

Portfolio Projects

Evan Wong

List of Projects

Web ERP System (page 03)

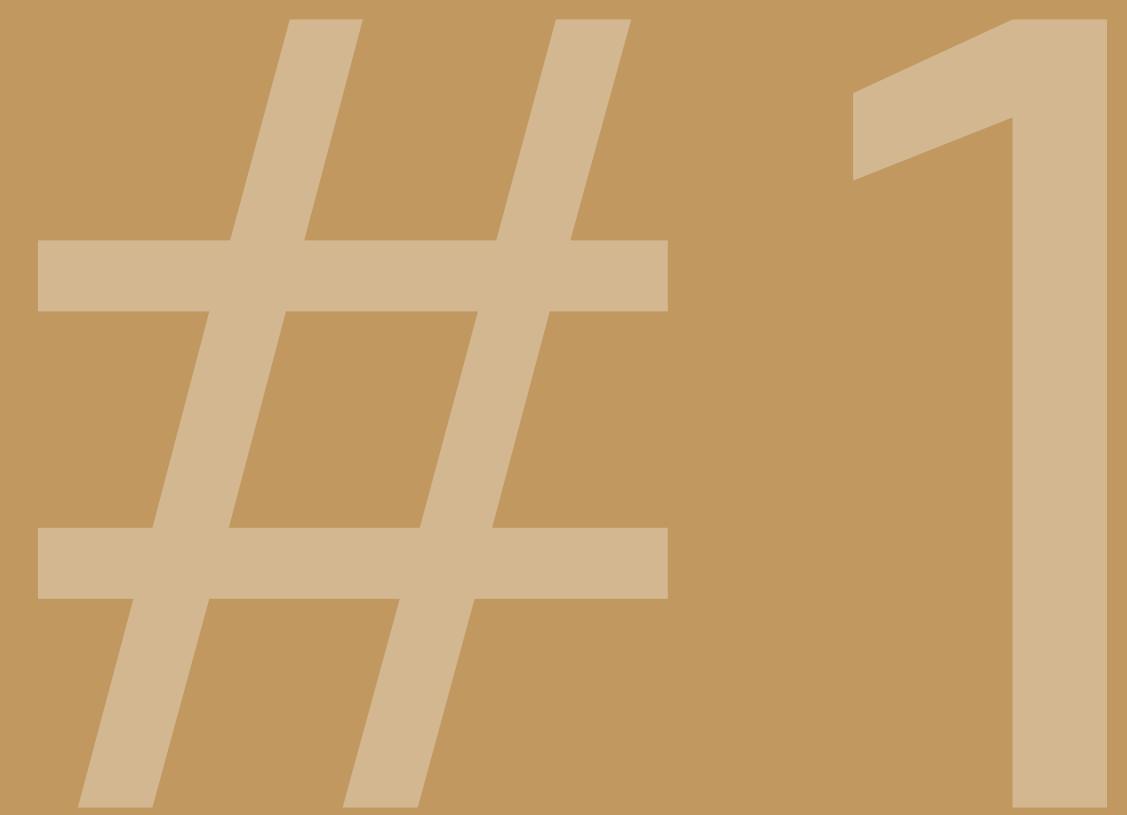
RentHub (page 20)

PotPoint (page 34)

Web ERP System

Remark:

The following information is fictional; all confidential
information has been redacted by █.



Tech stack

Front end

Vue.js, Vuex, Quasar
Framework, ECharts



Data communication

Axios, Socket.IO



Back end

Node.js, Express.js,
Formidable, ExcelJS,
MongoDB



Main functions

Financial management

- Including accounting, financial reporting, budget management, and cost control functionalities.

Production management

- Planning and controlling the production process, including material requirements planning and resource allocation.

Inventory management

- Tracking and managing inventory levels.
- Creating material codes for inventories to establish a standardized and structured system for identifying and categorizing inventory items.

Project management

- Managing project schedules, resource allocation, and project costs.

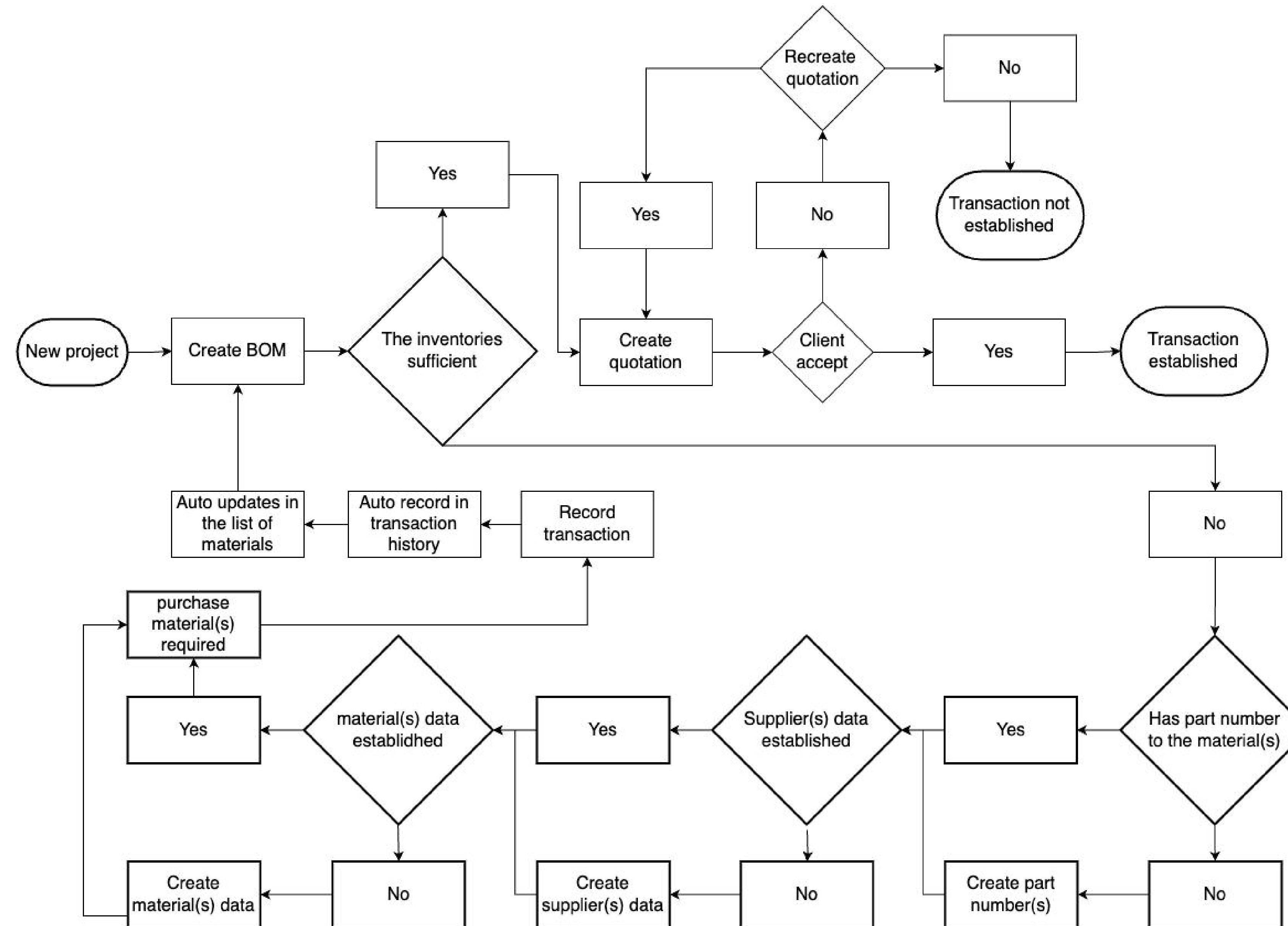
Purchasing management

- Managing the procurement process, including supplier selection, purchase orders, and supplier payments.

Customer and Supplier management

- Tracking customers and suppliers information.

Flow chart



Customers and Suppliers information

Customer and Supplier management

- Record customer and supplier data.
- Validate user-entered data before submission to ensure compliance with rules and prevent duplicates.
- Provide CRUD functionality.

The image shows a screenshot of a Customer and Supplier Management application interface. The top part displays a search bar and a list of firms. The bottom part shows a detailed view of a firm's information with options to open an update dialog or delete the record.

Search bar: Located at the top left of the search screen, highlighted with a red box.

List of firms: A list of company records displayed on the left side of the search screen, highlighted with a red box.

