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Make Digital
Transformation
Possible

2024/08/23

無痛連結
Google Workspace, REST APIs
（進階）

Tri-Thong Tran 陳智聰
Cloud Architect

CloudMile

在會議中
有任何疑問時

1. 請點擊 Meet 右上角的即時「問與答」功能提出您的問題！
2. 大家可以點擊互動按讚，我們將會優先回答按讚數較多的問題！

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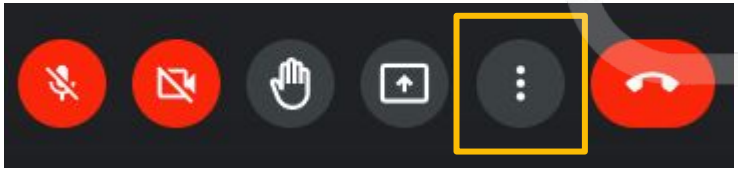
為了確保會議品質



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Tri-Thong Tran 陳智聰

Cloud Architect

擁有 3 年雲端架構師經歷。

現任 CloudMile 萬里雲雲端架構師，專精於為國內外金融、零售、航空及半導體等產業巨擘，量身打造以 Google Workspace 和 Google Cloud 為核心的數位轉型藍圖，協助企業順利遷移至雲端，並優化基礎設施及資料管理。

Google Workspace
Google Apps Script
Google AppSheet
GCP Landing Zone Solution
GCP APIM Solution
GCP Application Modernization Solution
DevOps Solution

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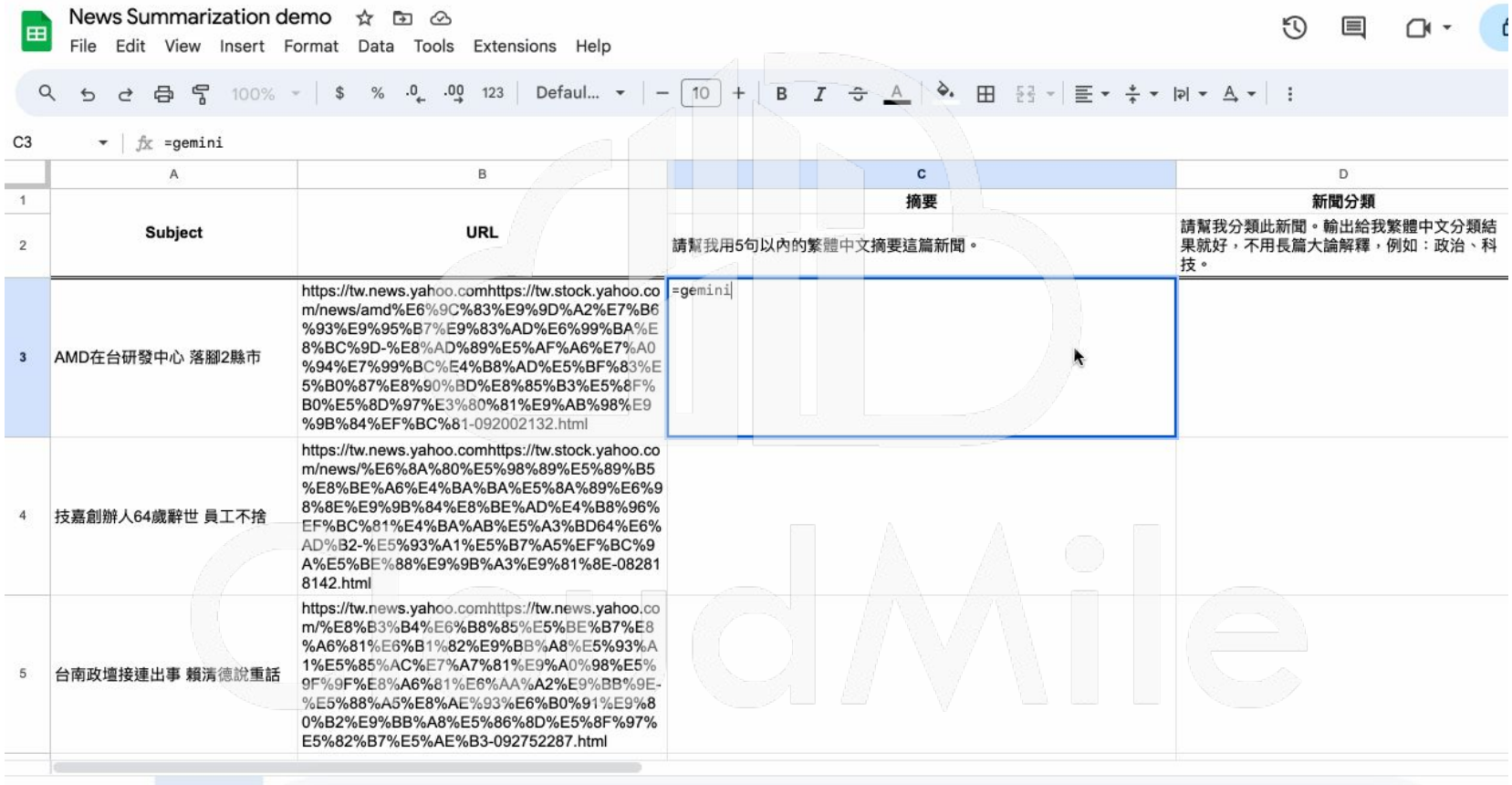
AGENDA

1. Apps Script 應用：
   News Summarization with Gemini and Google Sheet
2. Apps Script 應用：
   Google Docs add-on - Translator
3. Apps Script 應用：
   Static Websites with Google Sheets

01

Apps Script 應用：News Summarization with Gemini and Google Sheet



News Summarization demo

File Edit View Insert Format Data Tools Extensions Help

C3 =gemini

	A	B	C	D
1			摘要	新聞分類
2	Subject	URL	請幫我用5句以內的繁體中文摘要這篇新聞。	請幫我分類此新聞。輸出給我繁體中文分類結果就好，不用長篇大論解釋，例如：政治、科技。
3	AMD在台研發中心 落腳2縣市	https://tw.news.yahoo.comhttps://tw.stock.yahoo.com/news/amd%E6%9C%83%E9%9D%A2%E7%B6%93%E9%95%B7%E9%83%AD%E6%99%BA%E8%BC%9D-%E8%AD%89%E5%AF%A6%E7%A0%94%E7%99%BC%E4%B8%AD%E5%BF%83%E5%B0%87%E8%90%BD%E8%85%B3%E5%8F%B0%E5%8D%97%E3%80%81%E9%AB%98%E9%9B%84%EF%BC%81-092002132.html	=gemini	
4	技嘉創辦人64歲辭世 員工不捨	https://tw.news.yahoo.comhttps://tw.stock.yahoo.com/news/%E6%8A%80%E5%98%89%E5%89%B5%E8%BE%A6%E4%BA%BA%E5%8A%89%E6%98%8E%E9%9B%84%E8%BE%AD%E4%B8%96%EF%BC%81%E4%BA%AB%E5%A3%BD64%E6%AD%B2-%E5%93%A1%E5%B7%A5%EF%BC%9A%E5%BE%88%E9%9B%A3%E9%81%8E-082818142.html		
5	台南政壇接連出事 賴清德說重話	https://tw.news.yahoo.comhttps://tw.news.yahoo.com/%E8%B3%B4%E6%B8%85%E5%BE%B7%E8%A6%81%E6%B1%82%E9%BB%A8%E5%93%A1%E5%85%AC%E7%A7%81%E9%A0%98%E5%9F%9F%E8%A6%81%E6%AA%A2%E9%BB%9E-%E5%88%A5%E8%AE%93%E6%B0%91%E9%80%B2%E9%BB%A8%E5%86%8D%E5%8F%97%E5%82%B7%E5%AE%B3-092752287.html		

