

ALEXIA HSU 許舒媛

FULL STACK DEVELOPER

Passionate full-stack developer with experience in building scalable and efficient applications. Skilled in both front-end and back-end development, constantly learning and solving challenges.

• CONTACT



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<https://www.linkedin.com/in/alexiaoct25/>



台中市北區

• SKILLS

Project Planning & Management	★★★★★
Front-End Development	★★★★★
Back-End Development	★★★★★
Database Management	★★★★★
Version Control	★★★★★
Development Tools & IDEs	★★★★★
API Development (RESTful)	★★★★★
Multimedia & Design	★★★★★

• INTEREST

- **Developing Personal Side Projects**
Creating projects based on curiosity and interest, not limited by functionality but focused on creativity and exploration.
- **Exploring Art Exhibitions & Musical Theater**
Enjoying visual arts and live performances as sources of inspiration and creativity.
- **Learning Emerging Technologies Beyond My Skill Tree**
Continuously exploring new technologies outside of my current expertise to expand my knowledge.

• EDUCATION

2017/09-2019/06

國立暨南大學附屬高級中學
普通高中

2019/09-2024/01

朝陽科技大學
資訊管理系多媒體組

• EXPERIENCE

2022/02-2023/01

湯姆熊育樂事業股份有限公司
工讀生 Part-Time Assistant

2023/04-2023/10

全球首席科技有限公司
美編/前端工程師 Graphic Designer / Front-End Developer

2024/03-2024/11

合用系統有限公司
全端工程師 Full-Stack Developer

2024/11-Present

方勛資訊有限公司
軟體工程師 Software Engineer



前端開發技術

Front-end technologies enable the creation of interactive, responsive, and dynamic user interfaces, enhancing the overall user experience.

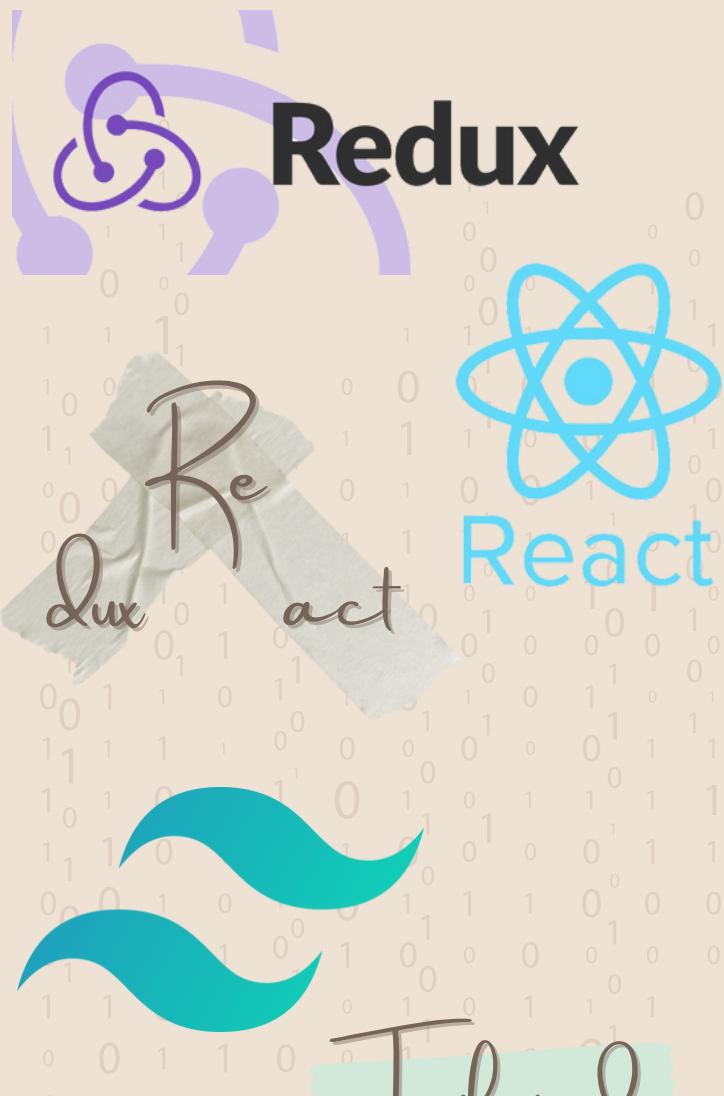
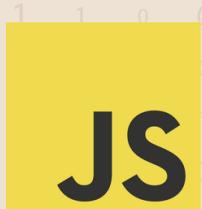
Front-End
Development
Technologies



