

2190101 Computer Programming

ACADEM CHATBOT

Information and Communication Engineering (ICE)

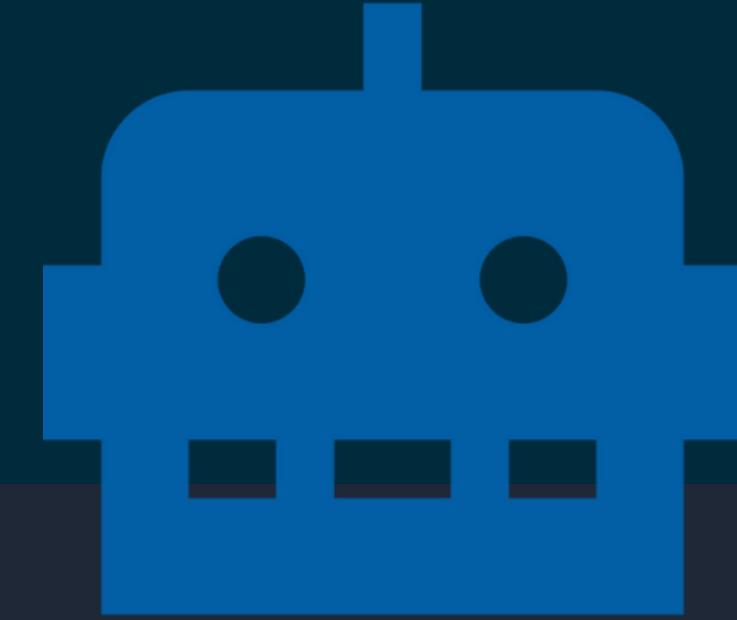
PROJECT PRESENTATION

Presented by Anapat Leemakdej
November 16 2025

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Members

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Welcome to Academ



Your Intelligent Educational Assistant at Chulalongkorn University

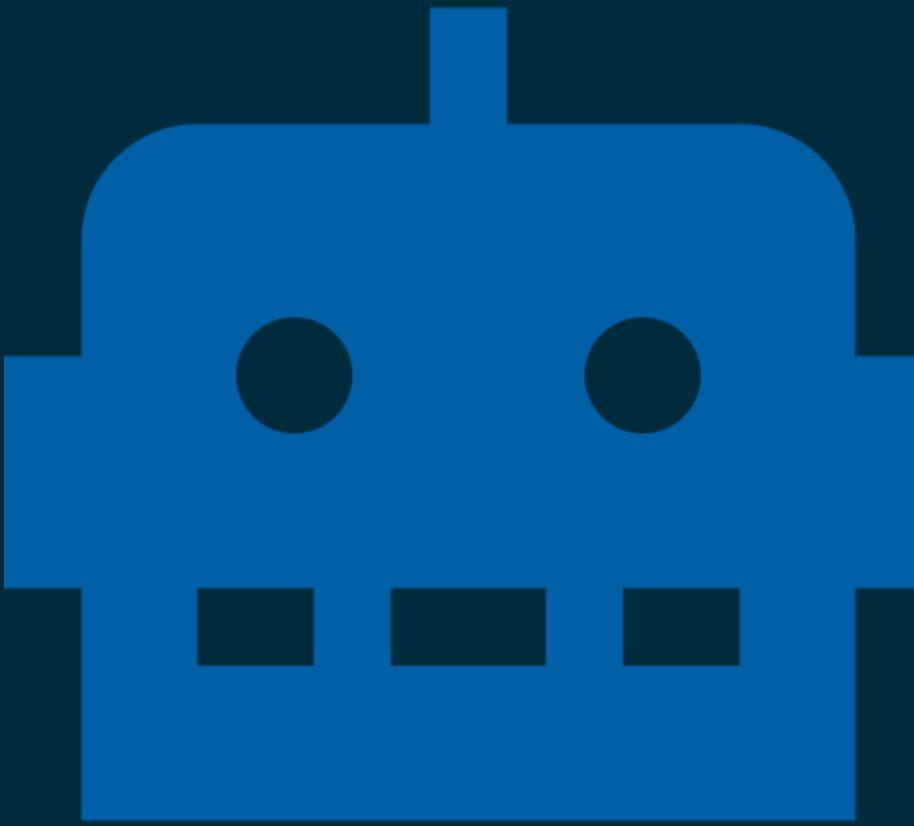
“Our mission is to empower Chulalongkorn University students with instant, accessible, and reliable academic assistance through an intelligent AI-powered chatbot that supports independent learning, enhances understanding, and improves student success across all disciplines.”

What is Academ?