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Steps Overview

- 使用瀏覽器登入 Google Account（個人 Gmail 帳號或學校的 Google Workspace 帳號）
- 取得一個 Gemini API Key (free charge edition)
- 創建一個新的 Google Sheets spreadsheet [*]
- 創建一個跟 [*] 相連的 Apps Script project
- 參考並使用講師準備的範例程式碼
- 驗證成果

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登入 Google Account

https://accounts.google.com/

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取得 Gemini API Key

https://aistudio.google.com/app/apikey

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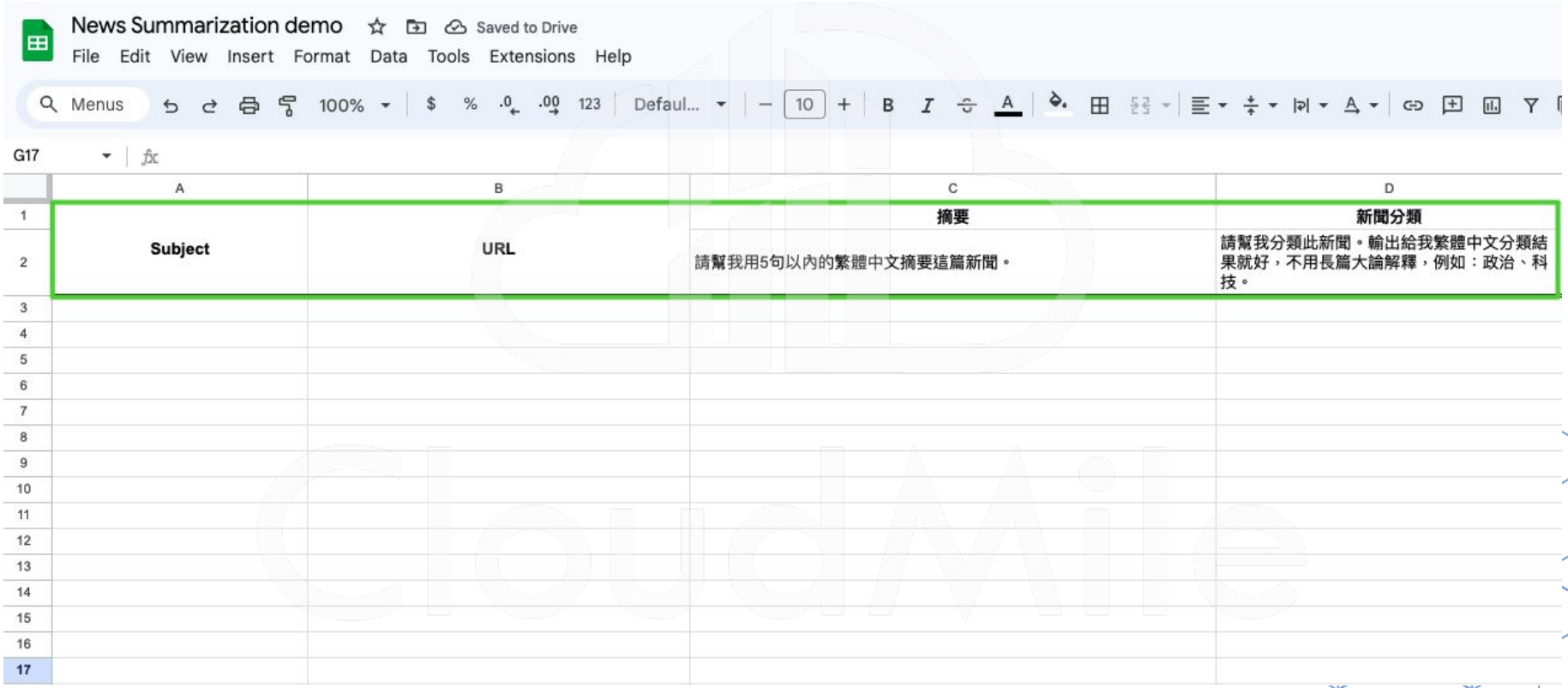
創建一個 Google Sheets spreadsheet



	A	B	C	D
1	Subject	URL	摘要	新聞分類
2			請幫我用5句以內的繁體中文摘要這篇新聞。	請幫我分類此新聞。輸出給我繁體中文分類結果就好，不用長篇大論解釋，例如：政治、科技。
3				
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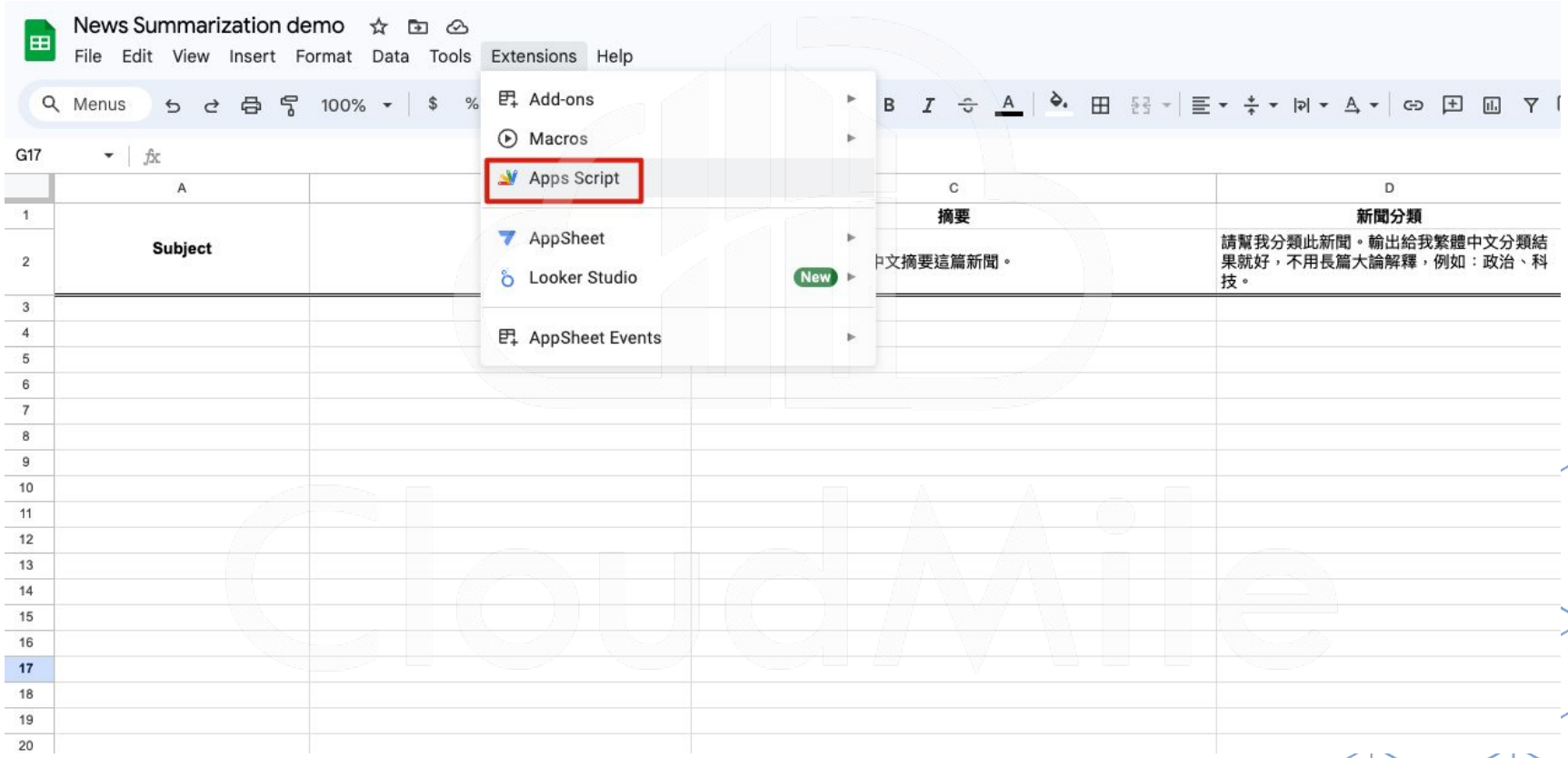
創建一個與 spreadsheet 相連的 Apps Script project