Vue.js



TS



Tailwind



後端開發技術

Back-end technologies focus on server-side logic, database interactions, and API development to ensure seamless data processing and system functionality.

Back-End Development Technologies



Restful API

PHP



C#



Python

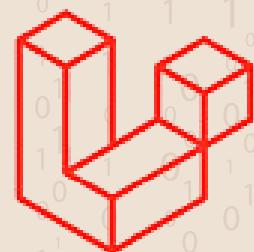


Node.js



.NET MVC

Asp.net MVC



Laravel

Laravel



資料庫與伺服器管理

Database and server management technologies store, retrieve, and process data efficiently while ensuring system stability and security.

Database & Server
Management
Technologies

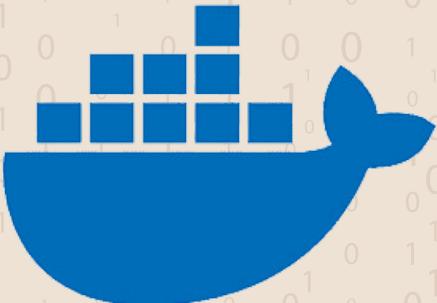


Microsoft®
SQL Server®



 Microsoft
IIS

Internet Information Services



docker





版本控制

Version control systems track and manage code changes, enabling efficient collaboration and maintaining code integrity across development teams.

Version Control Systems





開發工具與IDE

Development tools and IDEs improve code efficiency, debugging, and API testing, streamlining the development workflow.

