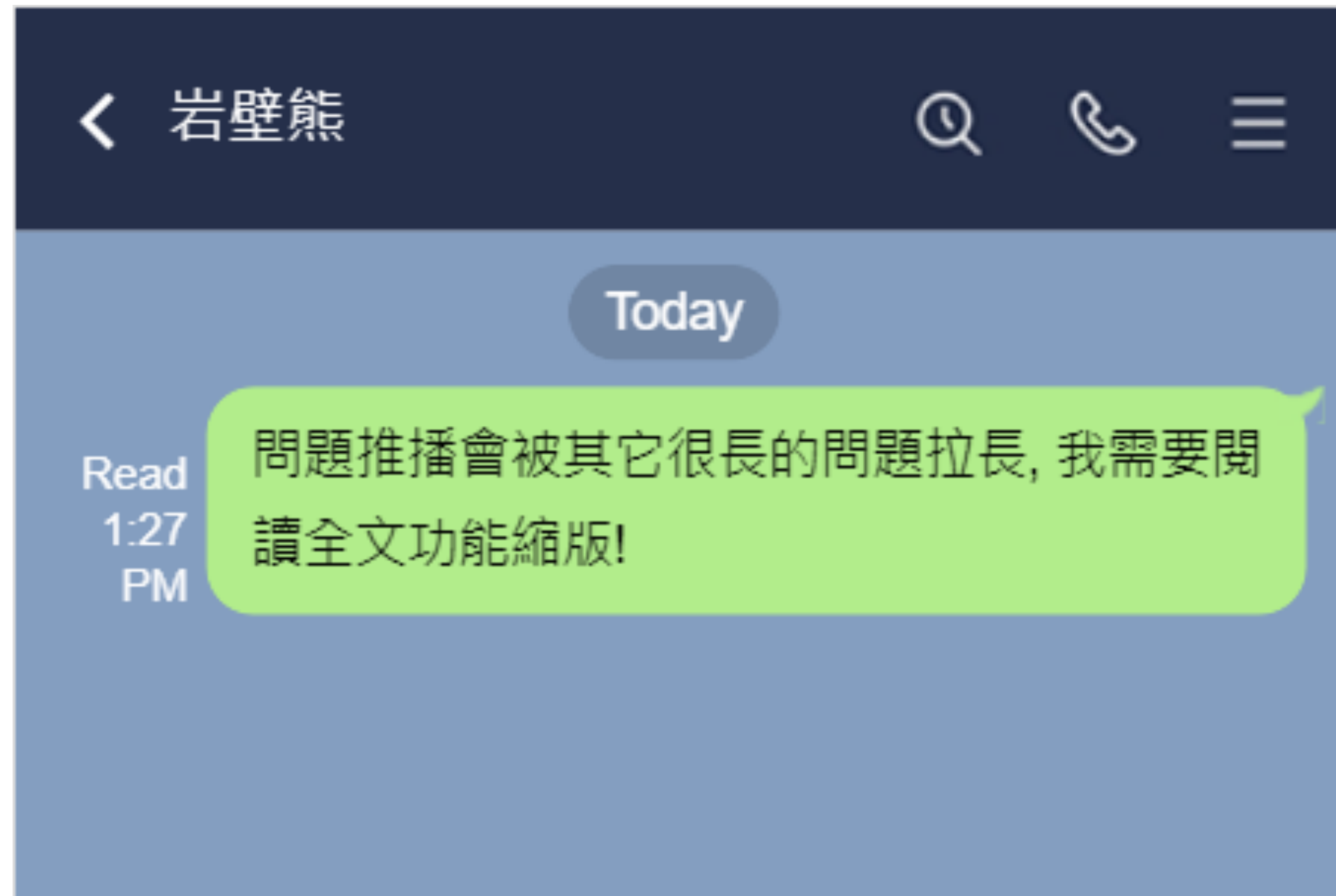
User feedback

I hope for support
for image uploads



User feedback

I hope for the ability
to read the full text



File upload review dashboard

<https://rag-hackthon-admin.onrender.com/review>

Document Infomation							
用戶	檔案名稱	教授	科目	類型	文件狀態	審核狀態	
	PreMS_midterm.pdf	琅元	前近代科學史	期中考	未審核	Check	
						Success	
						Failed	
	PreMS_final.pdf	琅元	前近代科學史	期末考	未審核	Check	
						Success	
						Failed	

