



大頭大頭下雨不愁

指導老師：王孝熙 老師

資管四B	410917538	徐晨祐
資管四B	410917994	陳宥廷
資管四B	410917635	蕭恩光
資管四B	410918063	洪瑜



目錄

- 摘要 P. 03

- 工作分配 P. 06

- 專題功能 P. 08

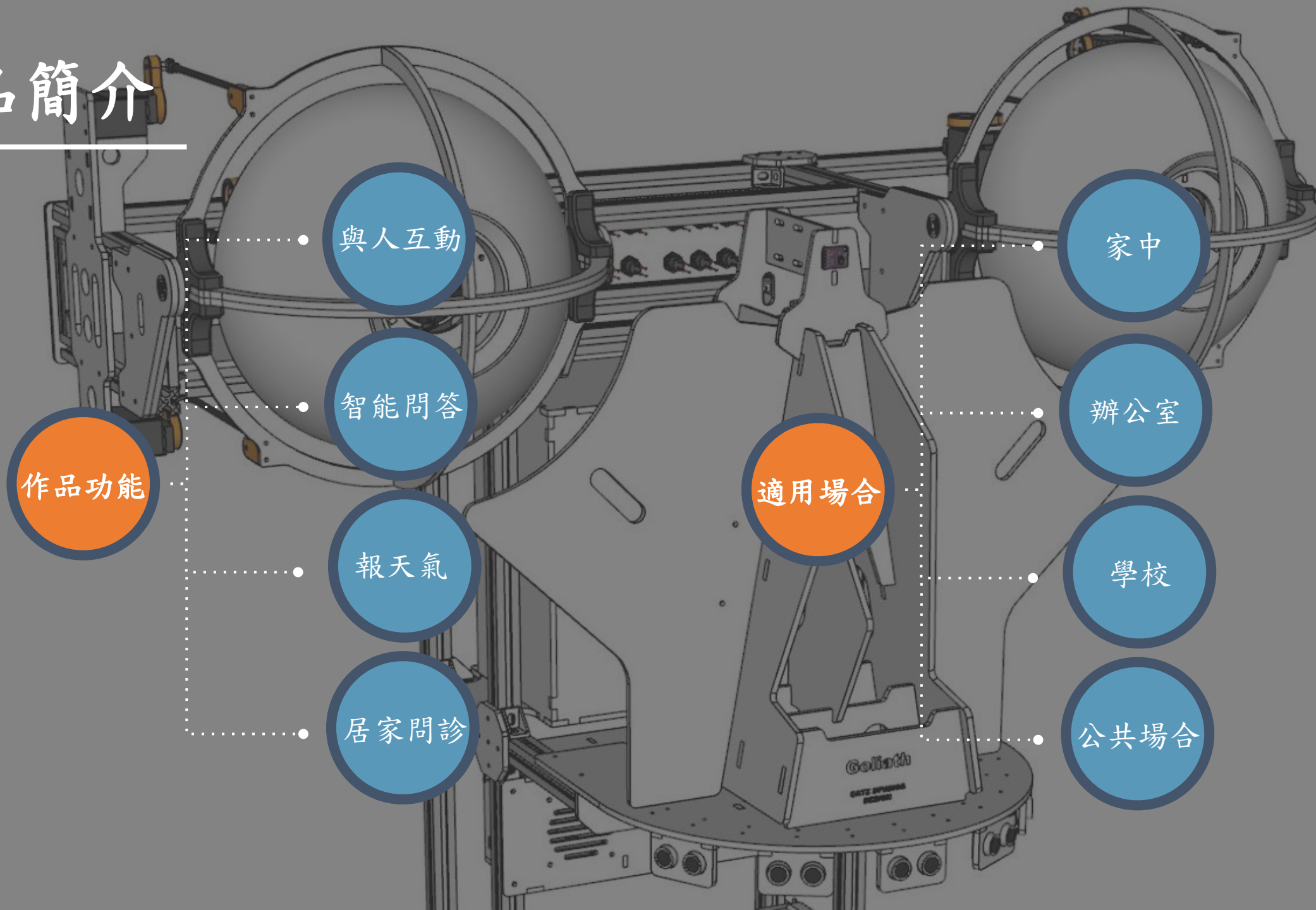
- 後續發展 P. 17



A detailed technical line drawing of a robotic arm assembly. The assembly features two large, spherical grippers at the ends of a horizontal arm. Each gripper has a central circular opening and is surrounded by a ring of smaller components. The arm is supported by a complex base structure with various mechanical linkages, joints, and sensors. The drawing is rendered in a clean, technical style with black lines on a white background.