Open update dialog: A red box highlights the "更新" (Update) button in the top right corner of the detailed view screen.

Open delete confirmation: A red box highlights the "刪除" (Delete) button in the top right corner of the detailed view screen.

UI Elements: The application includes various input fields for company details like 統編 (统一编号), 公司名稱 (Company Name), Email, 地址 (Address), 負責人 (Responsible Person), 電話國際區號 (International Phone Number), 傳真國際區號 (International Fax Number), and 資本額 (Capital). It also features tabs for different sections such as 進銷庫存記錄 (Inventory Record), 歷史進銷查詢 (Historical Sales Inquiry), 物料清單 (Material List), BOM表 (BOM Table), 材料資料管理 (Material Data Management), 產品種類 (Product Categories), and 廠商資料 (Supplier Information).

Materials classification

- 進銷庫存記錄
- 歷史進銷查詢
- 物料清單
- BOM表
- 材料資料管理
- 產品種類**
- 廠商資料

產品種類

Search field **Input field**

| 統編 | 公司名稱 | 產品種類 | 種類料號 | 產品材質 | 材質料號 |
|--------------------------|------------|------|------|------|------|
| <input type="checkbox"/> | [REDACTED] | 管材 | K000 | 透明水管 | 14 |
| <input type="checkbox"/> | [REDACTED] | 管材 | K000 | 自來水管 | 09 |
| <input type="checkbox"/> | [REDACTED] | 管材 | K000 | 軟管 | 13 |
| <input type="checkbox"/> | [REDACTED] | 管材 | K000 | 軟管 | 13 |
| <input type="checkbox"/> | [REDACTED] | 管材 | K000 | EMT管 | 12 |

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Materials classification

Inventory Management

- Manage (CRUD) part numbers help the company track the flow of materials in the supply chain. By assigning part numbers, the company can accurately identify each material and replenish inventory when needed, ensuring an adequate supply while avoiding overstock or stockouts.

Quality Control

- Part numbers enable precise identification and tracking of different materials. This helps ensure consistent product quality and facilitates quick traceability to specific material batches or suppliers in case of defects or issues.

Supply Chain Coordination

- In the supply chain, the company interact and collaborate with suppliers, manufacturers, and distributors. Using part numbers allows different trading partners to precisely identify and communicate specific materials, ensuring accuracy and consistency in orders and deliveries.

Cost Management

- Part numbers assist in better cost management. By assigning standardized numbers and tracking materials, the company can more easily analyze and compare prices and performance from different suppliers, enabling more informed procurement and sourcing decisions.

Efficiency Improvement

- The use of part numbers can enhance internal process efficiency. For example, in procurement and manufacturing, using part numbers simplifies the ordering process, reduces errors and confusion, and speeds up material sourcing and production schedules.

Material Management

Inventory management

- Record, track, and manage (CRUD) detailed information about materials, inventory levels, supplier information, and part numbers.

Upload / Download invoice

- Upload invoices before submitting material data for future downloading and viewing.
- Facilitate comparison of supplier price increases.
- Helps the accountant record purchase costs accurately and supports activities such as tax filings, cost calculations, and financial analysis.

The screenshot displays a Material Management system interface. On the left, a sidebar menu lists several options: 進銷庫存記錄 (Sales and Inventory Record), 歷史進銷查詢 (Historical Sales and Purchase Query), 物料清單 (Material List), BOM表 (BOM Table), **材料資料管理** (Material Data Management), 產品種類 (Product Type), and 廠商資料 (Supplier Information). The '材料資料管理' option is currently selected and highlighted in blue.

The main area contains two forms:

- 材料資料管理 (Material Data Management):** This form is used to input detailed material information. It includes fields for: 統編 (Serial Number), 公司名稱 (Company Name), 產品種類 (Product Type), 產品材質 (Product Material), 型號 (Model), 產品名稱 (Product Name), 電壓 (Voltage), 描述 (Description), 電流 (Current), 電率 (Frequency), 輸出功率 (Output Power), 規格 (Specification), and 特性 (Characteristics). A red box highlights the 'Upplad invoice' button, which is associated with the '上傳發票' (Upload Invoice) button in the top right corner of the form.
- 材料資料管理 (Material Data Management):** This form shows a list of material items. The columns include: 統編 (Serial Number), 公司名稱 (Company Name), 產品種類 (Product Type), 產品材質 (Product Material), 產品名稱 (Product Name), 管材口徑 (Piping Diameter), 管材名稱 (Piping Name), 產品料號 (Product Part Number), 型號 (Model), 描述 (Description), 電壓 (Voltage), 電流 (Current), 電率 (Frequency), 輸出功率 (Output Power), 規格 (Specification), and 特性 (Characteristics). A red box highlights the 'Download invoice' button, which is associated with the '下載發票' (Download Invoice) button in the top right corner of the list view. The list view also includes buttons for 表單 (Form), 更新 (Update), 重設 (Reset), and 刪除 (Delete).

At the bottom right of the interface, there is a page navigation bar with the text: 每頁筆數: 15 | 1-15 / 972 | < < > >|.

Bill of Material (BOM) / Quotation

Generate BOM or Quotation

- A Bill of Materials (BOM) is a comprehensive list of items, parts, assemblies, and materials required to produce or manufacture a specific finished product. It serves as a blueprint for creating the product.
- A quotation, also known as a quote, is a fixed-price proposal provided to a customer. It outlines the cost of a product or service and cannot be modified once the customer agrees.

The screenshot shows a software interface for managing BOM and Quotation. On the left, there is a sidebar with buttons for '進銷庫存記錄', '歷史進銷查詢', '物料清單', 'BOM表' (highlighted in blue), '材料資料管理', '產品種類', and '廠商資料'. The main area has a title '• 基本資料' and two red boxes highlighting sections. The top red box contains 'Project code: 00001', '日期: 113/03/10', '客戶名稱: 領先豐貿易有限公司', '客戶電話: (886) 02 - 85223325', '工程名稱: 工程一', '統編: 12803855', '連絡人: 張雋弘', and '客戶傳真: 02 - 85223323'. An arrow points from this box to a red box around the 'Basic information' and 'Header in the sheet' text. The bottom red box highlights a table titled '常用清單' (常用清單) with columns '產品種類' and '工具'. It lists four items: '變壓器' (Transformer), '電控材料' (Electrical Control Materials), and '工具' (Tools). A red arrow points from this box to the 'Materials classification applied in the sheet' text at the bottom.

• Basic information
• Header in the sheet

Materials classification applied in the sheet

Bill of Material (BOM) / Quotation

Select type of sheet

Input field

Export Excel file

Click to insert data into sheet

| 報價單 | | | | | | | | | | 物料清單 | | | | | | | | | | | | | |
|--------------------------|--------------------------------------|--|------------------------------|--|----|----|-------|-------|----|--------------------------|--------|---------|--|----|--|----|----|----|----|----|----|--|--------|
| 客戶名稱：領先豐貿易有限公司 | | | | | | | | | | 客戶名稱：領先豐貿易有限公司 | | | | | | | | | | | | | |
| 工程名稱：工程一 | | | | | | | | | | 工程名稱：工程一 | | | | | | | | | | | | | |
| 連絡人：張雋弘 | | | | | | | | | | 連絡人：張雋弘 | | | | | | | | | | | | | |
| 客戶電話：(886) 02 - 85223325 | | | | | | | | | | 客戶電話：(886) 02 - 85223325 | | | | | | | | | | | | | |
| 客戶傳真：02 - 85223323 | | | | | | | | | | 客戶傳真：02 - 85223323 | | | | | | | | | | | | | |
| 項次 | 名稱內容 | | 規格 | | 數量 | 單位 | 單價 | 複價 | 備註 | 小計 | 項次 | 名稱內容 | | 規格 | | 數量 | 單位 | 單價 | 複價 | 備註 | 小計 | | |
| 1 | 變壓器(H型) 380.415.440V/110.220V(1A)TRS | | 380.415.440V/110.220V(1A)TRS | | 1 | 個 | 1,000 | 1,000 | | 11,800 | 1 | 變壓器 | | | | | | | | | | | |
| 2 | S-P35T接觸器 | | S-P35T接觸器 | | 1 | 個 | 1,500 | 1,500 | | 590 | 2 | 電控材料 | | | | | | | | | | | |
| 3 | 電焊機ARC-250CS 新展 | | ARC-250CS | | 1 | 個 | 3,000 | 3,000 | | 12,390 | 3 | 工具 | | | | | | | | | | | |
| 4 | 八里-石門 | | | | 1 | 趟 | 3,300 | 3,300 | | | 4 | 運費 | | | | | | | | | | | |
| 5 | 起重搬運 | | | | 1 | 趟 | 3,000 | 3,000 | | | 5 | 其他費用 | | | | | | | | | | | |
| 合計 | | | | | | | | | | | 11,800 | 合計 | | | | | | | | | | | 11,800 |
| 營業稅5% | | | | | | | | | | | 590 | 八里-石門 | | | | | | | | | | | 3,300 |
| 總計：壹萬貳仟參佰玖拾元整 | | | | | | | | | | | 12,390 | 起重搬運 | | | | | | | | | | | 3,000 |
| 1. 本報價單有效期限：15天。 | | | | | | | | | | | | 經辦人：潘啟川 | | | | | | | | | | | |
| 2. 交貨期限：圖面確認後45天。 | | | | | | | | | | | | 合計 | | | | | | | | | | | 11,800 |