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參考並使用講師準備的範例程式碼

https://github.com/trithong12/GWS_AppsScript_examples/blob/main/Day%202/News%20Summarization%20with%20Gemini%20and%20Google%20Sheets.md

1. 給 Apps Script project 命名，例如：*News Summarization*
2. 在 Apps Script project 設定中定義一個 Script Property “GEMINI_API_KEY”，並將您的 Gemini API Key 放上去。
3. (optional) 修改 “*Code.gs*” 檔名，例如：*fetch-news.gs*
4. 創建第二個 script 檔，名為 *call-gemini.gs*。

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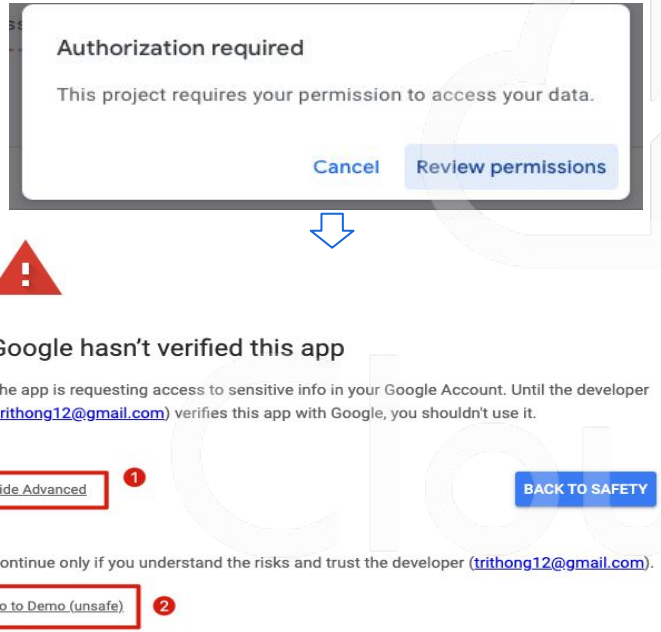
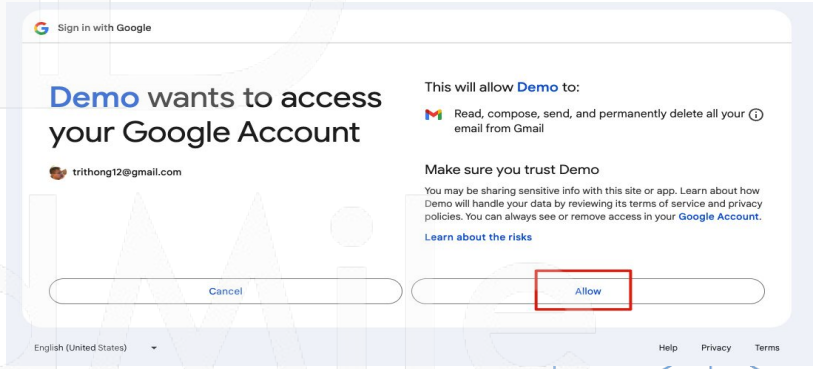
驗證成果

- 手動執行 fetch-news.gs 中的 fetchAndWriteNews
- 於 sheet 中使用自訂函式：gemini(range, prompt)





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進階延伸應用

- 將該應用改編成每天早上八點自動創建一個 sheet，自動從 https://tw.news.yahoo.com/ 抓取前 5 則焦點新聞並紀錄在該新 sheet 中。
- 自動使用 Gemini API 取得新聞的摘要。
- 將 sheet 中的資料以 email 發送給自己或其他人。

……

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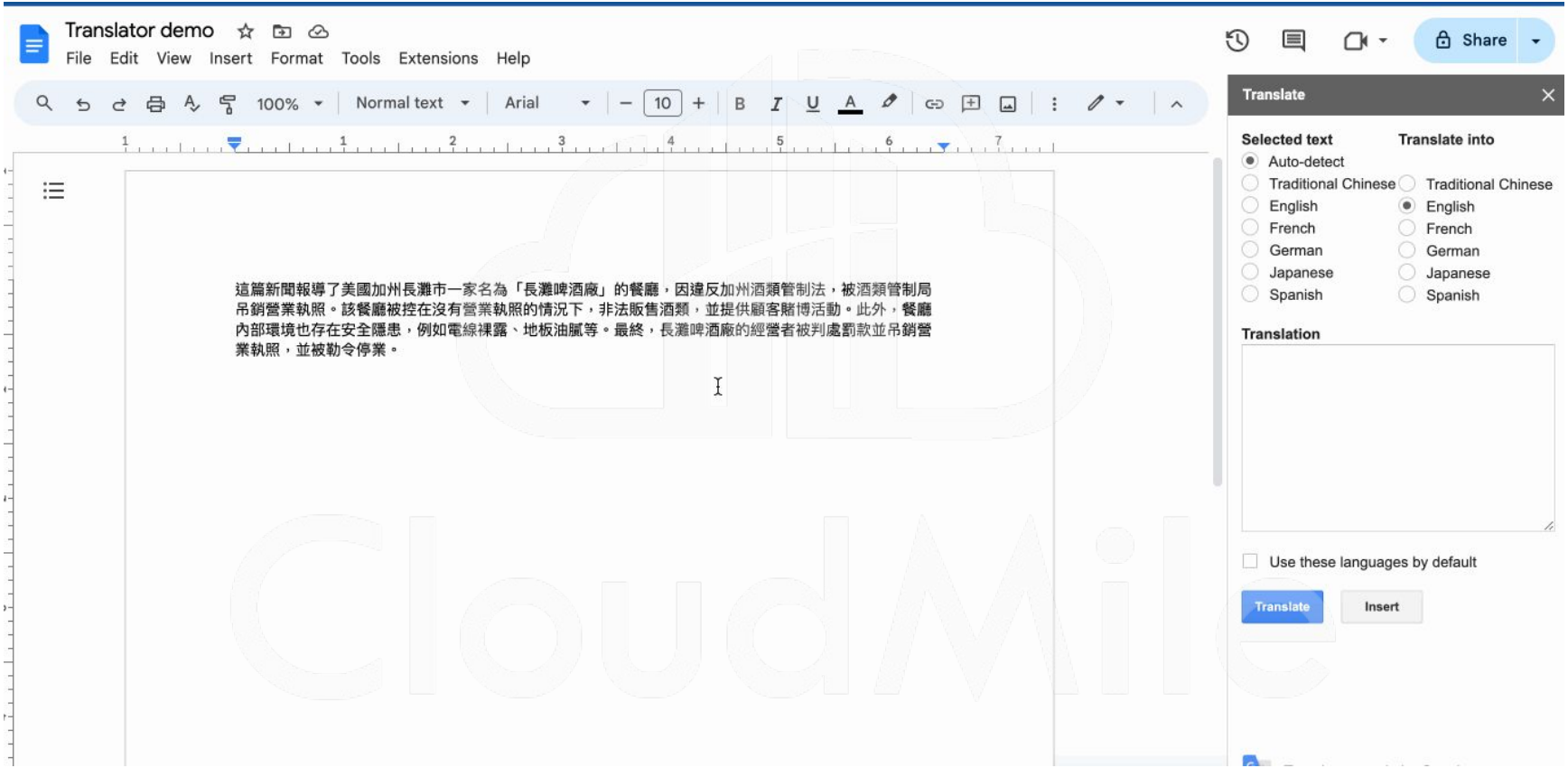
02 Apps Script 應用：Google Docs add-on - Translator



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Steps Overview

- 使用瀏覽器登入 Google Account（個人 Gmail 帳號或學校的 Google Workspace 帳號）
- 創建一個新的 Google Docs doc [*]
- 創建一個跟 [*] 相連的 Apps Script project
- 參考並使用講師準備的範例程式碼
- 驗證成果