Part One 摘要

作品簡介



專題動機



展示機器人技術
和
互動科技的發展

讓使用者
更親近科技
體驗科技的便利和樂趣

實現簡單互動
並報告當地的時間
和天氣等實用信息

作為一個技術演示
和教學平台
讓學生和開發者
了解機器人技術的應用
和發展趨勢

A detailed technical line drawing of a robotic arm assembly. The assembly features two large, spherical grippers at the ends of articulated arms. The grippers have a complex internal mechanism visible through a central circular opening. The arms are connected to a central base or platform. The drawing is rendered in a clean, technical style with black lines on a white background. The text "Part Two 工作分配" is overlaid on the center of the image.

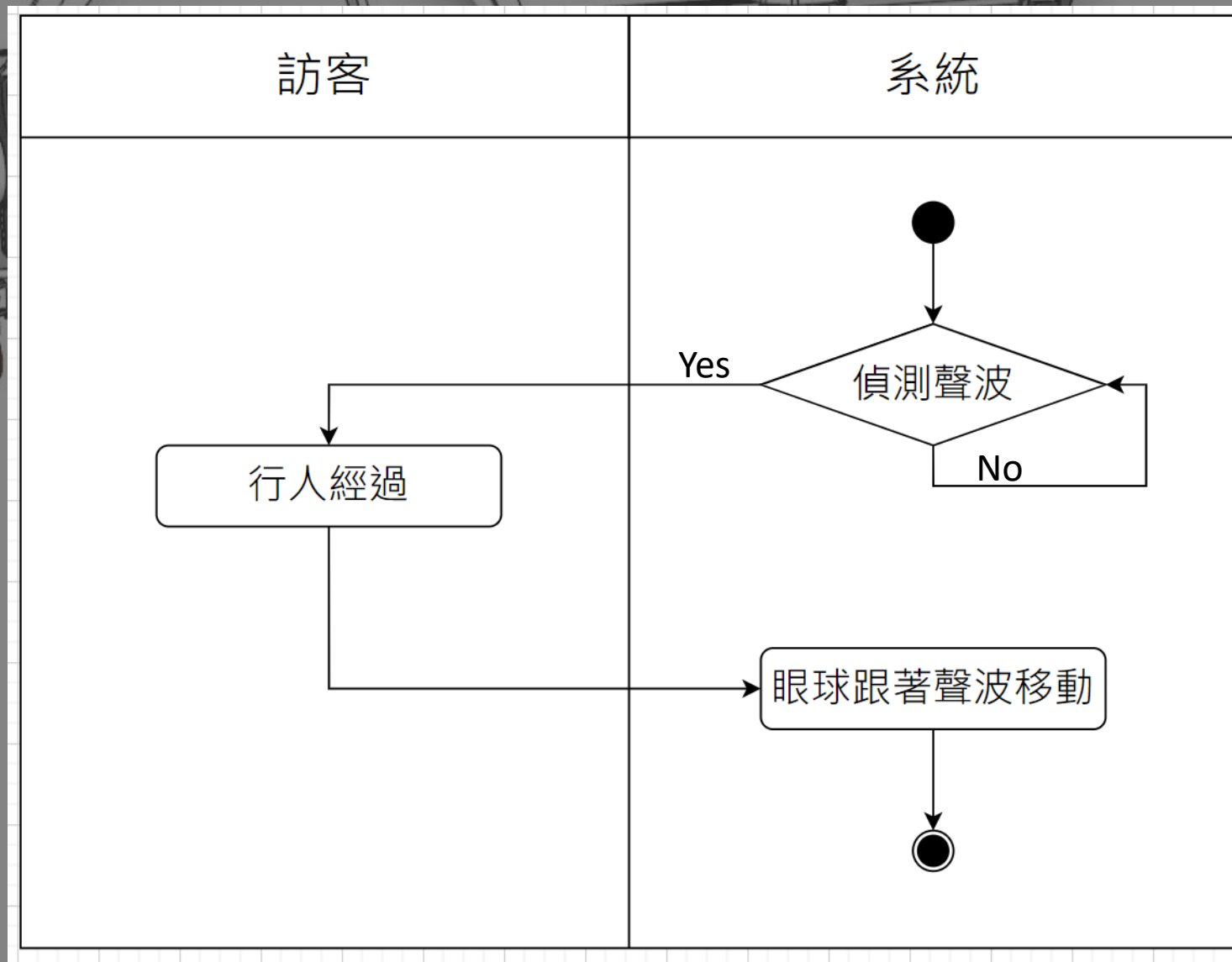
Part Two 工作分配

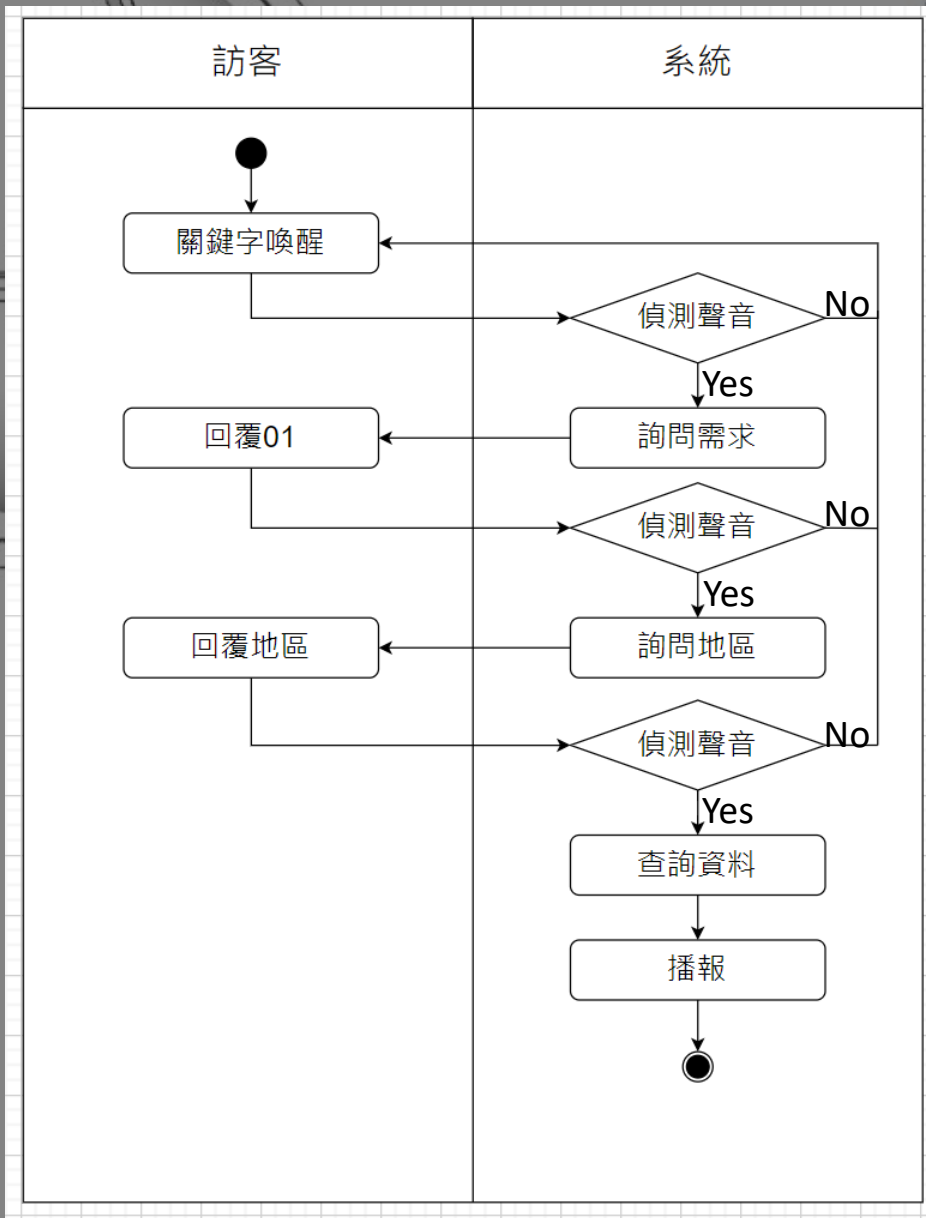
工作分配

組員	美工	程式撰寫	簡報製作	資料內容	專題測試	報告
徐晨祐						
陳宥廷						
蕭恩光						
洪 瑜						

A detailed technical line drawing of a robotic arm system. The arm features two large, spherical grippers at the end of its reach, each with a central circular opening. The arm is mounted on a base with a curved front panel. The text "Part Three" is written in a large, white, serif font on the left side, and "專題功能" is written in a large, white, sans-serif font on the right side. The background is a solid gray.