Development Tools & IDEs



Visual Studio Code



Visual Studio



POSTMAN

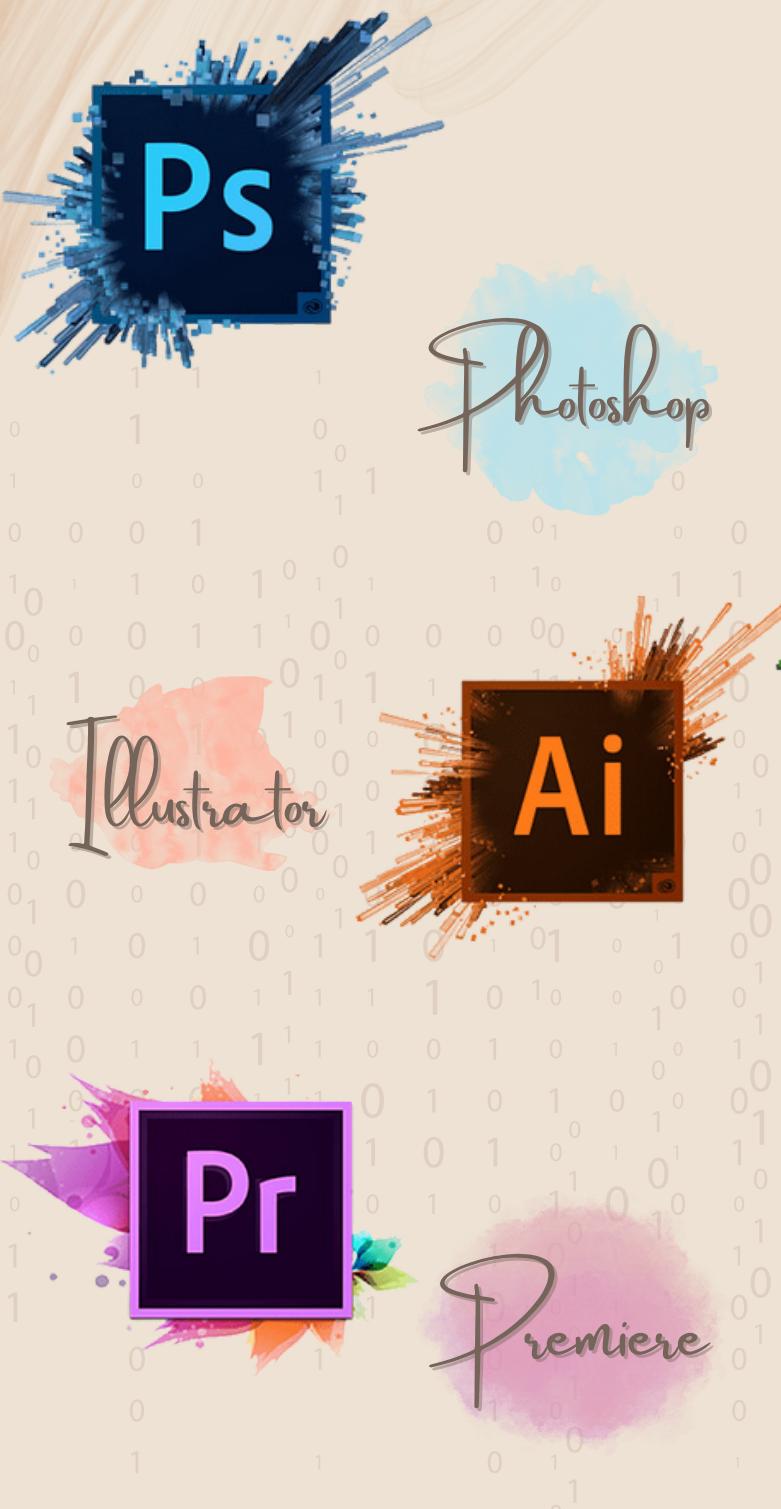




設計與多媒體技術

Design and multimedia technologies support visual content creation, graphic design, and 3D modeling, enhancing both digital and interactive experiences.

Design & Multimedia Technologies

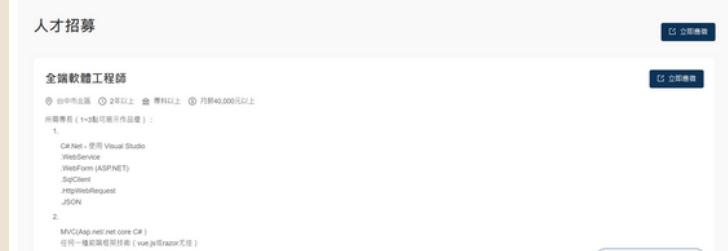
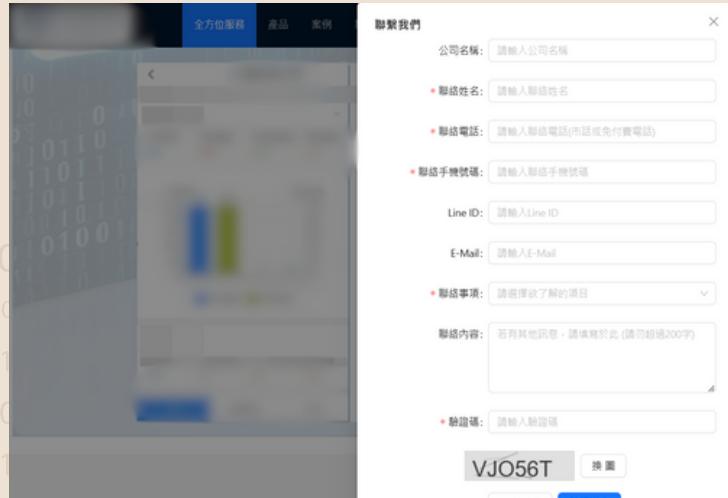




企業專案開發

Showcasing key development projects from professional work, with descriptions and visual demonstrations.