- A chatbot designed to help CU students get instant academic support

It provides help for:

- Calculus
- Physics
- Computer Programming
- Project Management
- General university questions



“Accessible, easy-to-use learning support tool”

Problems students face:

1

SLOW ACCESS TO ACADEMIC INFORMATION

2

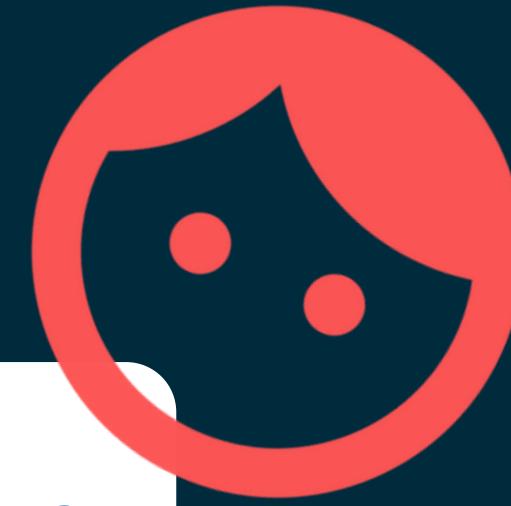
DIFFICULTY UNDERSTANDING COURSE CONTENT ALONE

3

NEED FOR ON-DEMAND SUPPORT

4

LACK OF PERSONALIZED ACADEMIC GUIDANCE





NAME

the user's name

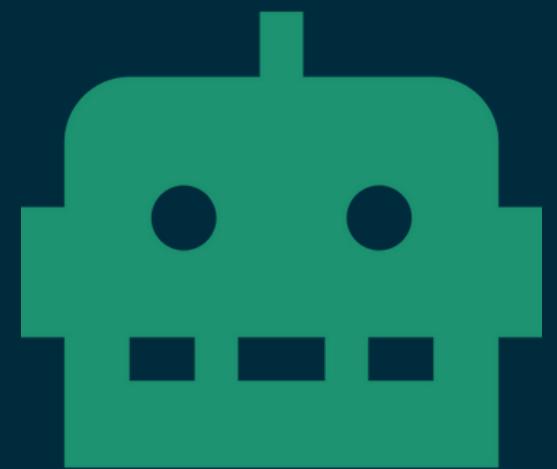
AVATAR

their emoji of choice

PROMPT

the question they want to
ask the chatbot

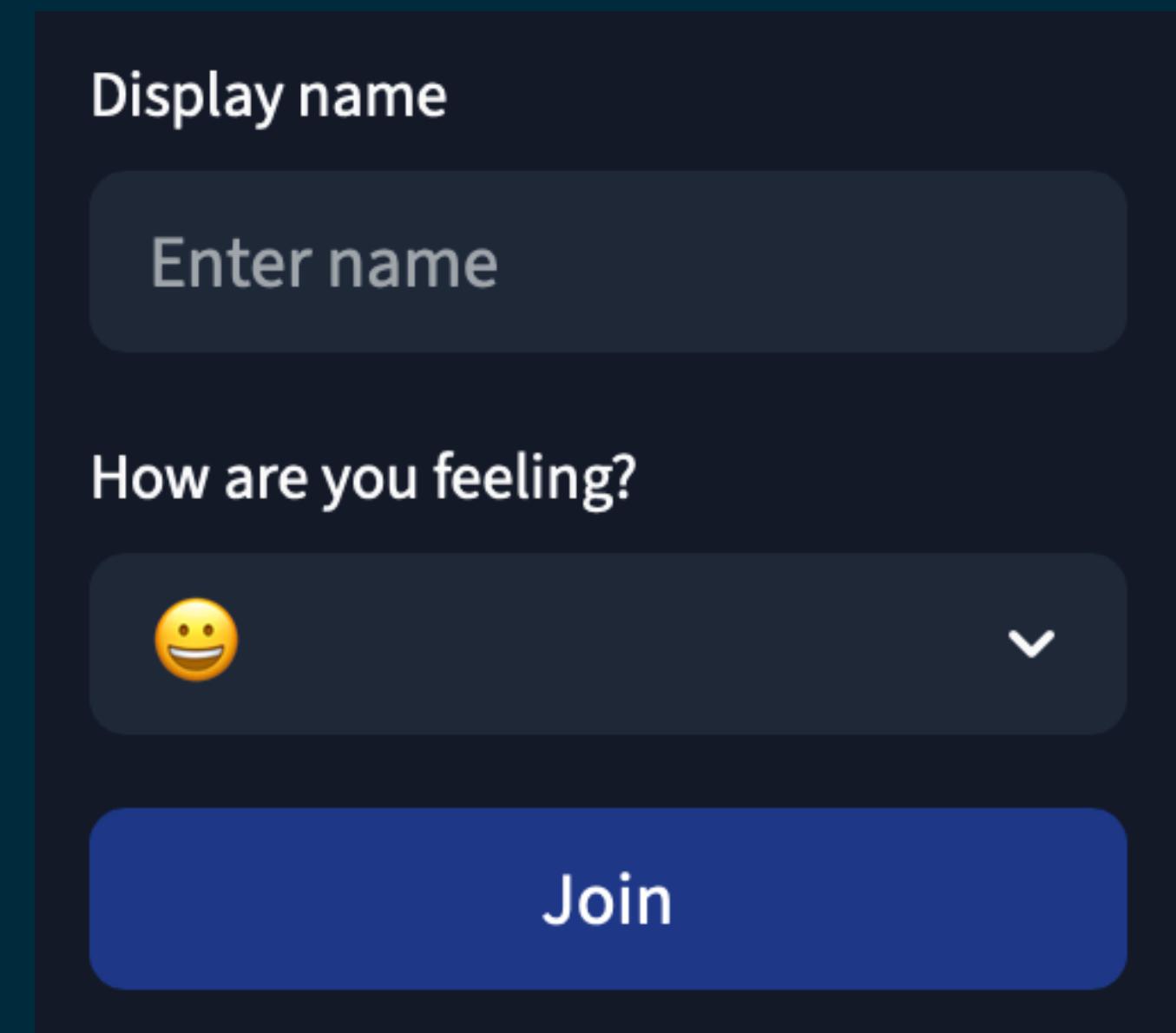
Input & Output



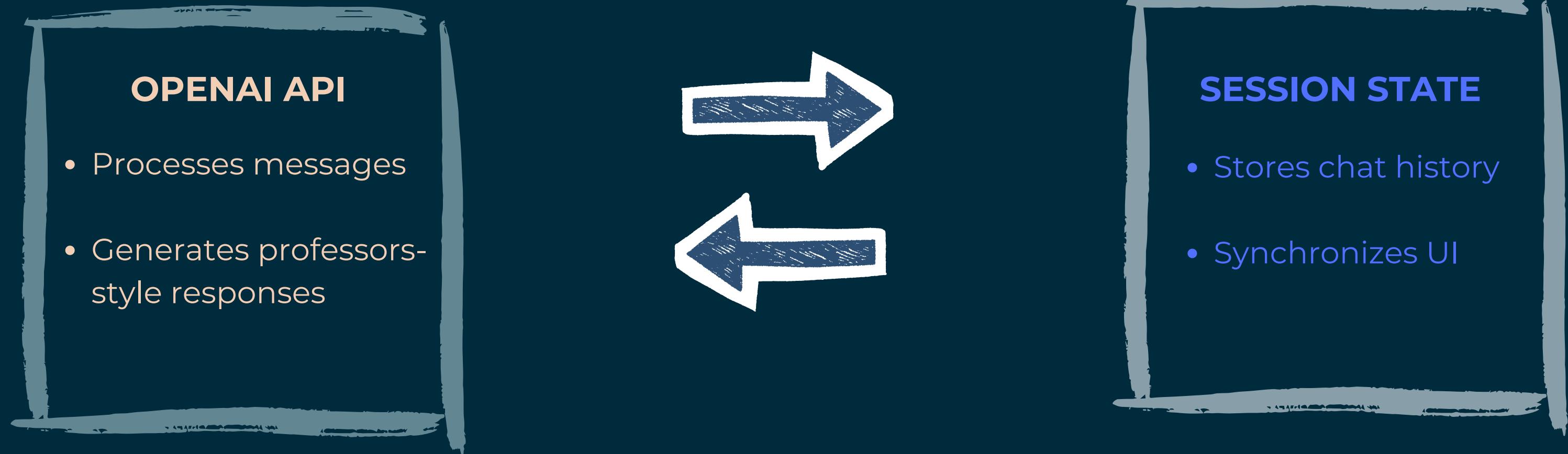
OUTPUT