Bill of Material (BOM) / Quotation

Data input reminders

- Only allow users to select materials with available inventory to avoid issues from insufficient stock.
- Provide inventory quantity alerts.
- Display an insufficient stock warning when the input quantity exceeds the material's inventory level.

Flexibility of data display and manipulation

- Real-time data synchronization in the form of instant data review and reduced errors.
- Instantly switch between BOM and Quotation form templates.
- Provide Excel export functionality for time-saving compilation.

Enhancement of managements

- **Financial management:** include budget management and cost control functionalities.
- **Production management:** plan the production process, including material requirements planning, production scheduling, and resource allocation.
- **Project management:** manage project schedules, resource allocation, and project costs.

Bill of Material (BOM) / Quotation

Provide search functionality

- Easily search BOM or Quotation by entering any search criteria.
- Ability to delete specified BOM or Quotation from the search results.
- Provide Excel export functionality.

The screenshot shows a search interface for BOM or Quotation. On the left, there is a search form with fields for '工程名稱' (Project Name), '編號' (Number), '客戶名稱' (Customer Name), '日期' (Date), '產品種類' (Product Type), and '產品名稱' (Product Name). A red box labeled 'Input keyword' points to the '工程名稱' field. A red box labeled 'Search' points to the '搜尋' (Search) button. At the top right, a red box labeled 'Open search dialog' points to the '搜尋' button in the header. On the right, a red box labeled 'View details' points to a '檢視' (View) button next to a '刪除' (Delete) button. The results table lists two entries:

| | 編號 | 表單名稱 | 統編 | 客戶名稱 | 工程名稱 | Project code | 日期 |
|--------------------------|------------|------|----------|-----------|------|--------------|-----------|
| <input type="checkbox"/> | 2024030901 | 物料清單 | 12803855 | 領先豐貿易有限公司 | 工程一 | 00001 | 113/03/10 |
| <input type="checkbox"/> | 2024030902 | 報價單 | 12803855 | 領先豐貿易有限公司 | 工程一 | 00001 | 113/03/10 |

Page information at the bottom: 每頁筆數: 5 ▾ 1-2 / 2

The screenshot shows a quotation interface. On the left, there is a search form with fields for '工程名稱' (Project Name), '編號' (Number), '客戶名稱' (Customer Name), '日期' (Date), '產品種類' (Product Type), and '產品名稱' (Product Name). A red box labeled 'Export Excel file' points to the '匯出檔案' (Export File) button. The main area displays company information: 瑋安企業有限公司, 新北市八里區賢一街129-1號, Tel : 02-8292-7060, Fax : 02-8292-7201. Below this is a quotation table:

| 報 價 單 | | | | | | | |
|----------------|--------------------------------------|------------------------------|-----|----|-------|-------|-----|
| 客戶名稱：領先豐貿易有限公司 | | 編 號：2024030902 | | | | | |
| 工程名稱：工程一 | | 日期：113/03/10 | | | | | |
| 連絡人：張雋弘 | | 客戶電話：(886) 02 - 85223325 | | | | | |
| | | 客戶傳真：02 - 85223323 | | | | | |
| 項 次 | 名 稱 內 容 | 規 格 | 數 量 | 單位 | 單 價 | 複 價 | 備 註 |
| 6 | 變壓器(H型) 380.415.440V/110.220V(1A)TRS | 380.415.440V/110.220V(1A)TRS | 1 | 個 | 1,000 | 1,000 | |
| 7 | S-P35T接觸器 | S-P35T接觸器 | 1 | 個 | 1,500 | 1,500 | |
| 8 | 電焊機ARC-250CS 新展 | ARC-250CS | 1 | 個 | 3,000 | 3,000 | |
| 9 | 八里--石門 | | 1 | 趟 | 3,300 | 3,300 | |
| 10 | 起重搬運 | | 1 | 趟 | 3,000 | 3,000 | |
| 合計 | | | | | | | |
| 11,800 | | | | | | | |

List of materials

Inventory management

- Track and manage (CRUD) inventory levels and supplier information for materials.
- Provide convenient search functionality for users to quickly find the requested material data.
- By leveraging recorded material data, the company could compare quotes from different suppliers and identify materials with the most competitive prices.
- Efficiently compare whether suppliers have adjusted prices.

The screenshot displays a material management application interface. On the left, a vertical navigation bar lists several modules: 進銷庫存記錄, 歷史進銷查詢, 物料清單 (highlighted in blue), BOM表, 材料資料管理, 產品種類, and 廠商資料. The '物料清單' module is currently active, indicated by a blue background. The main content area shows a 'Material List' (物料清單) page with a red box highlighting the 'Materials tree menu' (物料樹狀菜單) on the left. This menu shows a hierarchical structure of materials, with '銅管' (Copper Pipe) expanded to show various sizes like 1-5/8", 2-1/8", etc. A second red box highlights the 'Search field' (Search field) at the top of the page, which includes dropdowns for 'Search Criteria' (搜尋欄目) and 'Search Scope' (搜尋範圍), and a search button. Below the search bar is a table titled '管材-銅管-2-1/8"-90度灣頭2-1/8"' showing purchase history. The table columns include 日期 (Date), 進銷項 (Purchase/Sale Item), 統編 (Serial Number), 公司名稱 (Company Name), 單價 (Unit Price), 數量 (Quantity), 折扣 (Discount), 複價 (Surcharge), 付款條件 (Payment Terms), 稅金 (Tax), Project code, and 備註 (Remarks). The table shows five entries for purchases on 111/07/25, 111/08/23, and 111/12/26, with quantities ranging from 10 to 20 units and unit prices from \$213 to \$213. A red arrow points from the 'Materials tree menu' label to the tree menu itself. Another red arrow points from the 'Search field' label to the search bar.

Transaction record

Transaction management

- Create transaction records, including information on suppliers/customers, orders and payments/revenues.

進銷庫存記錄

報價單編號
2024030902

發票基本資料

| | |
|-----------------|-----------------|
| 時間 113/03/14 | 發票種類 二聯式統一發票 |
| 發票號 ex000001 | 期年 2000 |
| 期數 3-4 | |

重設 下一頁

進銷庫存記錄

歷史進銷查詢

物料清單

BOM表

材料資料管理

產品種類

廠商資料

進銷庫存記錄

發票基本資料

| | |
|----------------------------|-----------------|
| 時間 113/03/14 | 發票種類 三聯式統一發票 |
| 發票號 xa000001 | 統編 41164033 |
| 公司名稱 中國青年救國團新北市土城國民運動中心 | 期年 2024 |
| 期數 1-2 | |

重設 繼續

進銷庫存記錄

歷史進銷查詢

物料清單

BOM表

材料資料管理

產品種類

廠商資料

進銷庫存記錄

發票基本資料

產品種類
電子零件

產品材質
電動閥

產品名稱
電動閥PEI-0622

型號
電動頭JS-03H*110V單相**加手輪

數量
2

單價
\$ 1250

Project code
00001

備註(選填)

進項

發票細項

每頁筆數: 5 1-5 / 5

返回 送出

2. Input sales data

Inventory management

- Based on purchase or sales records, automatically increase or decrease the inventory levels.

Transaction history

Transaction management

- Manage transaction details, including the ability to query or delete past orders and payment information.
- Offer a wide range of search criteria, such as time range, accounting period, transaction type, invoice number and project code.
- Using the project code as a search parameter allows for rapid retrieval of project-specific expenses and revenues to provide real-time visibility into the company's business operations.