Part Three 專題功能



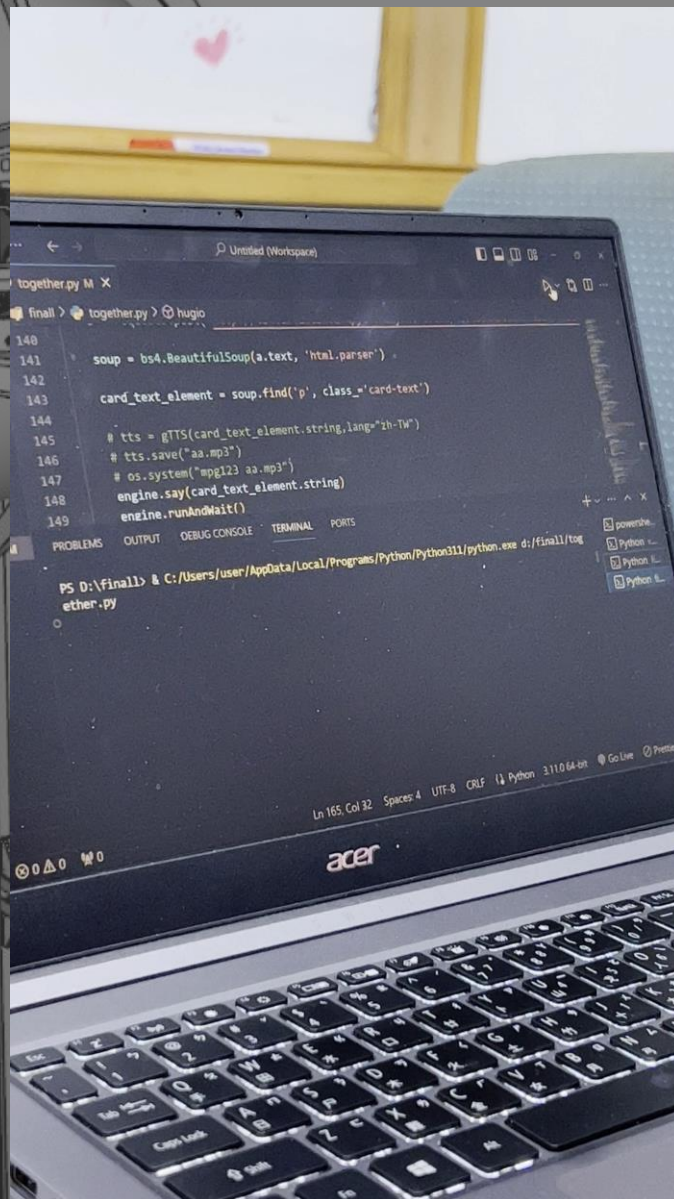


眼球移動

播報天氣

回答問題

居家問診



未偵測範例

眼球移動

播報天氣

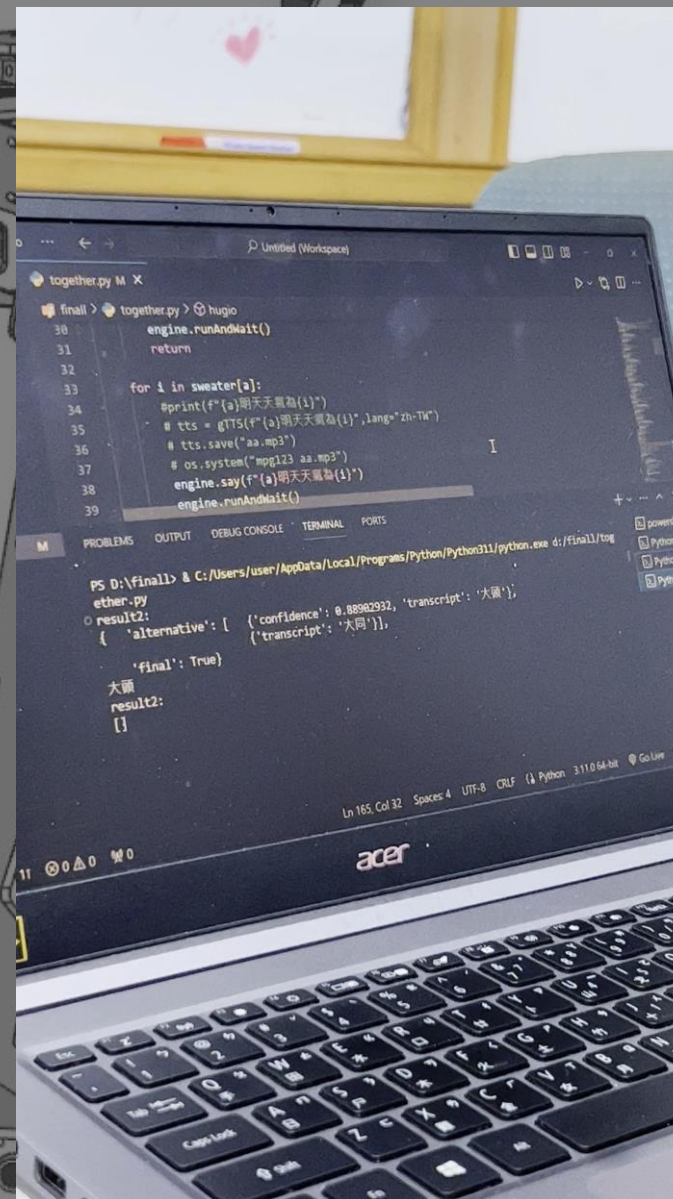
回答問題

居家問診

▶ 樹梅派範例



▶ 電腦範例

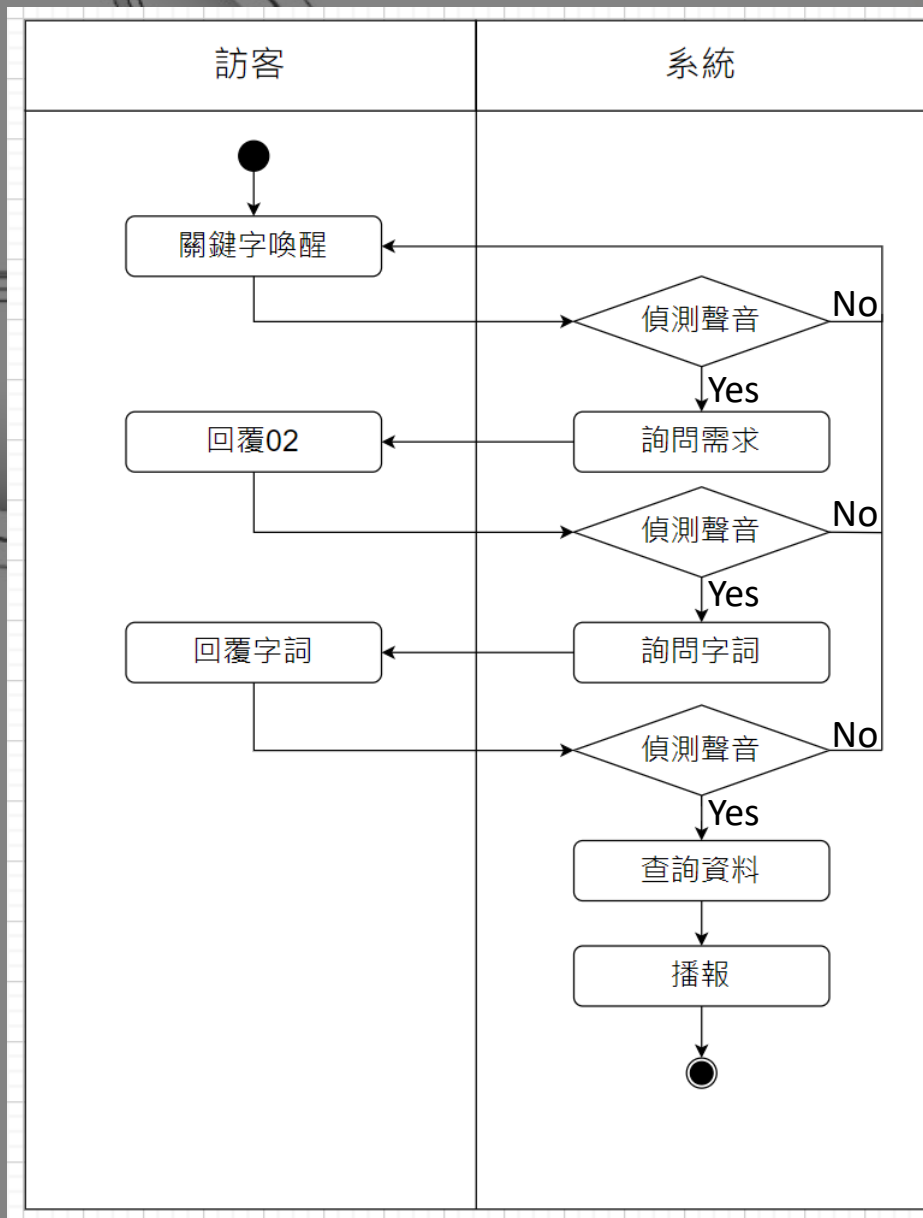


眼球移動

播報天氣

回答問題

居家問診



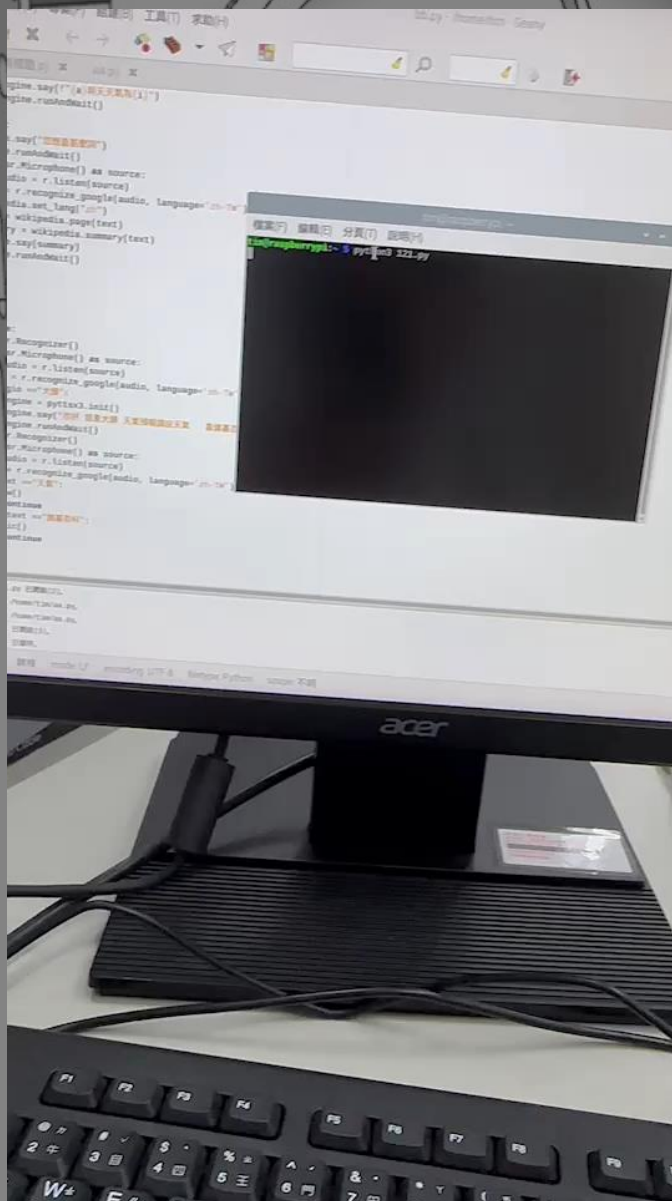