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登入 Google Account

https://accounts.google.com/

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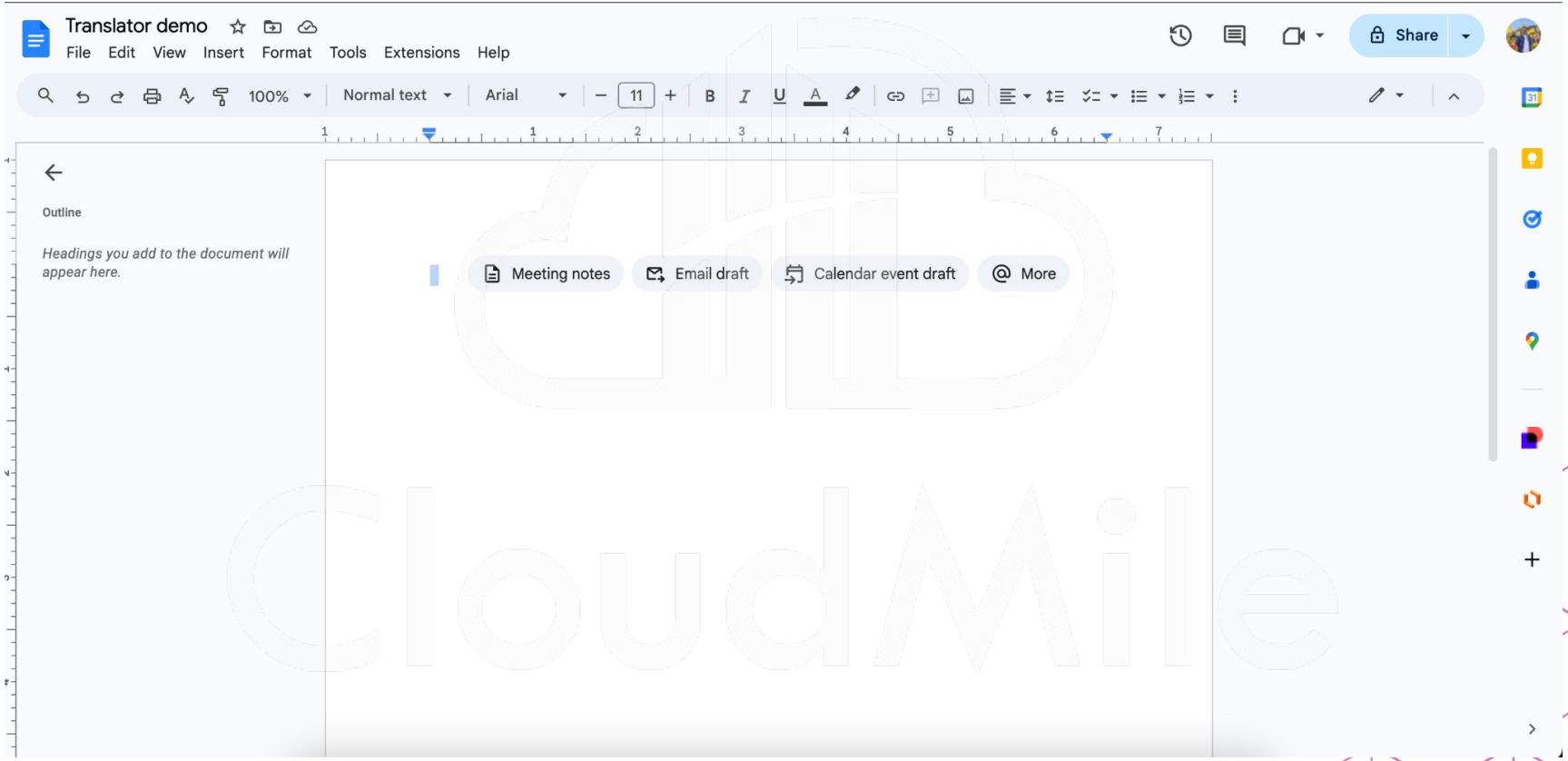
創建一個新的 Google Docs doc



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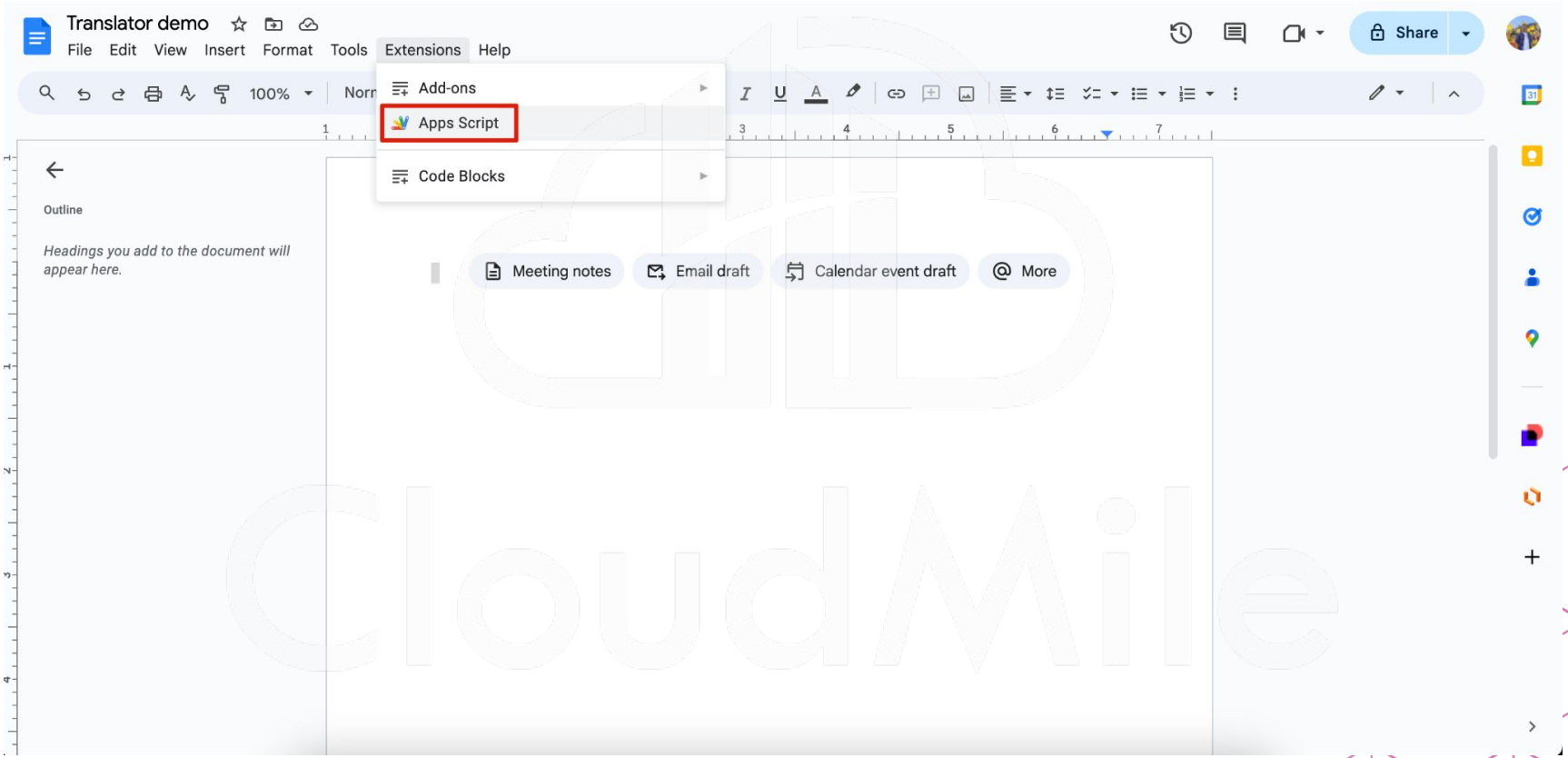
創建一個與 doc 相連的 Apps Script project