Filter by time period

Filter by accounting period

| Selection Box | Purchase Item | Year | Month | Company Name | Invoice Number | Date | Settlement | Sales Amount | Tax | Total Amount | Invoice Type | Remarks |
|-----------------------------|---------------|------|-------|--------------|----------------|-----------|------------|--------------|---------|--------------|-------------------------------|---------|
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/10/19 | [REDACTED] | \$15,475 | \$774 | \$16,249 | Three-in-one Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/09/16 | [REDACTED] | \$53,980 | \$2,699 | \$56,679 | Three-in-one Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/08/19 | [REDACTED] | \$31,167 | \$1,574 | \$32,741 | Three-in-one Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/10/31 | [REDACTED] | \$3,912 | \$196 | \$4,108 | Cash Register Uniform Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/09/27 | [REDACTED] | \$5,060 | \$253 | \$5,313 | Three-in-one Invoice | |
| Total | | | | | | | | | | | | |
| \$109,594 \$5,496 \$115,090 | | | | | | | | | | | | |

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Search field

| Selection Box | Purchase Item | Year | Month | Company Name | Invoice Number | Date | Settlement | Sales Amount | Tax | Total Amount | Invoice Type | Remarks |
|-----------------------------|---------------|------|-------|--------------|----------------|-----------|------------|--------------|---------|--------------|-------------------------------|---------|
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/10/19 | [REDACTED] | \$15,475 | \$774 | \$16,249 | Three-in-one Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/09/16 | [REDACTED] | \$53,980 | \$2,699 | \$56,679 | Three-in-one Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/08/19 | [REDACTED] | \$31,167 | \$1,574 | \$32,741 | Three-in-one Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/10/31 | [REDACTED] | \$3,912 | \$196 | \$4,108 | Cash Register Uniform Invoice | |
| <input type="checkbox"/> | Purchase Item | 2022 | 09-10 | [REDACTED] | [REDACTED] | 111/09/27 | [REDACTED] | \$5,060 | \$253 | \$5,313 | Three-in-one Invoice | |
| Total | | | | | | | | | | | | |
| \$109,594 \$5,496 \$115,090 | | | | | | | | | | | | |

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Transaction history

Transaction management

- Users can manage (CRUD) detailed information for each order.
- Track all items within each order, including the project code they are associated with.
- Allow managers to access this data anytime and make informed decisions.

歷史進銷查詢

The screenshot shows a table of purchase invoices. The columns include: 進銷項 (Purchase Type), 期年 (Year), 期數 (Period), 公司名稱 (Company Name), 發票號 (Invoice No.), 時間 (Time), 統編 (Serial No.), 賣額 (Sales Amount), 稅金 (Tax), 總額 (Total Amount), 發票種類 (Invoice Type), and 備註 (Remarks). The 'Invoice Details' button is highlighted with a red box and an arrow points from it to the bottom section of the interface.

| 進銷項 | 期年 | 期數 | 公司名稱 | 發票號 | 時間 | 統編 | 賣額 | 稅金 | 總額 | 發票種類 | 備註 |
|-----|------|-------|------------|-----------|------------|-----------|---------|-----------|---------|------|----|
| 進項 | 2022 | 09-10 | [REDACTED] | 111/10/19 | [REDACTED] | \$15,475 | \$774 | \$16,249 | 三聯式統一發票 | | |
| 進項 | 2022 | 09-10 | [REDACTED] | 111/09/16 | [REDACTED] | \$53,980 | \$2,699 | \$56,679 | 三聯式統一發票 | | |
| 進項 | 2022 | 09-10 | [REDACTED] | 111/08/19 | [REDACTED] | \$31,167 | \$1,574 | \$32,741 | 三聯式統一發票 | | |
| 進項 | 2022 | 09-10 | [REDACTED] | 111/10/31 | [REDACTED] | \$3,912 | \$196 | \$4,108 | 收銀機統一發票 | | |
| 進項 | 2022 | 09-10 | [REDACTED] | 111/09/27 | [REDACTED] | \$5,060 | \$253 | \$5,313 | 三聯式統一發票 | | |
| 合計 | | | | | | \$109,594 | \$5,496 | \$115,090 | | | |

歷史進銷查詢

發票號 : DU39334456

The screenshot shows the details of an invoice with the number DU39334456. The table includes columns for Product Type, Product Name, Model, Quantity, Unit Price, Total Price, and Project Code. The 'Invoice details' table is highlighted with a red box and an arrow points from it to the bottom section of the interface.

| 產品種類 | 產品名稱 | 型號 | 數量 | 單價 | 複價 | Project code |
|------------|------------|------------|----|---------|----------|--------------|
| [REDACTED] | [REDACTED] | [REDACTED] | 2 | \$25 | \$50 | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | 1 | \$230 | \$230 | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | 1 | \$940 | \$940 | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | 1 | \$320 | \$320 | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | 2 | \$320 | \$640 | [REDACTED] |
| 合計 | | | | \$2,755 | \$15,475 | |

Invoice details

Transaction history

Financial management

- Offer the ability to export financial data and automatically categorize it based on invoice types, specified amounts and so on, to meet the format requirements of accounting firms and save on labor costs.
- When there is a need to track the generation of specific reports and related data, it becomes easy to trace back to the corresponding records in the system.

歷史進銷查詢

Export Excel file

| A | B | C | D | E | F | G | H | I | J | K |
|------|----|------------|-----------|---------|----|-----------|---------|-----------|-------------------|----|
| 1 業主 | 項目 | 發票號碼 | 日期mmdd | 稅別/項目 | 統編 | 銷售額 | 稅額 | 總額 | 種類 | 備註 |
| 2 | | DU39334456 | 111/10/19 | 三聯式統一發票 | | 15,475 | 774 | 16,249 | | |
| 3 | | du39334084 | 111/09/16 | 三聯式統一發票 | | 53,980 | 2,699 | 56,679 | | |
| 4 | | BS39294866 | 111/08/19 | 三聯式統一發票 | | 31,167 | 1,574 | 32,741 | | |
| 5 | | DU37110252 | 111/09/22 | 三聯式統一發票 | | 25,690 | 1,285 | 26,975 | | |
| 6 | | DU42443010 | 111/09/01 | 三聯式統一發票 | | 10,500 | 525 | 11,025 | | |
| 7 | | DU52443039 | 111/10/01 | 三聯式統一發票 | | 10,500 | 525 | 11,025 | | |
| 8 | | DU28390359 | 111/09/22 | 三聯式統一發票 | | 11,204 | 560 | 11,764 | | |
| 9 | | DV11049154 | 111/09/29 | 三聯式統一發票 | | 12,630 | 632 | 13,262 | | |
| 10 | | DU28390313 | 111/10/19 | 三聯式統一發票 | | 120,600 | 6,030 | 126,630 | | |
| 11 | | FL09140231 | 111/09/16 | 電子發票 | | 10,368 | 518 | 10,886 | 住宿費 | |
| 12 | | DU32093254 | 111/09/15 | 三聯式統一發票 | | 300,000 | 15,000 | 315,000 | | |
| 13 | | BS03913791 | 111/08/19 | 三聯式統一發票 | | 14,274 | 714 | 14,988 | | |
| 14 | | BS39034443 | 111/08/31 | 三聯式統一發票 | | 44,000 | 2,200 | 46,200 | 1.5HR 16T爬山 | |
| 15 | | DU11408192 | 111/09/02 | 三聯式統一發票 | | 24,250 | 1,213 | 25,463 | | |
| 16 | | EZ43493627 | 111/09/20 | 電子發票 | | 47,760 | 2,388 | 50,148 | | |
| 17 | | EV85762794 | 111/09/12 | 電子發票 | | 28,000 | 700 | 28,700 | | |
| 18 | | EX51924546 | 111/09/20 | 電子發票 | | 30,000 | 1,500 | 31,500 | | |
| 19 | | DU39098834 | 111/09/30 | 三聯式統一發票 | | 19,500 | 1,650 | 21,150 | 9/5 2HR 16T 加班 | |
| 20 | | DV21156424 | 111/09/30 | 收銀機統一發票 | | 23,900 | 1,195 | 25,095 | 上等17:00~18:06 | |
| 21 | | DU40430457 | 111/09/08 | 三聯式統一發票 | | 25,000 | 1,250 | 26,250 | 楊梅裕成路17號 機台*5組合定位 | |
| 22 | | BS50072165 | 111/08/25 | 三聯式統一發票 | | 183,913 | 9,196 | 193,109 | | |
| 23 | | BS51644655 | 111/08/23 | 三聯式統一發票 | | 12,800 | 640 | 13,440 | | |
| 24 | | BS51644525 | 111/08/12 | 三聯式統一發票 | | 223,560 | 11,178 | 234,738 | | |
| 25 | | DU33315950 | 111/09/29 | 三聯式統一發票 | | 137,725 | 6,889 | 144,614 | | |
| 26 | | DU53256798 | 111/09/25 | 三聯式統一發票 | | 57,215 | 2,874 | 60,089 | | |
| 27 | | DU40430523 | 111/10/13 | 三聯式統一發票 | | 15,000 | 750 | 15,750 | 楊梅體育園區 空調箱定位 | |
| 28 | | EX51925008 | 111/10/19 | 電子發票 | | 10,800 | 540 | 11,340 | | |
| 29 | | DU35657809 | 111/10/27 | 三聯式統一發票 | | 12,952 | 648 | 13,600 | 圖號：K5-22A301A | |
| 30 | | DU33317573 | 111/10/14 | 三聯式統一發票 | | 39,930 | 1,997 | 41,927 | | |
| 31 | | DU32093271 | 111/10/31 | 三聯式統一發票 | | 940,000 | 47,000 | 987,000 | 康橋二期熱泵工程 | |
| 32 | | DU35940256 | 111/09/10 | 三聯式統一發票 | | 84,857 | 4,243 | 89,100 | | |
| 33 | | DU35940206 | 111/10/10 | 三聯式統一發票 | | 84,857 | 4,243 | 89,100 | | |
| 34 | 合計 | | | | | 2,662,407 | 133,130 | 2,795,537 | | |
| 35 | | | | | | | | | | |