Enterprise Project Development



技術堆疊：

- 前端框架 : React
- 韻應式設計 : Bootstrap
- 後端架構 : ASP.NET MVC
- 設計工具 : Adobe Photoshop
結合 Leonardo.AI 生成式設計
- UI 元件庫 : Ant Design
- 電子郵件系統 : 基於 SMTP 協議

Technology Stack:

- Frontend Framework: React
- Responsive Web Design: Bootstrap
- Backend Architecture: ASP.NET MVC
- Design Tools: Adobe Photoshop combined with Leonardo.AI generative design
- UI Component Library: Ant Design
- Email System: SMTP-based protocol



企業專案開發

Showcasing key development projects from professional work, with descriptions and visual demonstrations.

Enterprise Project Development

Excel 轉換工具

Excel 檔案上傳

選擇檔案類型：
請選擇檔案類型
支車明細
支車明細

選擇檔案 未選擇任何檔案

預覽 **轉換**

名稱對應設定

原始名稱：
替換名稱：

新增

應用概述：

此桌面應用程式可處理兩種不同格式的Excel檔案，自動識別不同欄位結構並整合為客製化格式輸出。

系統具備智慧記憶功能，能記住特定欄位(A)的值與其對應轉換值，實現下次遇到相同值時的自動轉換處理。

技術堆疊：

- 前端框架 : TailwindCSS
- 後端技術 : Node.js
- 跨平台框架 : Electron

Application Overview:

This desktop application processes two different Excel file formats, automatically identifying various field structures and integrating them into a customized output format.

The system features intelligent memory capability, remembering specific values in designated fields (A) and their corresponding conversion values, enabling automatic transformation when the same values are encountered in future processing.

Technology Stack:

- Frontend Framework: TailwindCSS
- Backend Technology: Node.js
- Cross-platform Framework: Electron



企業專案開發

Showcasing key development projects from professional work, with descriptions and visual demonstrations.

Enterprise Project Development

114年度薪資所得扣繳稅額表
依有無配偶及受扶養親屬人數計算每月應扣繳稅額
〔有配偶者及無配偶者均適用〕

頁數：第1頁
單位：新臺幣元

配偶及受扶養親屬 每月薪資所得 扣繳稅額	0	1	2	3	4	5	6	7	8	9	10	11
80,001 ~ 80,500	0	0	0	0	0	0	0	0	0	0	0	0
80,501 ~ 81,000	0	0	0	0	0	0	0	0	0	0	0	0
81,001 ~ 81,500	0	0	0	0	0	0	0	0	0	0	0	0
81,501 ~ 82,000	0	0	0	0	0	0	0	0	0	0	0	0
82,001 ~ 82,500	0	0	0	0	0	0	0	0	0	0	0	0
82,501 ~ 83,000	0	0	0	0	0	0	0	0	0	0	0	0
83,001 ~ 83,500	0	0	0	0	0	0	0	0	0	0	0	0
83,501 ~ 84,000	0	0	0	0	0	0	0	0	0	0	0	0
84,001 ~ 84,500	0	0	0	0	0	0	0	0	0	0	0	0
84,501 ~ 85,000	0	0	0	0	0	0	0	0	0	0	0	0
85,001 ~ 85,500	0	0	0	0	0	0	0	0	0	0	0	0
85,501 ~ 86,000	0	0	0	0	0	0	0	0	0	0	0	0
86,001 ~ 86,500	0	0	0	0	0	0	0	0	0	0	0	0
86,501 ~ 87,000	0	0	0	0	0	0	0	0	0	0	0	0
87,001 ~ 87,500	0	0	0	0	0	0	0	0	0	0	0	0
87,501 ~ 88,000	0	0	0	0	0	0	0	0	0	0	0	0
88,001 ~ 88,500	0	0	0	0	0	0	0	0	0	0	0	0
88,501 ~ 89,000	2,020	0	0	0	0	0	0	0	0	0	0	0
89,001 ~ 89,500	2,040	0	0	0	0	0	0	0	0	0	0	0
89,501 ~ 90,000	2,070	0	0	0	0	0	0	0	0	0	0	0
90,001 ~ 90,500	2,090	0	0	0	0	0	0	0	0	0	0	0
90,501 ~ 91,000	2,120	0	0	0	0	0	0	0	0	0	0	0
91,001 ~ 91,500	2,140	0	0	0	0	0	0	0	0	0	0	0
91,501 ~ 92,000	2,170	0	0	0	0	0	0	0	0	0	0	0
92,001 ~ 92,500	2,190	0	0	0	0	0	0	0	0	0	0	0
92,501 ~ 93,000	2,220	0	0	0	0	0	0	0	0	0	0	0
93,001 ~ 93,500	2,240	0	0	0	0	0	0	0	0	0	0	0
93,501 ~ 94,000	2,270	0	0	0	0	0	0	0	0	0	0	0