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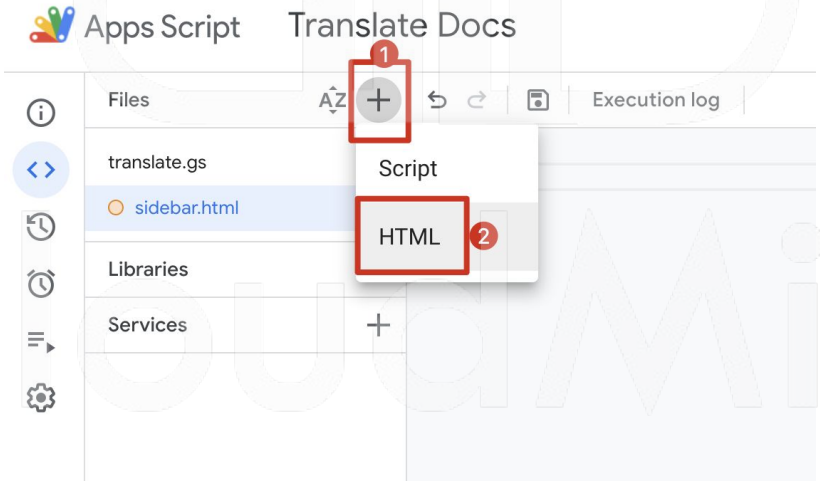
參考並使用講師準備的範例程式碼

https://github.com/trithong12/GWS_AppsScript_examples/blob/main/Day%202/Google%20Docs%20add-on%20-%20Translator.md

1. 給 Apps Script project 命名，例如：*Translate demo*
2. (optional) 修改 “*Code.gs*” 檔名，例如：*translate.gs*
3. 創建 *sidebar.html*，請參考下圖操作（輸入檔名時不用輸入“*.html*”）：



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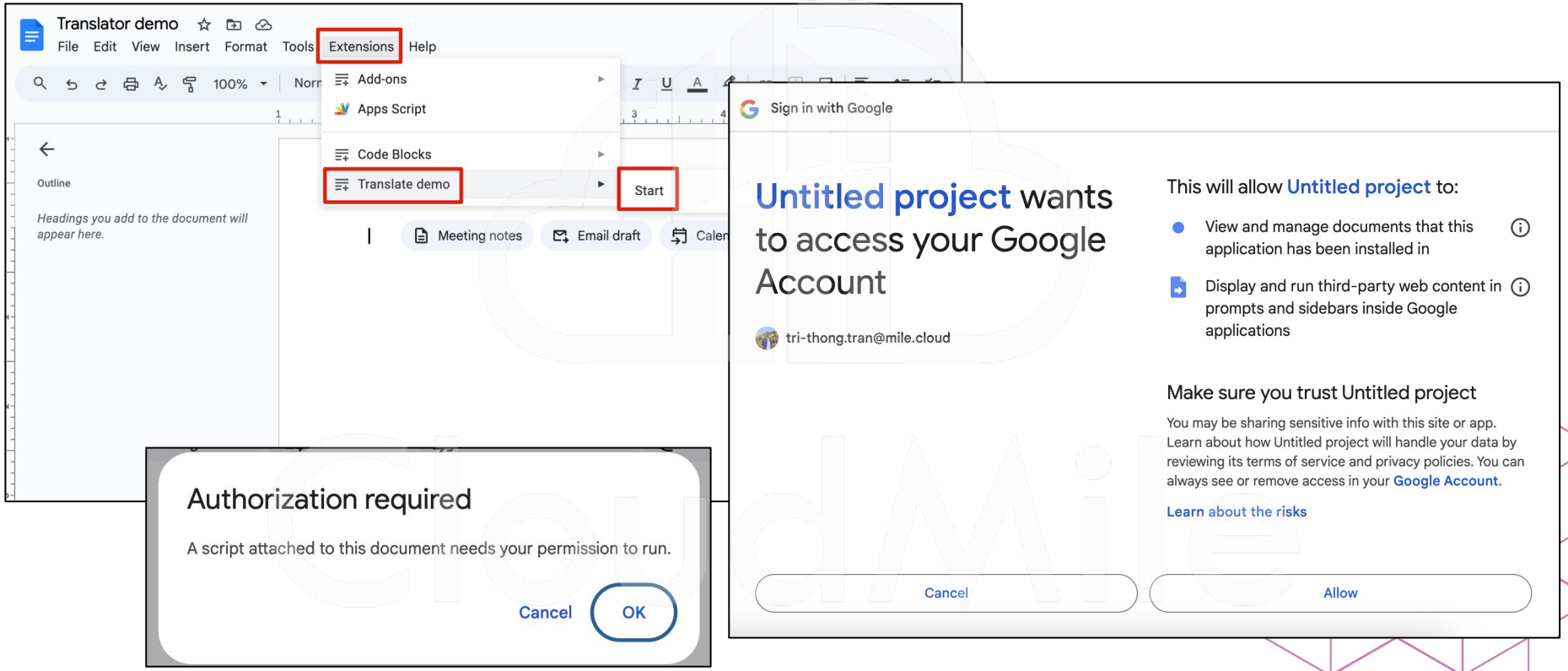
驗證成果



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進階延伸應用

- 將 Google Translation API (LanguageApp) 改成使用 Gemini API。

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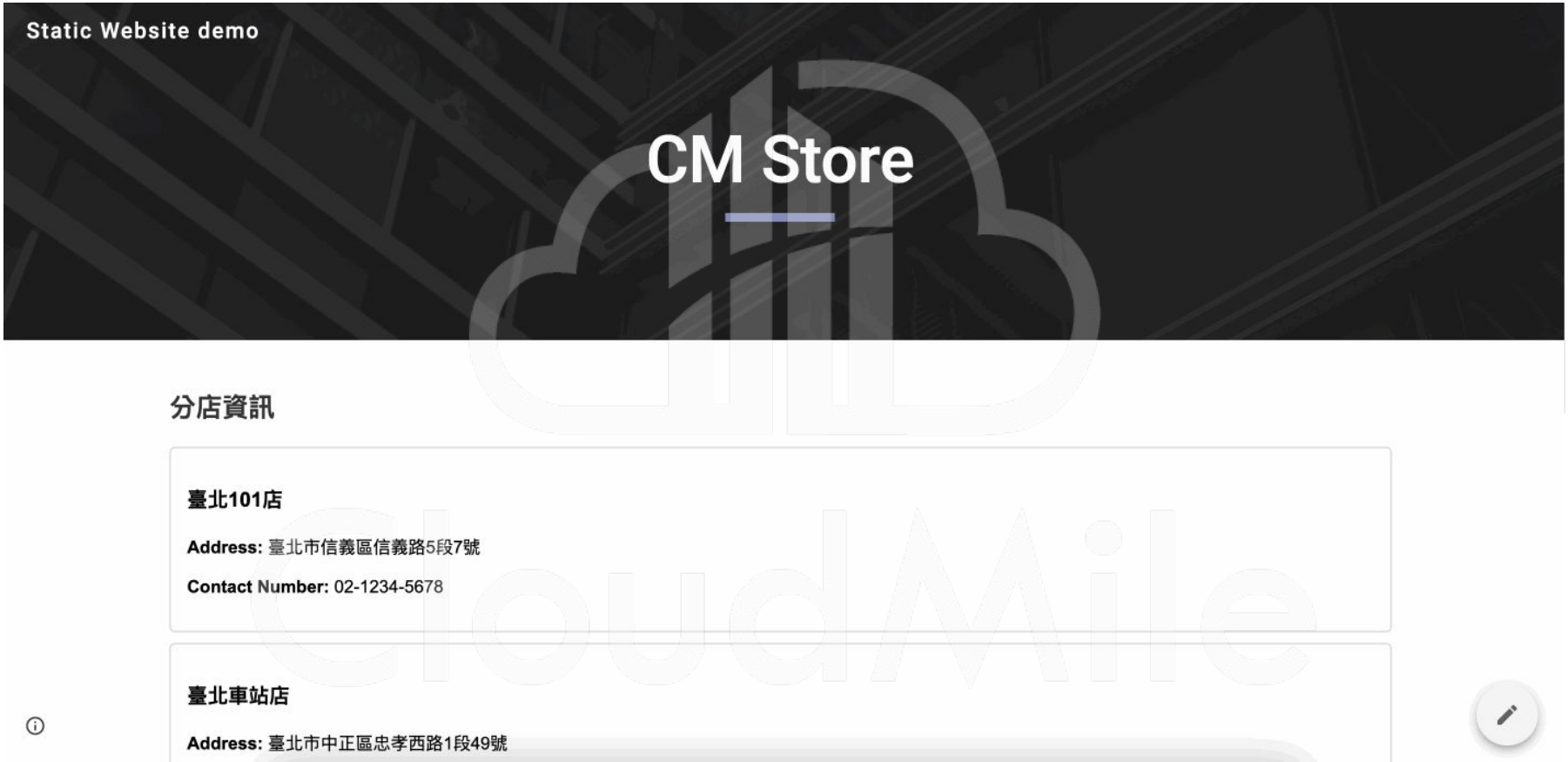
03 Apps Script 應用：Static Websites with Google Sheets