進貨發票稅額500元以上 進貨發票稅額500元以下 其他費用-稅額500元以下 交通費 銷貨發票 營業稅估算 + | < > |

RentHub

#2

Introduction

A mobile app for rental service

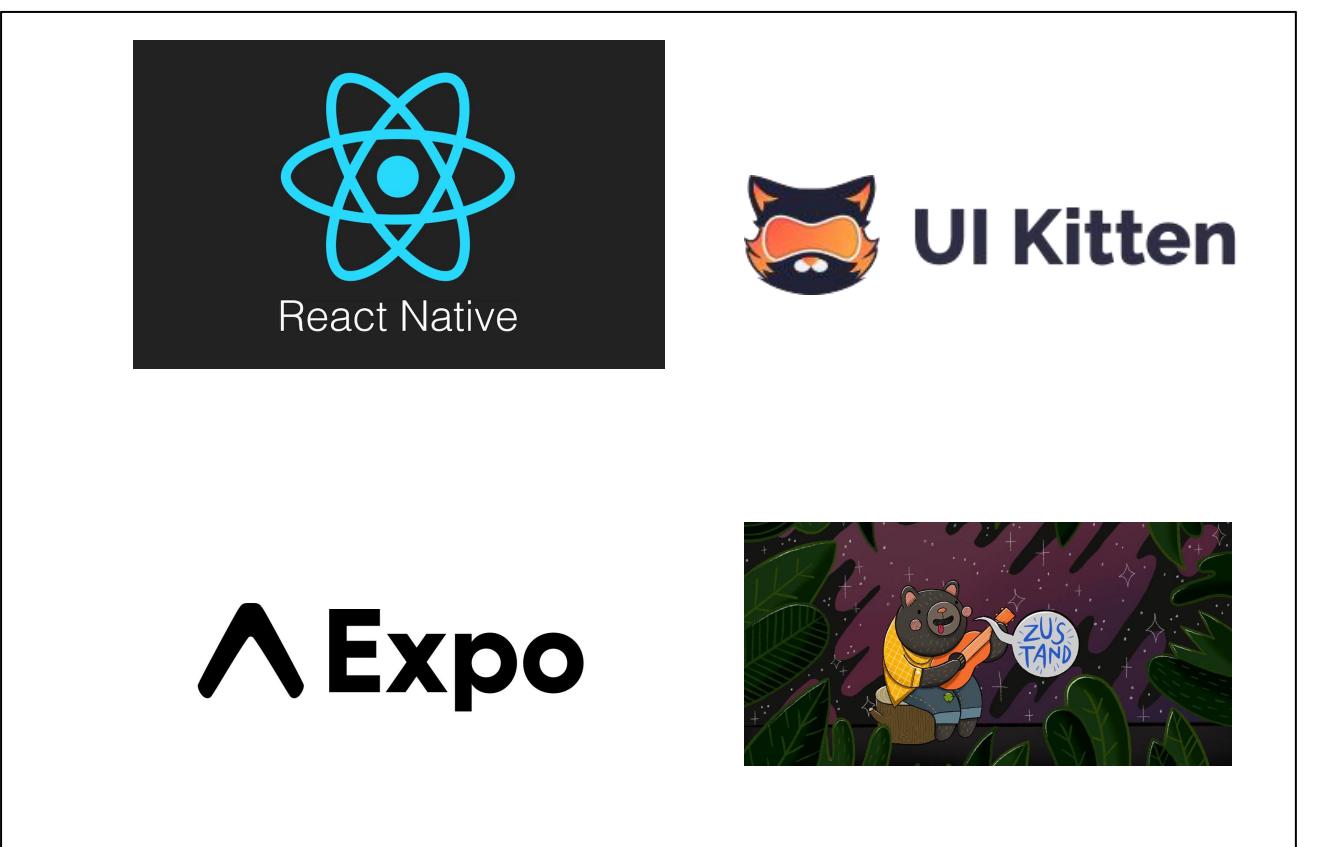
- As an intermediary between property owners and tenants, providing services such as property listing, rental management, and rent collection for property owners, as well as property information and consultation services for tenants.
- Connect property owners and tenants, offering a convenient way to search for and rent properties.



Tech stack

Front end

React Native, UI Kitten, Zustand, Expo (camera, document-picker, file-system, image-picker, linking, sharing, status-bar)



Ajax

Axios



Main services offered

Property Listing

Property owners can list their available properties on the platform, including detailed information, photos, and pricing. This allows tenants to find a variety of rental options in one place.

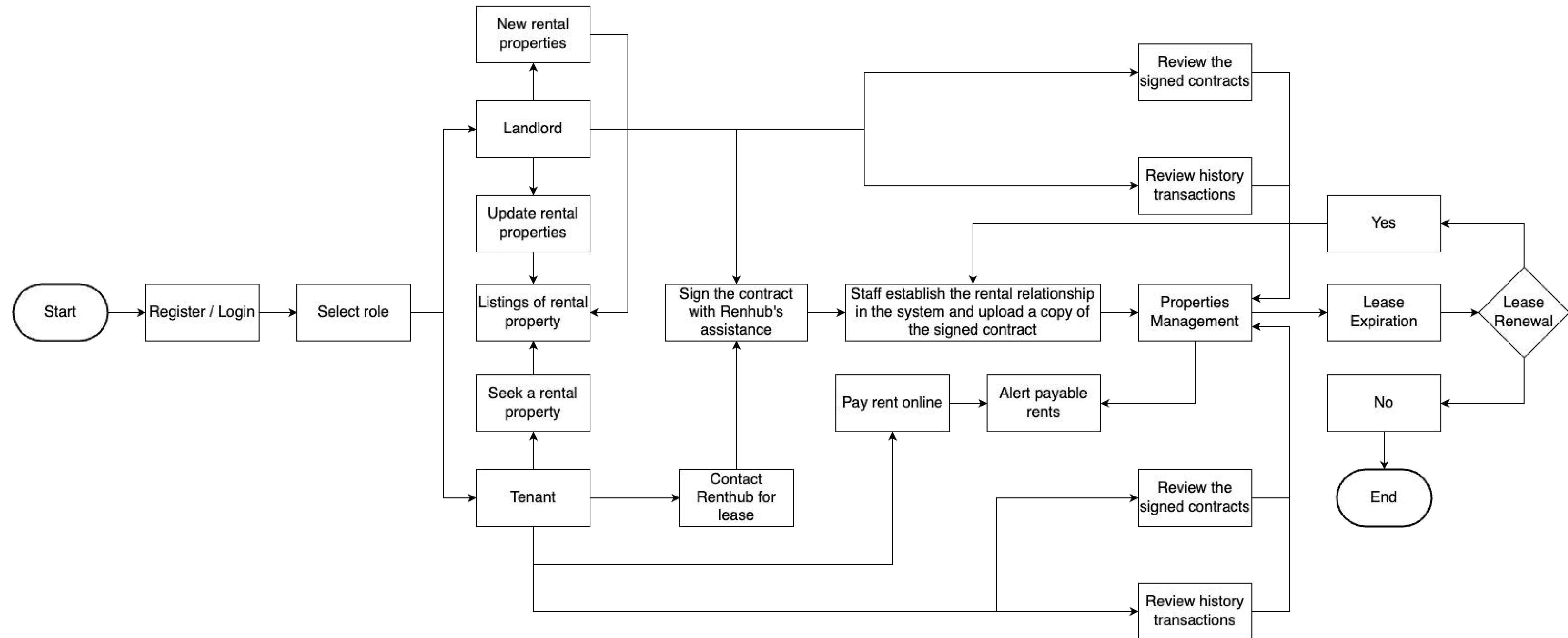
Rental Management and Rent Collection Services

The platform may provide services to property owners for managing rentals and collecting rent. This means that property owners can delegate rental tasks to the platform, such as tenant screening, lease signing, and rent collection.

