

組別 **Team ID**：202511

專題屬性 **Category**：多功能網站系統（**Website System Design**）

專題名稱 **Project**：一「課」搞定！（**One-stop Education Management System**）

一、指導老師 **Advisor**：呂慈純老師（**Tzu-Chuen Lu**）

三、組員 **Team members**：江晨瑩（11114029）、曾雅羚（11114069）、丁于鈞（11114083）、李韋諄（11114098）、游皓雯（11114113）、魏玉樺（11114167）

系統環境 **System environment**：

（一）軟體 **Software**：

作業系統 **Operating System**: Windows11

語言 **Programing language**: PHP、JS、CSS

開發工具 **Toolkits**: Visual Studio Code、phpMyAdmin、google apps script、make、wampserver、LINE、chatbit

（二）硬體 **Hardware**：

CPU: Intel Core i9-14900K；硬碟: 1TB M.2 PCI-E；記憶體: 32GB；顯示器: NVIDIA RTX A1000。

四、簡介：

（一）系統簡述（系統的主要功能）

《一課搞定》是一個多端整合的智慧教育管理平台，專為教育機構與課程提供者打造，平台分為使用者、會員、老師與管理者四大角色，透過資料庫實現即時同步與跨端協作，整合課程查詢、購課、繳費、簽到、授課紀錄、出勤追蹤、退費、優惠與報表分析等功能，使用者可依權限於電腦或手機操作，管理者可於後台進行設定與管理，全面推動教育流程數位化與智慧化，提升教學與行政效率。

（二）特色（系統的亮點）

- 多端整合：四大角色共用資料庫，資料即時更新，確保跨端資訊一致。
- 自動化繳費：整合 LINE Pay 等支付方式，系統自動紀錄並發送繳費通知。
- 智慧提醒：即時通知課程異動、出勤與繳費狀態，提升互動效率。
- 教師管理：提供排課、簽到與授課紀錄功能，簡化教學管理。
- 權限管理：依角色設定操作權限，確保資料安全與管理清晰。
- 數據分析：整合報表與視覺化數據，協助決策與流程優化。
- AI 小助理：自動回覆與智慧建議，提升使用體驗。

五、Introduction：

Introduction

"One-Stop Education Management System" is a multi-platform smart education management platform designed for educational institutions and course

providers. The system includes four main roles—users, members, teachers, and administrators—and achieves real-time synchronization and cross-platform collaboration through a centralized database. It integrates features such as course search, purchase, payment, attendance check-in, teaching records, attendance tracking, refunds, discounts, and report analysis. Users can access the system via computer or mobile device according to their permissions, while administrators can manage settings and data through the backend. Overall, the system fully digitalizes and intelligentizes the educational process, enhancing both teaching and administrative efficiency.

Features

- **Multi-platform Integration:** The four key roles share a centralized database; data is updated in real time, ensuring consistency across platforms.
- **Automatic Payment:** Integration with payment methods such as LINE Pay automatically records transactions and sends payment notifications.
- **Smart Reminders:** Provides instant notifications of course changes, attendance, and payment status, improving interaction efficiency.
- **Teacher Management:** Provides class scheduling, check-in, and teaching record keeping functions to simplify teaching management.
- **Permission Management:** Role-based permission settings ensure data security and clear management.
- **Data Analysis:** Combines reports and data visualizations to support decision-making and process optimization.
- **AI Assistant:** Supports voice course selection, automatic replies, and intelligent suggestions, enhancing the user experience.