應用概述：

此專案為 Excel 稅務資料庫轉換工具，專門處理【財政部-薪資所得扣繳稅額表】Excel 檔案。系統自動讀取年度稅表，將其轉換為結構化 SQL 查詢語句，便於資料庫導入操作。使用者只需將各年度 Excel 檔案放置於指定資料夾，系統即可自動生成對應的 SQL 檔案。

專案特色在於其批次處理機制—每個SQL查詢都設有最大記錄限制，有效降低資料轉換失敗風險，同時提升錯誤追蹤與問題溯源能力。系統生成兩種SQL檔案：完整版與分批版，確保資料導入過程的穩定性與可靠性。

技術堆疊：

- 開發環境：Node.js
- Excel 解析：xlsx (v0.18.5)
- 資料輸出：SQL 批次腳本

Application Overview:

This project is an Excel Tax Data Conversion Tool specifically designed for processing the "Ministry of Finance - Salary Income Withholding Tax Table." The system automatically reads annual tax tables and converts them into structured SQL queries for database import operations. Users simply place annual Excel files in the designated folder, and the system generates corresponding SQL files automatically. The project's key feature is its batch processing mechanism—each SQL query has a maximum record limit, effectively reducing data conversion failure risks while enhancing error tracking and issue tracing capabilities. The system generates two types of SQL files: complete version and batched version, ensuring stability and reliability throughout the data import process.

Technology Stack:

- Development Environment: Node.js
- Excel Parsing: xlsx (v0.18.5)
- Data Output: SQL batch scripts



個人開發作品

Designed and implemented side projects to explore new technologies and improve development skills.

Personal Development Projects

<https://finalpresentation.netlify.app/>

The screenshot shows a travel guide website. At the top, there's a world map and a date '2025/2/'. Below the header, a navigation bar includes '東亞' (East Asia), '南亞' (South Asia), '東南亞' (Southeast Asia), '西亞' (West Asia), '北亞' (North Asia), '東北亞' (Northeast Asia), and '中亞' (Central Asia). The '東亞' section is currently active, displaying '台灣' (Taiwan) and '中國' (China) with their respective maps and brief introductions. The '南亞' section is partially visible at the bottom.

2025/2/

東亞 南亞 東南亞 西亞 北亞 東北亞 中亞

カムズーイツ
東亞
East Asia

詳細介紹請點我

台灣
Taiwan

臺灣四面環海，是一座海島也是一座寶島，除了台北101、故宮、日月潭...等一些耳熟能詳的景點，其他在地的鄉城小鎮各有不同的特色風情，還能看到美不勝收的風景、生態；吃到各式各樣的美食，讓來到臺灣旅遊觀光的人能深度旅遊體驗小鎮風情。

中國
China

中國是世界上最多人口的國家，在各項發展上也有卓越的成績，因為領土很大，因此在中國可以看到許多不一樣的地形景觀以及多種氣候環境，不同的氣候也為中國各個地區帶來各式各樣的美食文化。景點更是不用說，多到數不完，能讓遊客玩得意猶未盡、流連忘返。

應用概述：

此網站為大學時期網頁設計（HTML）課程專題作品，主題為全球旅遊景點導覽平台。

專案聚焦於各國特色景點介紹，以純HTML及JavaScript技術開發，展現基礎網頁設計能力。

雖未使用Bootstrap或其他前後端框架，但成功運用基礎網頁技術呈現完整旅遊資訊網站，並透過Netlify平台進行部署與發布。

Application Overview:

This website is a university web design (HTML) course project focusing on global tourist attractions.