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Steps Overview

- 使用瀏覽器登入 Google Account（個人 Gmail 帳號或學校的 Google Workspace 帳號）
- 創建一個新的 Google Sheets spreadsheet
- 創建一個新的 Apps Script project
- 創建一個新的 Google Sites website
- 參考並使用講師準備的範例程式碼
- Deploy Apps Script 並嵌入 Google Sites website
- 驗證成果

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登入 Google Account

https://accounts.google.com/

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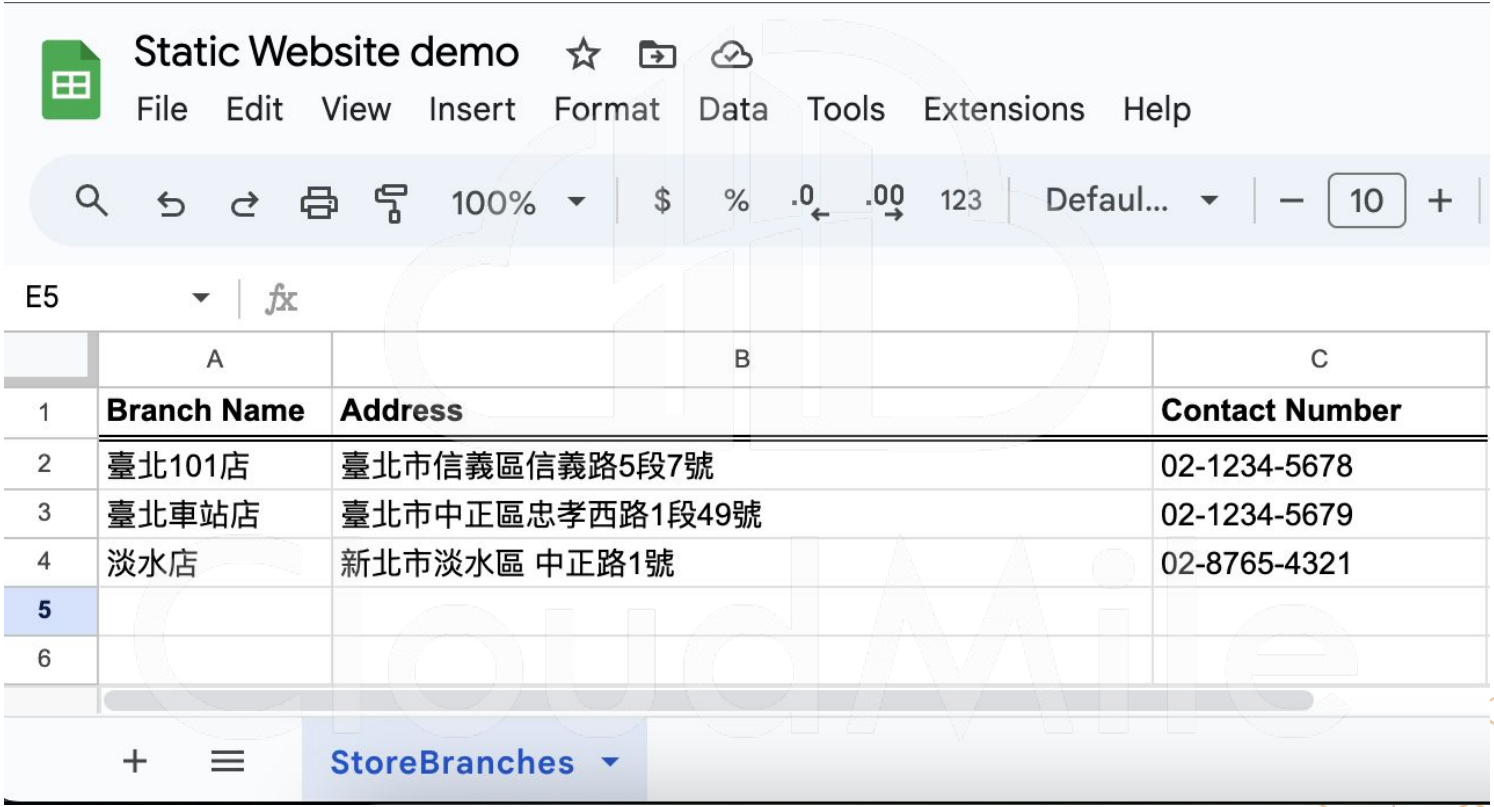
創建一個新的 Google Sheets spreadsheet



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創建一個新的 Apps Script project

https://script.google.com/home

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創建一個新的 Google Sites website

https://sites.google.com/new

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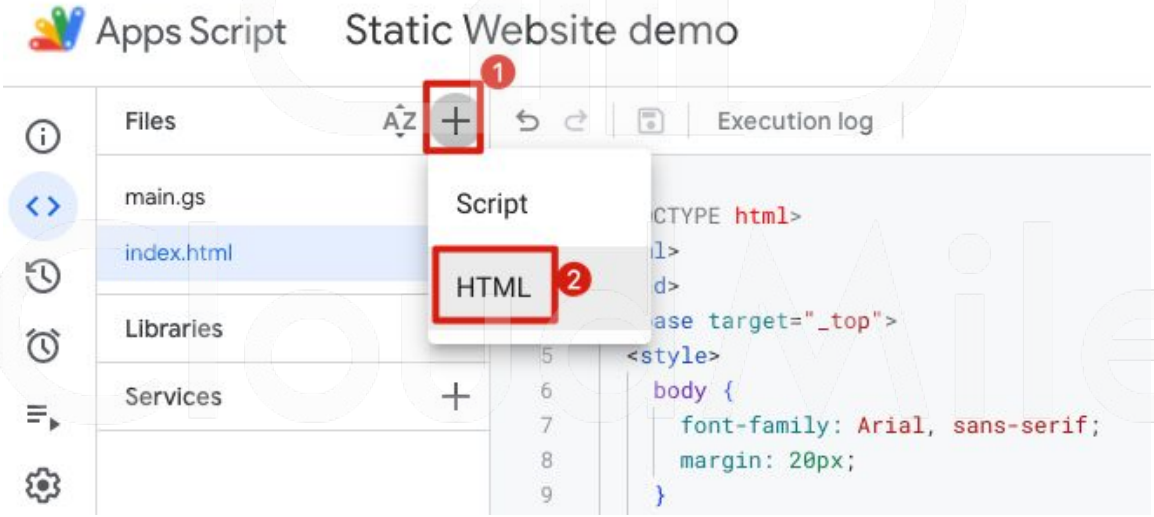
參考並使用講師準備的範例程式碼

https://github.com/trithong12/GWS_AppsScript_examples/blob/main/Day%202/Static%20Websites%20with%20Google%20Sheets.md