- AI-generated academic response
- Content-aware
- Different answer tone depending on selected professor page

Input examples:



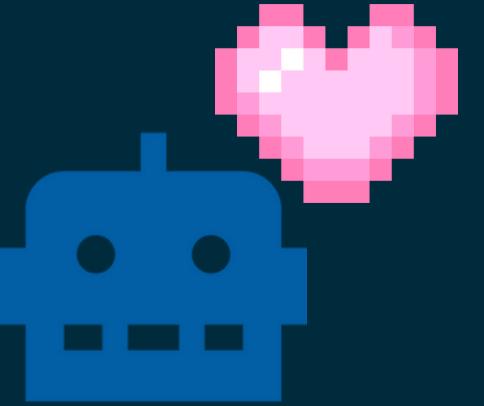
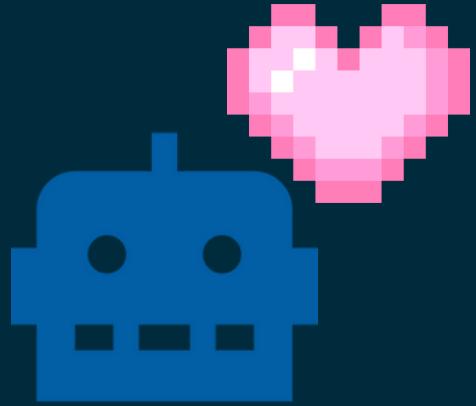
System Architecture Overview



LIVE DEMONSTRATION

Project Requirements

Requirement	How Academ Satisfies It
External Libraries	Uses Streamlit + OpenAI
100+ lines	Combined code exceeds requirement
5+ functions	Multiple functions for messaging, UI, processing
Python fundamentals	if-else, loops, lists, dicts, strings
Difficulty	GPT-powered chatbot
Code quality	Modular, readable, structured
Report requirements	Includes objective, I/O, libraries, code explanation, declaration



THANK YOU!

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