眼球移動

播報天氣

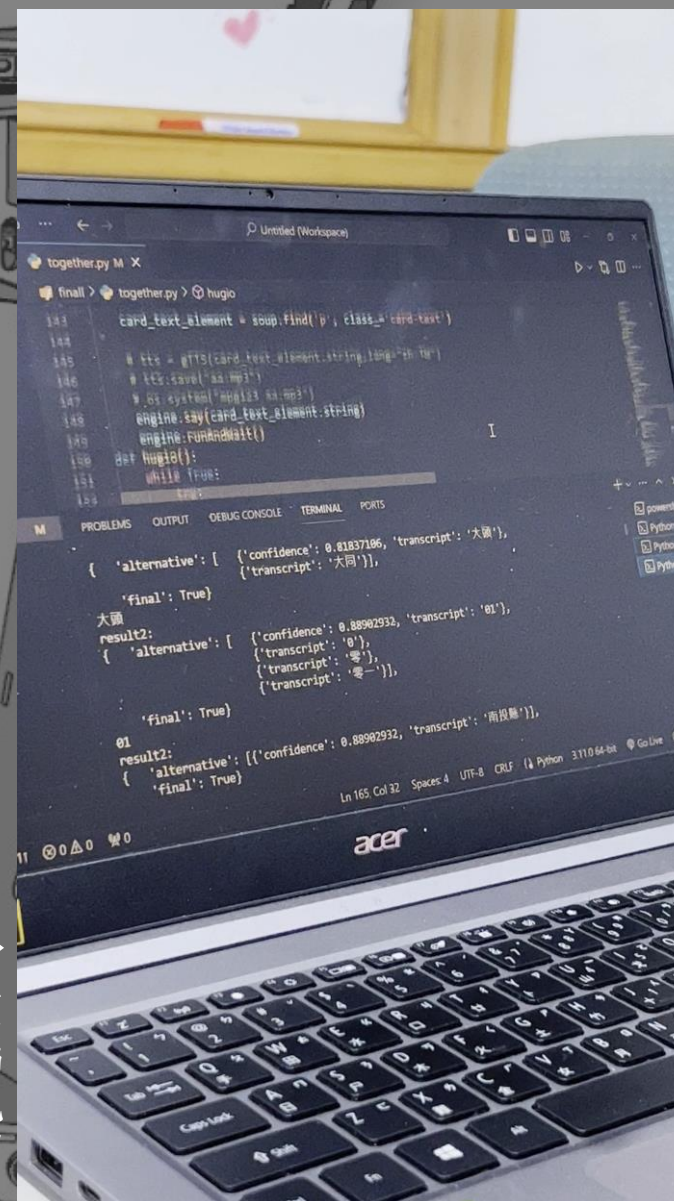
回答問題

居家問診

▶ 樹梅派範例



▶ 電腦範例

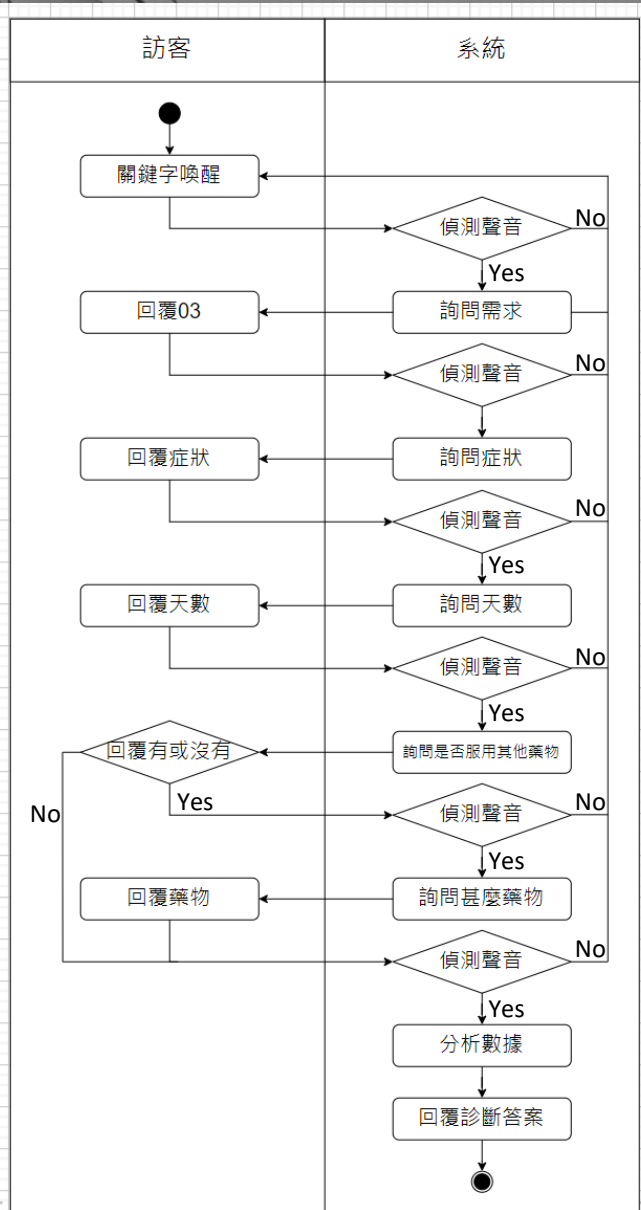


眼球移動

播報天氣

回答問題

居家問診



眼球移動

播報天氣

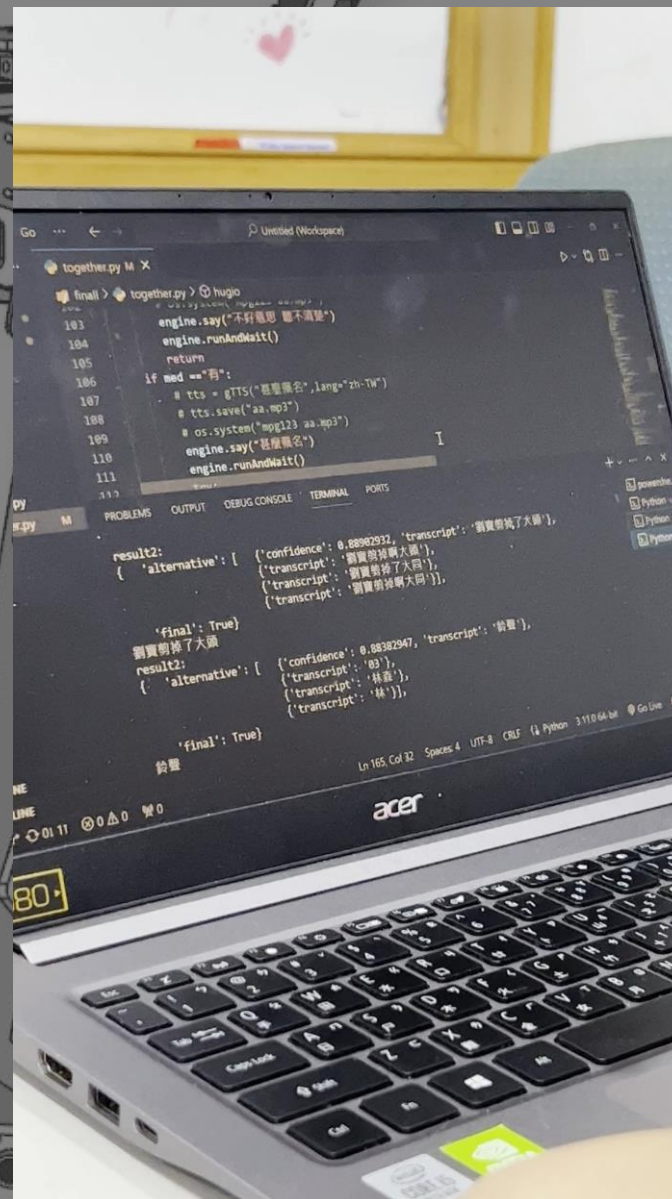
回答問題

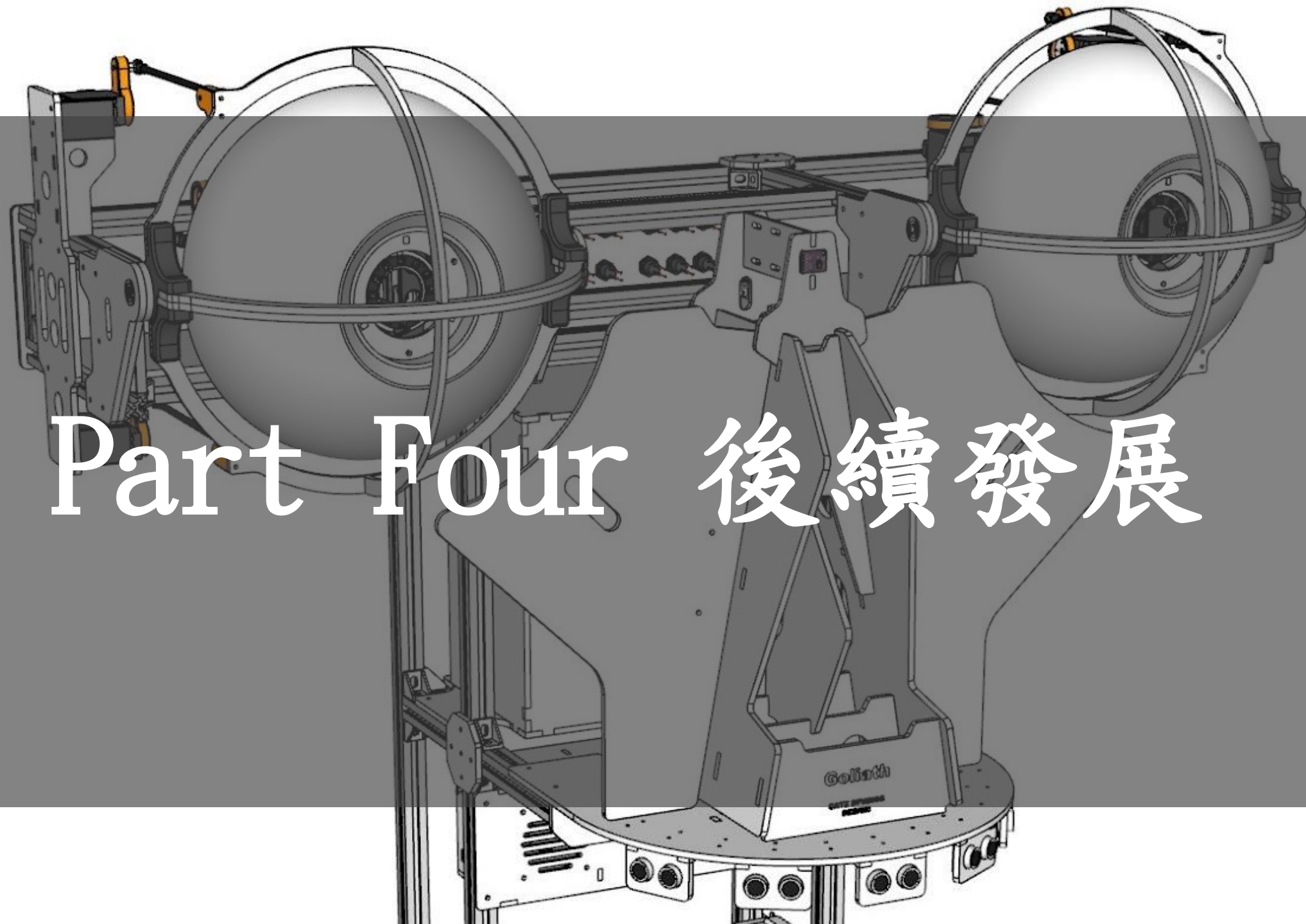
居家問診

▶ 樹梅派範例



▶ 電腦範例





Part Four 後續發展

後續發展



1. 加強硬體與美工

將功能合併
改善系統回答的延遲
並針對外觀和設備進行加強

找機會多與學校合作
或將它放置多人經過的位置

2. 增加曝光度與商機

3. 加入人工智慧

有人工智慧的進入
將能做出更人性化的回答

增加聆聽的穩定性
以及
加快反應的速度

4. 品質優化

專案實作分工說明及自我評分

姓名	請列舉事實或描述組員的工作內容	自我評分分數	備註
徐晨祐	程式撰寫、外觀美工、硬體維護	88/100	—
陳宥廷	程式撰寫、樹莓派環境設定、機器測試	88/100	—
蕭恩光	PPT講稿製作、監工督促、機器測試	88/100	—
洪 瑜	外觀美工、PPT講稿製作、機器測試	88/100	—



THANKS FOR YOUR LISTENING

The background image is a detailed technical line drawing of a mechanical assembly. It features two large, spherical components, possibly lenses or mirrors, mounted on a complex frame. A central structure, possibly a support or a platform, is positioned between them. The drawing is rendered in a clean, technical style with various lines and components labeled. The text "THANKS FOR YOUR LISTENING" is overlaid in the center of the image, with a horizontal orange line passing through it.