1. 給 Apps Script project 命名，例如：*Static Website demo*
2. (optional) 修改 “*Code.gs*” 檔名，例如：*main.gs*
3. 創建 *index.html*，請參考下圖操作（輸入檔名時不用輸入“*.html*”）：



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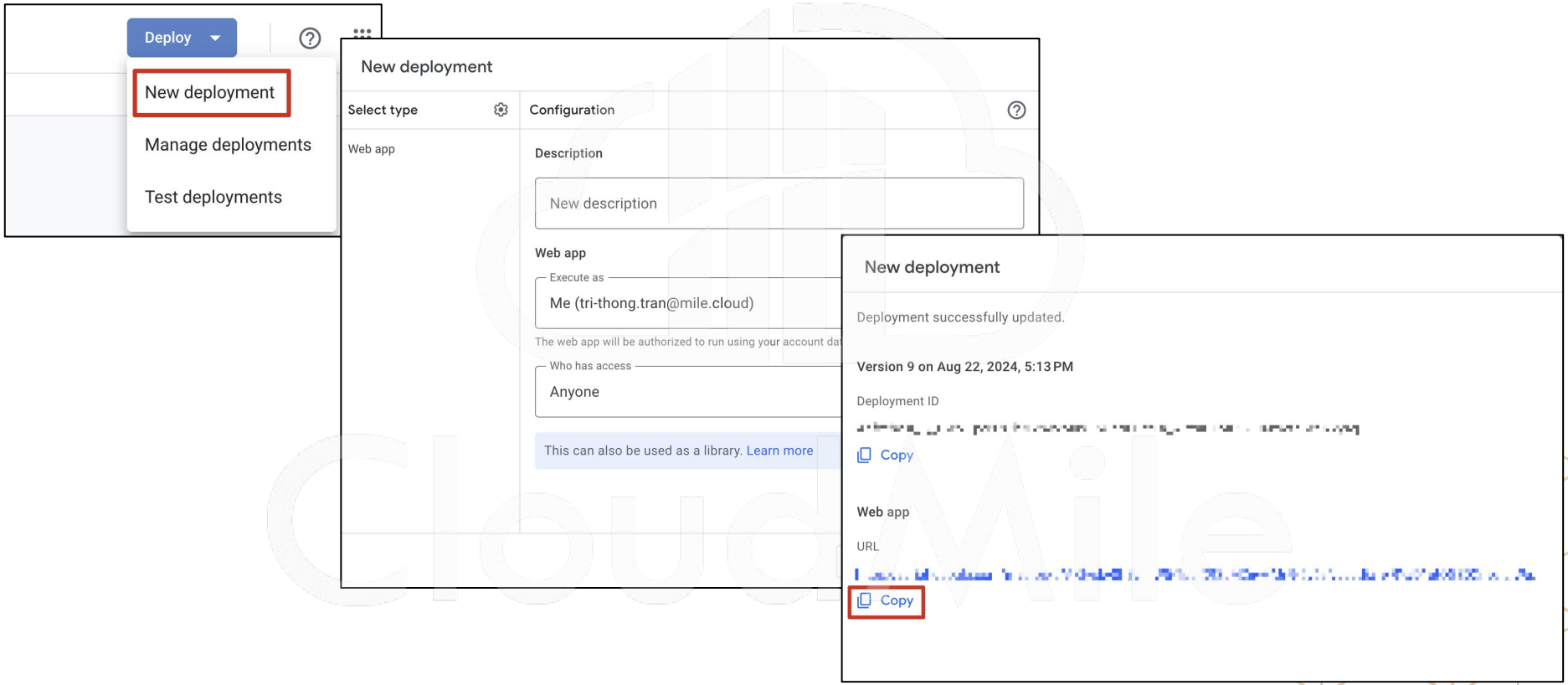
Deploy Apps Script 並嵌入 Google Sites website



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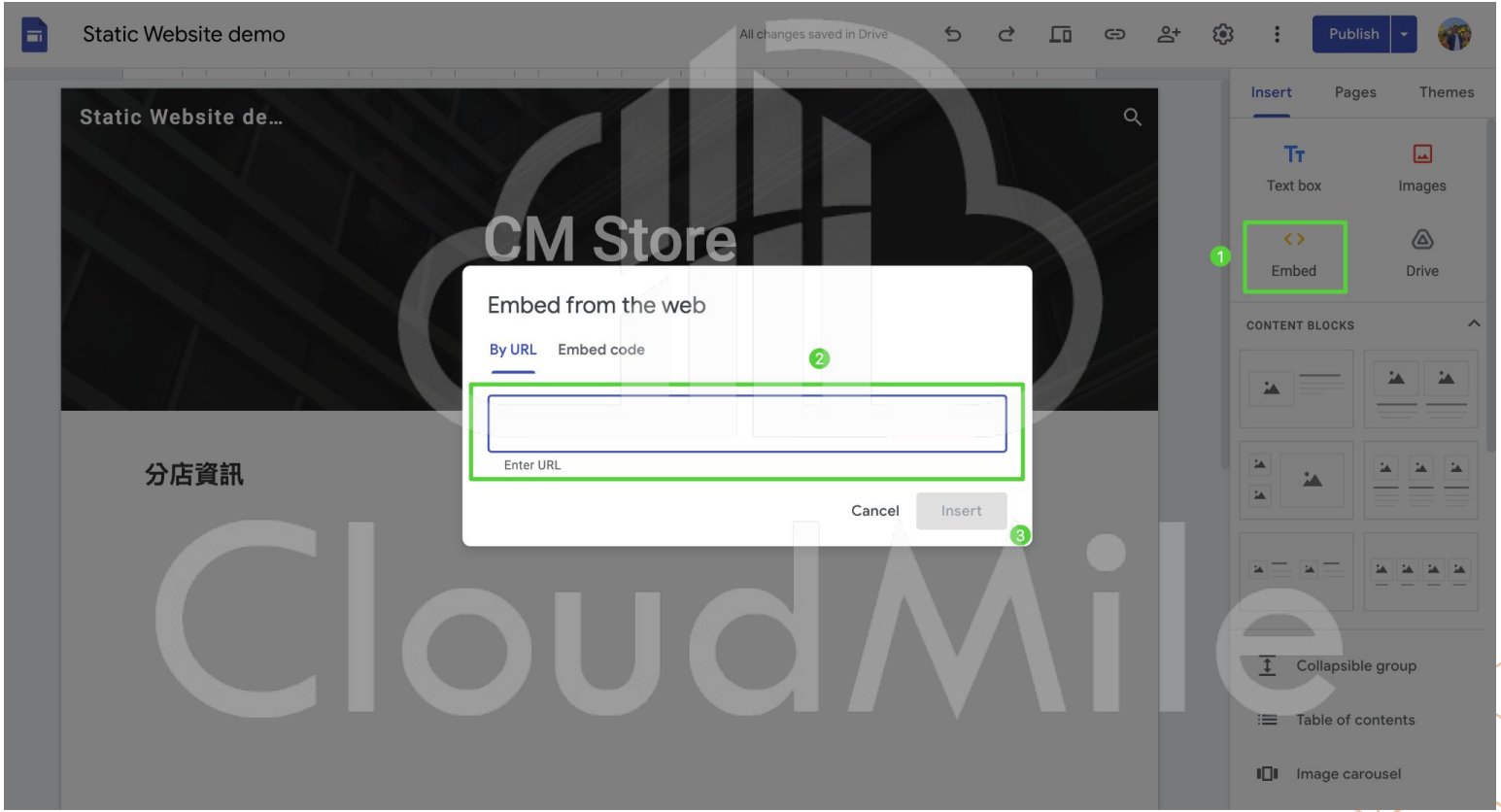
Deploy Apps Script 並嵌入 Google Sites website