Property Information and Consultation Services

For tenants, these platforms typically offer search and filtering functions, allowing them to search for suitable rental properties based on their requirements. The platforms may also provide additional services such as rental consultation, arranging property viewings, and assisting with lease agreements.

Flow Chart



Home page

Click to provide properties in specific region.

Navigate to Property Details.

Properties Overview

- In list format, provide an overview of various properties, including details such as location, size, type, age, monthly rent, and listing date.
- Offer filtering by different regions in Hong Kong.
- Provide pull refresh.

The screenshot shows the RentHub mobile application's home screen. At the top, there is a red call-to-action button with the text "Click to provide properties in specific region." and a red arrow pointing to the right. Below this, the RentHub logo is displayed, followed by a dropdown menu set to "全香港" (All Hong Kong). The main content area displays five property listings in a grid format:

- 近地鐵行一層一房一廳**
深水埗
實160呎 | 唐樓 | 49年樓齡
\$4,800/月
刊登日期 : 2023-12-04
- 靚裝修多窗有街闊有家電近地鐵**
深水埗
實120呎 | 唐樓 | 49年樓齡
\$5,500/月
刊登日期 : 2023-12-04
- 八鄉翠苑 2房1廳**
元朗
實350呎 | 村屋 | 15年樓齡
\$7,000/月
刊登日期 : 2023-12-04
- 西頭圍 2房1廳 可貓**
元朗
實700呎 | 村屋 | 30年樓齡
\$9,800/月
刊登日期 : 2023-12-03

On the right side of the screen, there is a vertical sidebar titled "Region Filter" with a dropdown menu open for "元朗". Other options listed in the sidebar include "全香港", "深水埗", "土瓜灣", and "九龍城". The bottom of the screen features a navigation bar with icons for "首頁" (Home), "帳戶" (Account), and "聯絡我們" (Contact Us).

Open Google Maps and display the location of the rental property.

Rental property listings

Property Details

- Image Carousel
 - A view with a set of swipeable images, uploaded by the property owner.
- Description
 - Provide comprehensive property information, such as title, monthly rent and layout.
- Features
 - List the included amenities in the rent, such as furniture, electrical appliances, and facilities.
- Location
 - Place a marker on the map to provide the geographical location information of the rental property.
- Contact
 - Provide phone, WhatsApp, and Telegram contact methods so interested users can reach out for further inquiries or arrange property viewings.

2房1廳 \$7,000/月

八鄉翠苑 2房1廳

\$7,000/月 2房1廳

實用面積 : 350呎 樓層 : 地下

用途 : 村屋 位置 : 元朗

按金 : 兩個月租金 屋齡 : 15年

租金 : 包含差餉,地 刊登時間 : 2023-12
租/地稅,管理 -04
費

屋內設備

A/C 冷氣

熱水爐

地圖

打開 Google Map

WAI TSUEN 林村郊野公園

KONG A LENG 粉錦公路

錦田

嘉道理農場暨植物園

石頭圍 SHEK TAU WAI

電話查詢 WhatsApp 查詢 Telegram 查詢

電話查詢 WhatsApp 查詢 Telegram 查詢

Redirect to phone, WhatsApp, or Telegram, providing a phone number or chat window.

Register / Login

註冊

名稱
Vsitor1

Email
Visitor1@gmail.com

密碼
.....

再次輸入密碼
.....

保持登入

註冊

已有帳戶？ 立即 **登入**

首頁 帳戶 聯絡我們

登入

Email
Visitor1@gmail.com

密碼
.....

保持登入

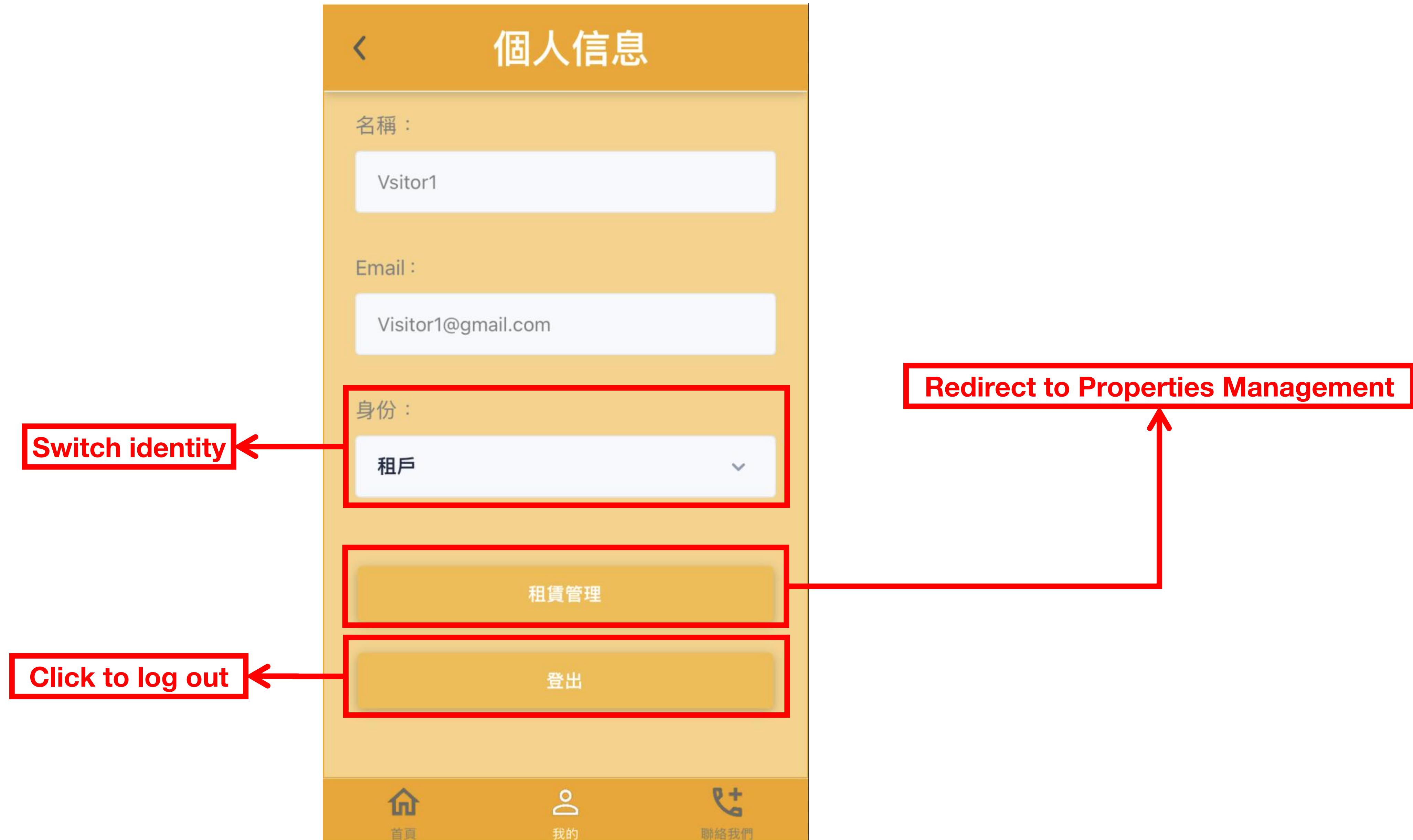
登入

還沒註冊帳戶？ 立即 **免費註冊**

首頁 帳戶 聯絡我們



Account management



Upload photos by photographing

Upload photos from image media

Properties Management for Landlord

租賃管理

目前沒有已刊登租盤廣告。
租盤廣告將在刊登後自動生成。

New a rental property

刊登租盤廣告

上傳圖片數量上限 5 張

拍照 圖片

類型(必填)
屋苑

附近港鐵站(必填)
觀塘

詳細地址
觀塘巧明街 117 號

緯度(必填) 22.3115037 經度(必填) 114.2247862

房數(必填) 廳數(必填)

