



會巧又易`旺濟

Brain-Boosting Board Games x AI Personalized Answers to Help You
Learn Accounting with No Pressure

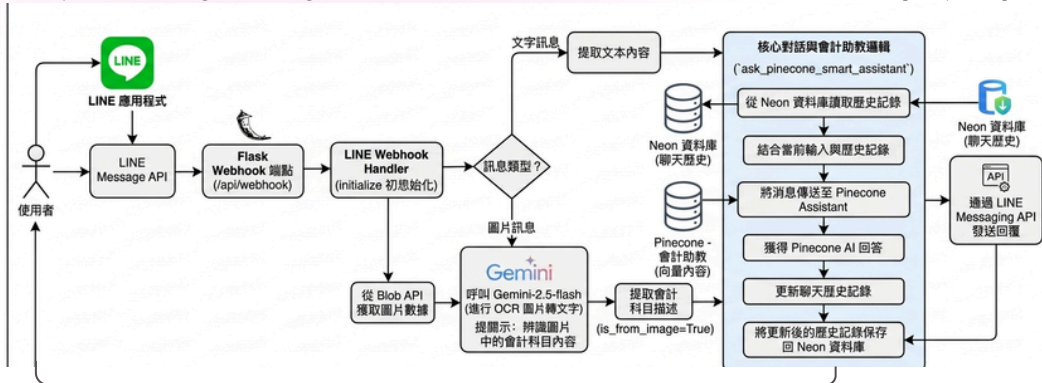


Project Motivation

Our team aims to help business students improve their accounting performance. **Through gamification**, players can experience core accounting workflows and hands-on practices, gaining a realistic understanding of daily operations. Furthermore, **powered by generative AI**, the platform delivers **personalized guidance and clarifications** tailored to each player's needs.

System Architecture & Workflow

The system is designed using Pinecone, Gemini, and the LINE API. Below is the step-by-step workflow



AI-Powered Customized Assessment

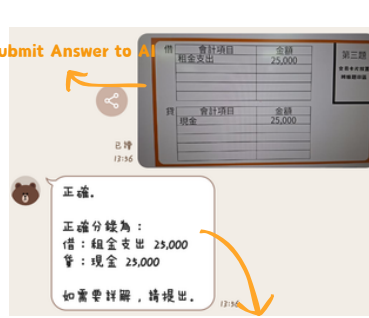
The game recognizes handwritten board answers from images and automatically detects whether they are correct or incorrect

LINE Bot Teaching Dialogue
(Example 1: Incorrect Answer)

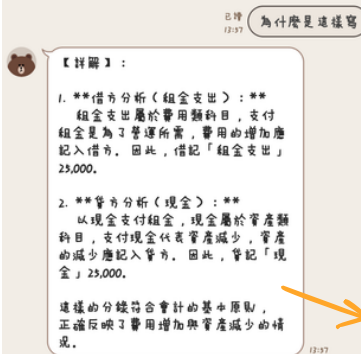


AI Detection: Compares data and shows result

LINE Bot Teaching Dialogue
(Example 2: Correct Answer)



AI Detection: Compares data and shows result

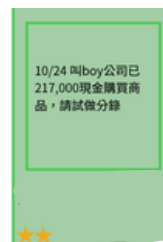


Conversational Memory: The system **retains memory** of prior exchanges to deliver continuous, personalized Q&A

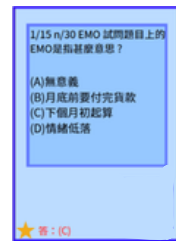
AI Provides Detailed Explanation

Board Game Components & Props

1. Transaction Cards
Features a 5-star difficulty rating scale located in the bottom-left corner of the card

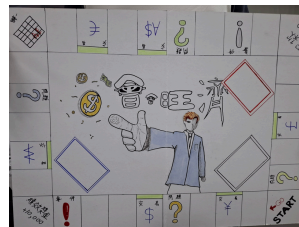


2. Question Cards:
Multiple-choice question cards containing the difficulty metric and the answer key on the bottom-left.



4. Game Board

There are many grid spaces. Use the dice to determine how far you go.



3. Event Card

As shown, the middle of the card displays an event that brings a loss or a benefit.