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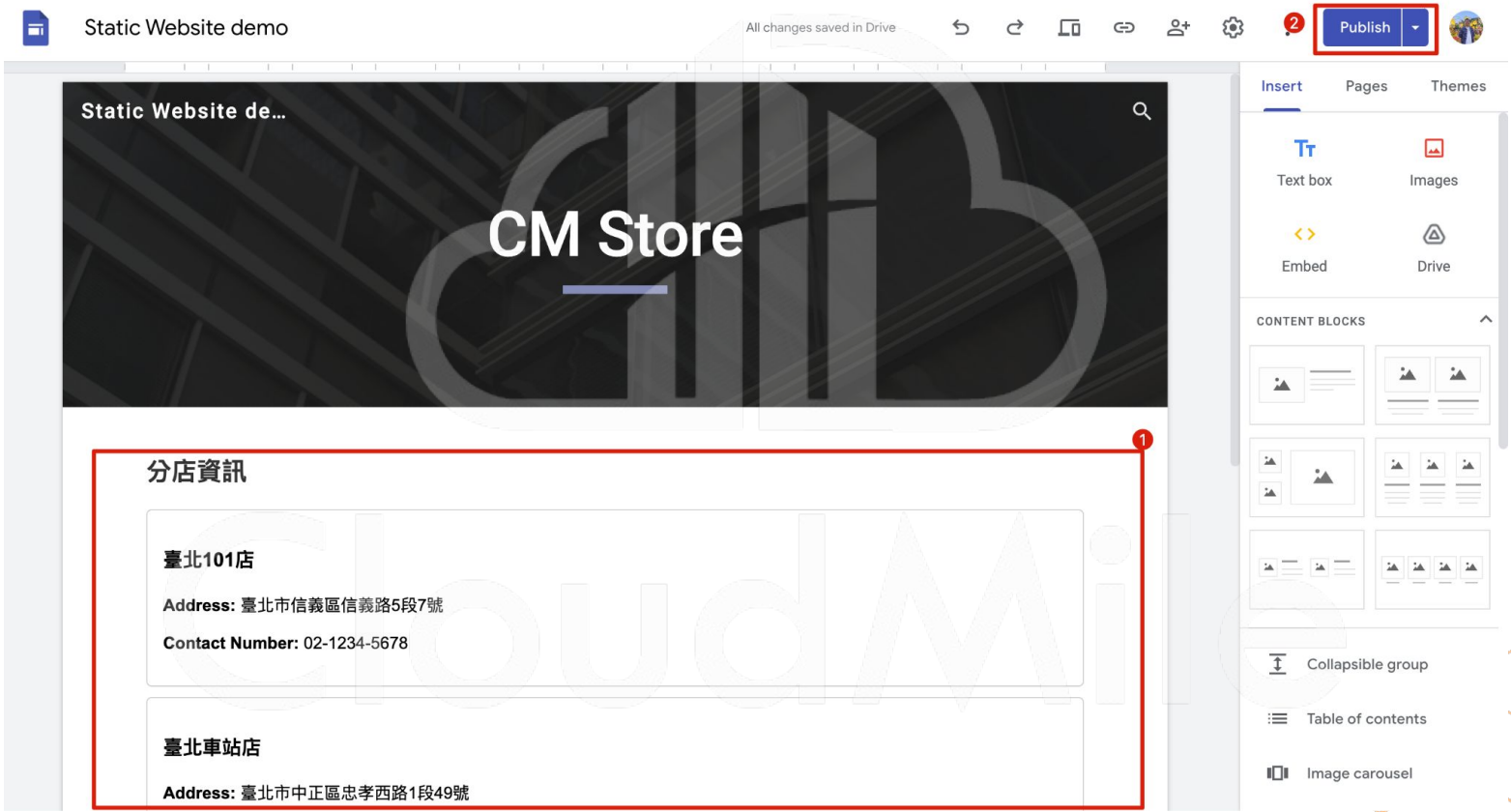
Deploy Apps Script 並嵌入 Google Sites website



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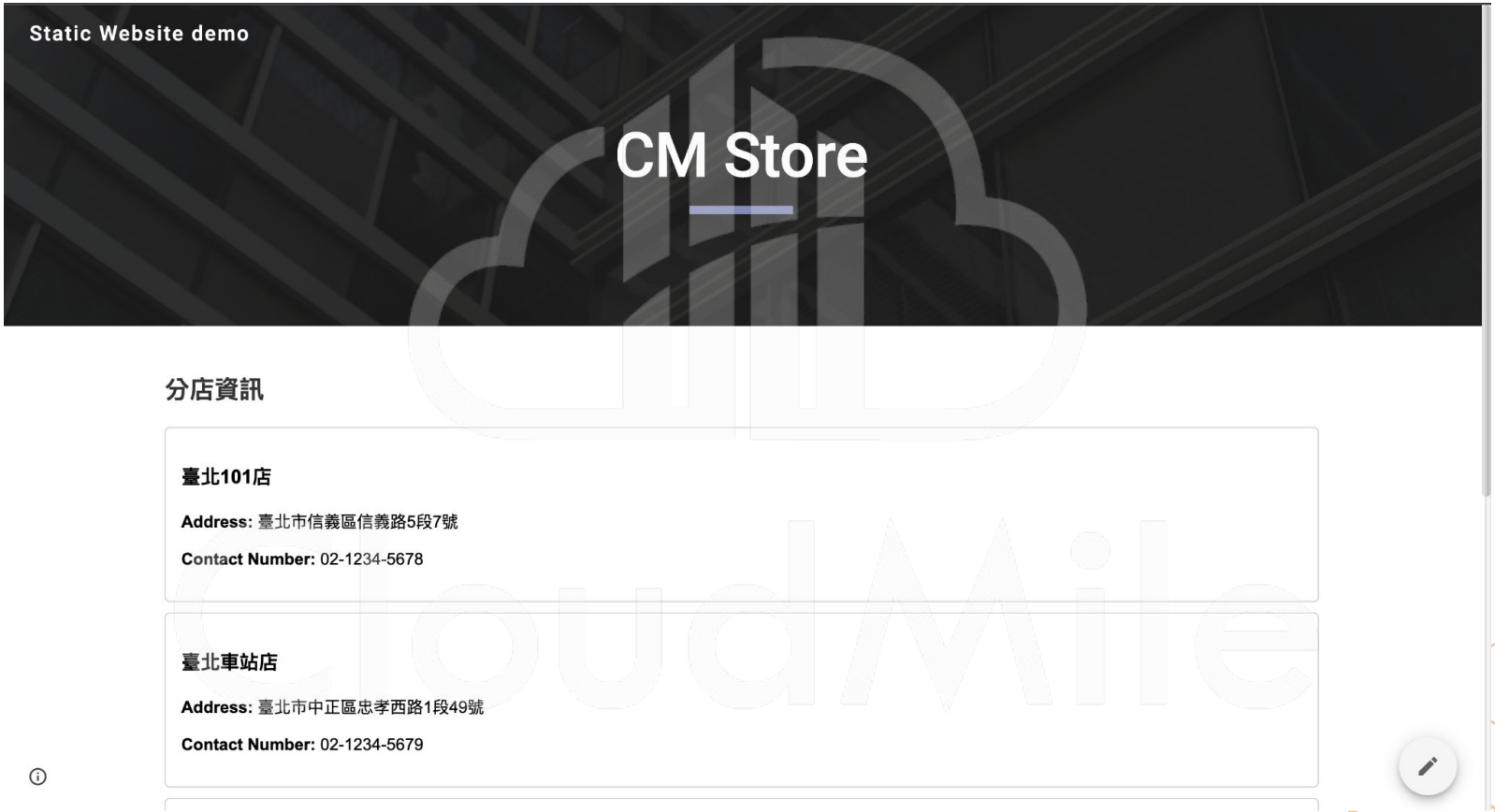
驗證成果



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進階延伸應用

- 製作符合自己需求的網站

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THANK YOU

Make Digital Transformation Possible

2024/08/23 簽到與滿意度 QR Code
無痛連結 Google Workspace, REST APIs (進階)

計算機及資訊網路中心
Computer and Information Networking Center