The platform serves as a comprehensive travel guide showcasing distinctive landmarks from various countries. Developed using pure HTML and JavaScript without Bootstrap, frontend frameworks, or backend technologies, the project demonstrates fundamental web development skills.

The completed travel information website was successfully deployed using the Netlify platform.



個人開發作品

Designed and implemented side projects to explore new technologies and improve development skills.

Personal Development Projects

樂透號碼產生器

成員管理

輸入成員名稱



新增成員

小媛



阿嬤

選擇遊戲

威力彩

大樂透

今彩539

39兼合彩

49兼合彩

3星彩

4星彩

BINGO BINGO

生成號碼

歷史記錄

應用概述：

此網站靈感源自農曆春節期間威力彩獎金飆升至數億元的盛況，當時正值AI生成樂透號碼的熱潮。我與AI交流，探究其號碼生成邏輯，進而開發出這款綜合性樂透助手。平台涵蓋【台灣彩券】全系列遊戲玩法，採用統計方法智能生成號碼。

系統特色在於其個人化功能——用戶可建立多個成員檔案，選擇特定成員及遊戲類型後，系統會依成員數量自動生成對應組數的號碼。平台同時提供完整的使用者管理系統，支援成員資料的新增、編輯及刪除，並具備個人化號碼生成記錄查詢功能。

技術堆疊：

- 後端技術：Node.js、Express.js、EJS模板引擎
- 前端框架：Tailwind CSS、Alpine.js、SweetAlert2
- 資料管理：JSON檔案儲存、Excel檔案匯出
- 響應式設計：支援多裝置顯示

Application Overview:

This website was inspired during the Lunar New Year when the PowerBall jackpot reached several hundred million dollars, coinciding with the trend of AI-generated lottery numbers. I researched and consulted with AI about number generation logic to develop this professional lottery number generation platform. The system encompasses all Taiwan Lottery game formats and employs statistical methods for intelligent number generation.

The platform's distinctive feature is its multi-user collaboration capability—users can add multiple members and automatically generate corresponding sets of numbers based on selected participants. The system provides comprehensive member management functionality (add/edit/delete) and supports filtering number generation history by personnel, delivering a personalized experience.

Technology Stack:

- Backend: Node.js, Express.js, EJS templating engine
- Frontend: Tailwind CSS, Alpine.js, SweetAlert2
- Data Management: JSON file storage, Excel file export
- Responsive Design: Multi-device display support



每日工作日誌

Kept a structured daily work log in Notion, tracking feature development, bug fixes, technical challenges, and key learnings in full-stack development.

Daily Work & Learning Log

- > 11 November,2024 ... +
- > 12 December,2024 ... +
- > 13 January,2025 ... +
- > 14 February,2025 ... +

November,2024

- > 请假 20241104 Mon. ... +

- > 出差 20241105 Tue. ... +

- > 请假 20241106 Wed. ... +

- > 出差 20241107 Thu. ... +

- > 请假 20241108 Fri. ... +

- > 请假 20241111 Mon. ... +

- > 请假 20241112 Tue. ... +

- > 请假 20241113 Wed. ... +

每日工作日誌依月份區分，每個月份下設有對應的工作日頁面。針對請假或出差情況，透過不同的圖示標示，以提升記錄的清晰度與管理效率。

Organized daily work logs into monthly sections, with each working day recorded on a separate page. Used distinct icons to indicate leave or business trips for clear and efficient tracking.



每日工作日誌

Kept a structured daily work log in Notion, tracking feature development, bug fixes, technical challenges, and key learnings in full-stack development.

Daily Work & Learning Log

This screenshot shows a Notion page with a dark header. Below the header, there's a large title 'Daily Work & Learning Log'. Underneath the title, there's a section for 'November, 2024'. This section contains a '程式碼筆記目錄' (Code Notes Directory) with links to various topics like SVN, SQL Server, API 相關, SSL, Visual Studio, ASP.NET+React, Controller, SMTP, and STARTTLS. There's also a 'Project' section listing several items under 'v2.1.1.3.19-8235-8238'.