房數(必填) 2 房 廳數(必填) 1 廳 實用面積(整數)(ft²)(必填) 180 出租樓層(必填) 中層 樓齡(年) 20 租金(整數)(元/月)(必填) 2800 租金包括 水費,管理費,電費 按金 二個月租金 廣告標題(必填) 測試刊登租盤 設施(必填) 熱水爐,電視,洗衣機,冷氣 死約期限(年)(必填) 1 生約期限(年)(必填) 3 送出

Properties Management for Landlord - Console

The screenshot displays the RentHub Properties Management Console interface. On the left, a sidebar titled '租賃管理' (Rental Management) includes tabs for '控制台' (Control Panel), '交易記錄' (Transaction Record), and '合約' (Contract). A large image of a garden with pink flowers serves as the background for the sidebar. Below the sidebar, a card for a newly added rental property is shown: '測試刊登租盤' (Test Listing Rental), 1房 | 實180呎 | 屋苑 | \$2,800/月. On the right, a main content area shows a list of rental properties:

- 測試刊登租盤**
觀塘
實180呎 | 屋苑 | 20年樓齡
\$2,800/月
刊登日期：2024-03-18
- 靚裝修多窗有街闊有
傢電近地鐵
深水埗
實120呎 | 唐樓 | 49年樓齡
\$5,500/月
刊登日期：2023-12-04
- 八鄉翠苑 2房1廳
元朗
實350呎 | 村屋 | 15年樓齡
\$7,000/月
刊登日期：2023-12-04

On the far right, a detailed view of the first listed property is shown:

測試刊登租盤 | 租盤編號：000106
\$2,800/月 2房1廳
實用面積：180呎 | 樓層：中層
用途：屋苑 | 位置：觀塘
按金：二個月租金 | 屋齡：20年
租金：包含水費, 管理費, 電費 | 刊登時間：2024-03-18

At the bottom, there are buttons for '上架' (List), '更新' (Update), and a plus sign to add new properties. The footer features links for '首頁' (Home), '我的' (My Profile), and '聯絡我們' (Contact Us), along with '電話查詢' (Phone Inquiry), 'WhatsApp查詢' (WhatsApp Inquiry), and 'Telegram查詢' (Telegram Inquiry).

Newly added rental property

Control listing On/Off for the rental property

Update information of the rental property

The listing of newly added rental property

Lease Confirmed

Upload contract

- Once a tenant is interested in renting a property, we will assist and facilitate the contract signing between the landlord and the tenant.
- Our staff would upload the information of both the landlord and the tenant, along with the signed contract, to Renthub for convenient reference by both parties.
- After uploading, both the landlord and the tenant can view the information on the Properties Management.

行政

租盤編號 : 000106

contract.pdf
合約上載 (.pdf)