This screenshot shows a Notion page for 'October, 2024'. It features a 'Project' section with a list of bugs, each with a status indicator (e.g., 10/30, 10/4, 10/7, 10/8, 10/17). Below the project section is a '待辦事項' (To-Do Items) section.

This screenshot shows a Notion page for 'February, 2025'. It features a 'Project' section with a list of bugs, each with a status indicator (e.g., 10/8, 10/9, 10/14, 10/15, 10/16, 10/17). Below the project section is a '待辦事項' (To-Do Items) section.

使用 Notion 建立結構化的每日工作日誌，依月份分類記錄。每月主題內包含程式碼筆記目錄與專案記錄，並以超連結方式統整每日的程式碼筆記與工作日誌。每日工作日誌頁面涵蓋待辦事項、每日完成事項記錄及程式碼筆記，確保工作流程完整記錄與可追蹤性。

Maintained a structured daily work log in Notion, organizing work records by month. Each monthly section includes a directory for code notes and project records, with links to detailed daily entries. Daily work log pages contain to-do lists, task summaries, and code notes, ensuring a well-documented and trackable workflow.



專案進程規劃與管理

Led project scheduling and progress tracking, ensuring tasks were completed on time and aligned with business requirements.

Project Timeline Planning & Management

功能優化進度表										功能優化進度表									
系統功能優化進度表		優先級	專案別	狀態	進度	# 版次	不已更新	負責人	系統	項目	需求		提出需求日	開始執行日期	實際完成日期	預計完成			
17	OPEN	[task]	高	完成	100	2024 12 09 01	是	舒媛 許	新專案建立	用例手稿編寫	需求	需求	November 4, 2024	November 5, 2024	December 18, 2024	November 6, 2024			
16	OPEN	[task]	中	完成	100	2024 12 09 01	是	舒媛 許	UI調整	需求	需求	需求	November 12, 2024	November 21, 2024	January 23, 2025	November 24, 2024			
1	OPEN	[task]	低	完成	100	2024 12 09 01	是	舒媛 許	員工考勤	員工考勤	員工考勤	員工考勤	May 27, 2024	November 27, 2024	December 6, 2024	December 6, 2024			
19	OPEN	[task]	高	完成	100	2024 12 11 01	是	舒媛 許	員工考勤	員工考勤	員工考勤	員工考勤	December 10, 2024	December 11, 2024	December 11, 2024	December 11, 2024			
26	OPEN	[Bug]	低	完成	100	2024 12 25 01	是	舒媛 計	薪資清冊	薪資清冊	薪資清冊	薪資清冊	December 20, 2024 17:20	December 23, 2024	December 23, 2024	December 23, 2024			
25	OPEN	[task]	中	完成	100	2024 12 27 01	是	舒媛 計	員工考勤	員工考勤	員工考勤	員工考勤	December 18, 2024	December 25, 2024	December 27, 2024	December 27, 2024			
23	OPEN	[task]	高	完成	100	2024 12 27 02	是	舒媛 計	各項查詢處理	各項查詢處理	各項查詢處理	各項查詢處理	December 16, 2024	December 27, 2024	December 27, 2024	December 27, 2024			
3	OPEN	[urgent]	高	完成	100	2024 12 30 01	是	舒媛 計	留圖傳薪	留圖傳薪	留圖傳薪	留圖傳薪	May 27, 2024	December 30, 2024	December 30, 2024	December 30, 2024			
29	OPEN	[task]	中	完成	100	2024 12 31 01	是	舒媛 計	頁面跳轉	頁面跳轉	頁面跳轉	頁面跳轉	December 27, 2024	December 31, 2024	December 31, 2024	December 30, 2024			

Responsible for planning and managing project timelines, including requirement dates, execution dates, estimated completion dates, and actual completion dates. Ensured workflow alignment with the established schedule while maintaining flexibility to accommodate urgent issues, such as critical bug fixes, to minimize project disruptions.

負責規劃與管理專案時程，包括需求日期、執行日期、預計完成日期及實際完成日期。確保工作流程與既定時程保持一致，同時具備彈性，以應對突發緊急狀況（如關鍵性 Bug 修復），以降低專案運行的影響。