租戶名稱 : Visitor2

業主名稱 : Vsitor1

合約日期 : 18/03/2024

起租日 : 01/04/2024

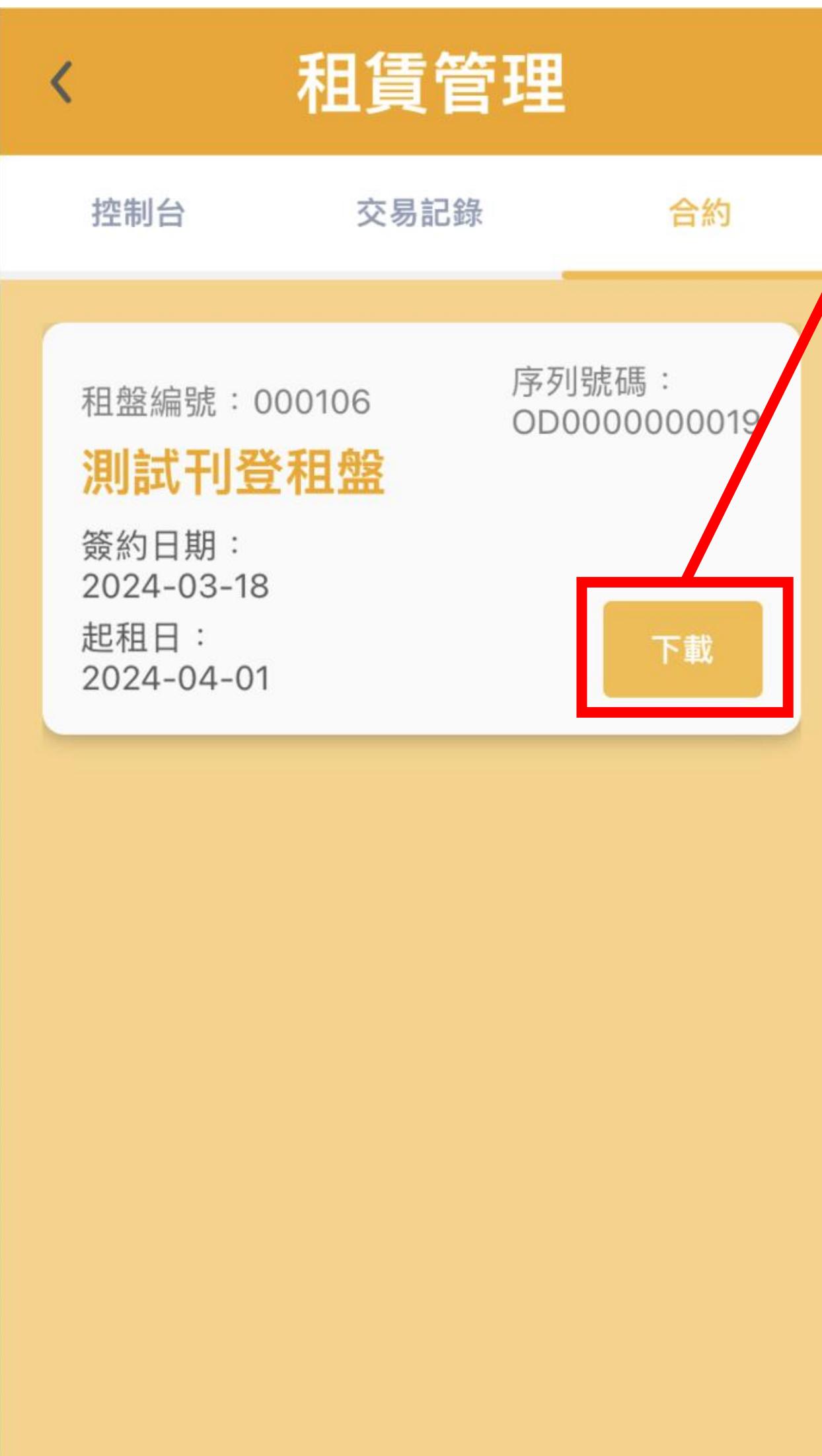
每月起租日 : 01

上載

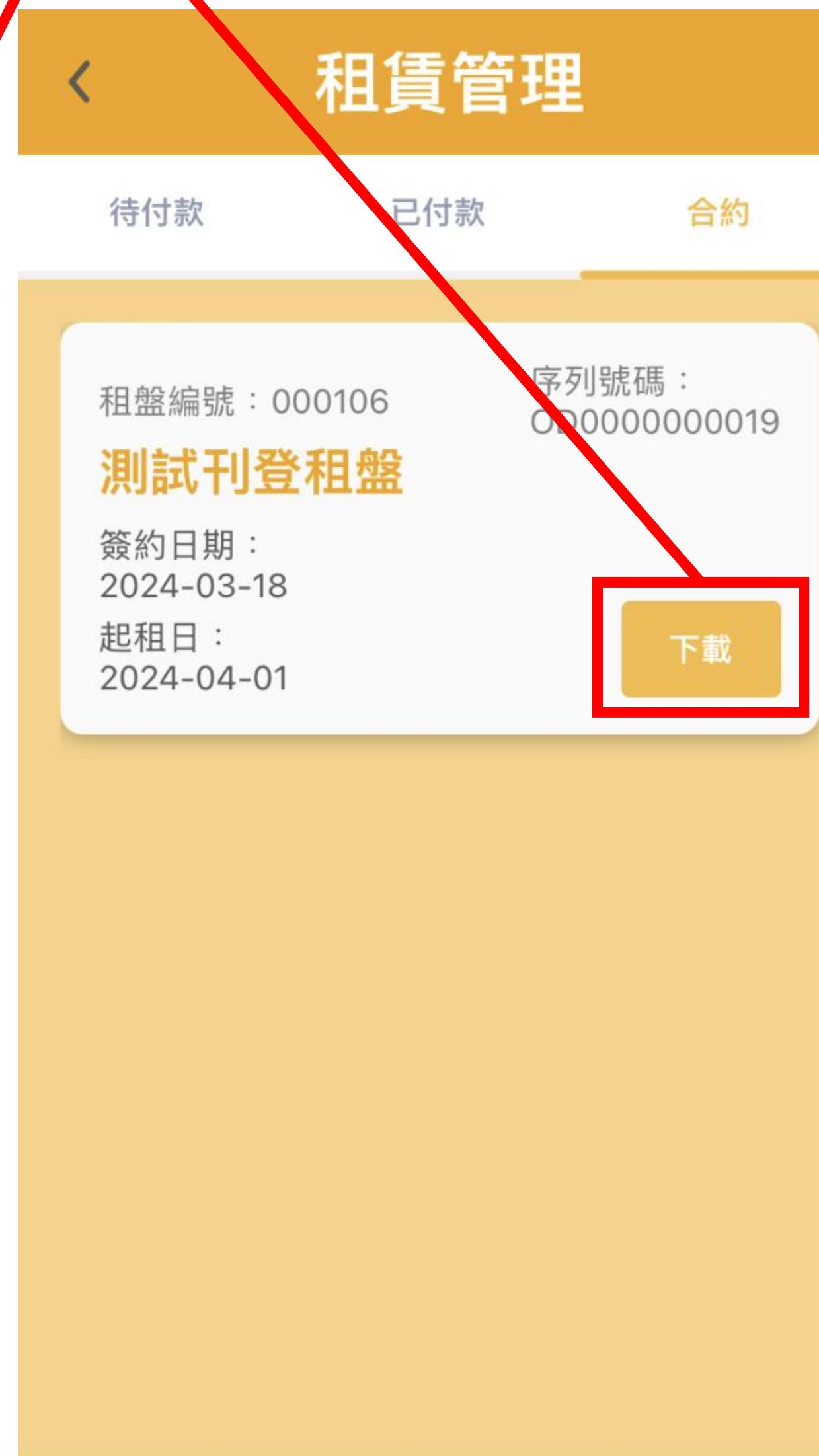
Upload the Signed Contract.

Click to download the signed contract

Contract Review



Landlord's view



Tenant's view



The signed contract

Rent Payment

The image shows a rent payment process across three main stages:

- Tenant View:** On the left, a yellow header bar says "租賃管理". Below it, tabs for "待付款" (Pending), "已付款" (Paid), and "合約" (Contract) are shown. A card for "八鄉翠苑 2房1廳" (8鄉翠苑 2 bedrooms 1 bathroom) with "租盤編號: 000003" and "帳單號碼: 167050" is displayed. The amount "HK\$5,500.00" is shown, with "数量: 5,500, HK\$1.00 每個". A red box highlights the "付款" (Pay) button, which is also highlighted with a red arrow from the text below.
- Payment Page:** In the center, a browser window shows a payment page at checkout.stripe.com. The amount is "HK\$5,500.00" and the quantity is "5,500, HK\$1.00 每個". It features a "G Pay" button and a "Continue with Link" option. Form fields for "電郵地址" (Email Address) containing "test@gmail.com" and "持卡人姓名" (Cardholder Name) containing "test" are shown. A "銀行卡資訊" (Bank Card Information) section has placeholder numbers. A blue "支付" (Pay) button with a lock icon is at the bottom.
- Success and Landlord View:** On the right, another yellow header bar says "租賃管理". A "Payment Successful" message with a checkmark is shown. Below it, a payment record is displayed: "租盤編號: 000003" and "帳單號碼: 167050", followed by "八鄉翠苑 2房1廳", "付款時間: 2024-03-18 22:03:25", "起租日: 2023-08-01", and the amount "\$5,500". A red box highlights this record, with a red arrow pointing from the text below.

• Provide online payment service for tenants

• Click to open the payment page in the browser

Both the landlord and the tenant could review the payment records

PotPoint

#3

Introduction

An online data analysis platform

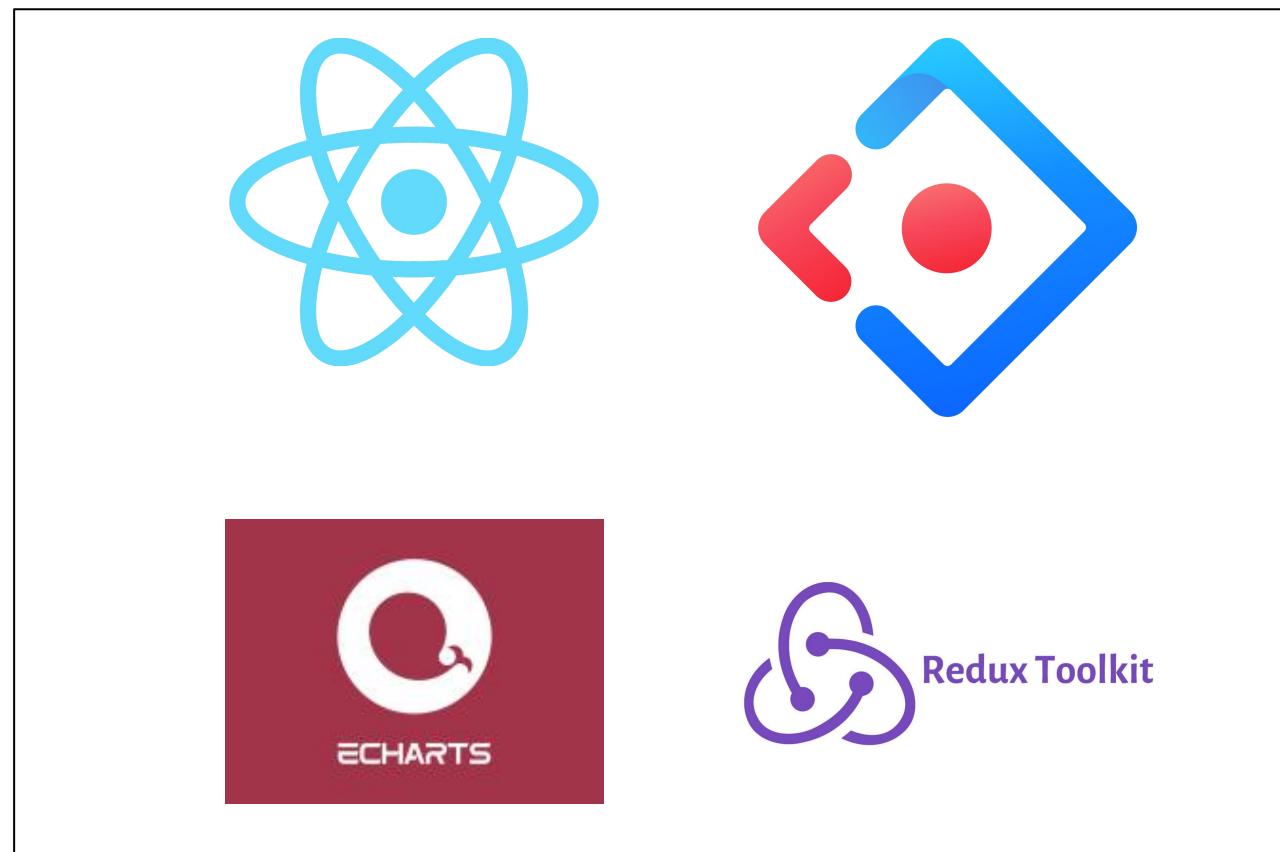
- PotPoint is an online platform dedicated to assisting restaurants with data analysis.
- By analyzing operational data and utilizing AI technology, PotPoint effectively transforms restaurant performance into easily readable and clear business reports.
- This helps restaurant managers promptly understand the operational status of their establishment and make informed business decisions.



Tech stack

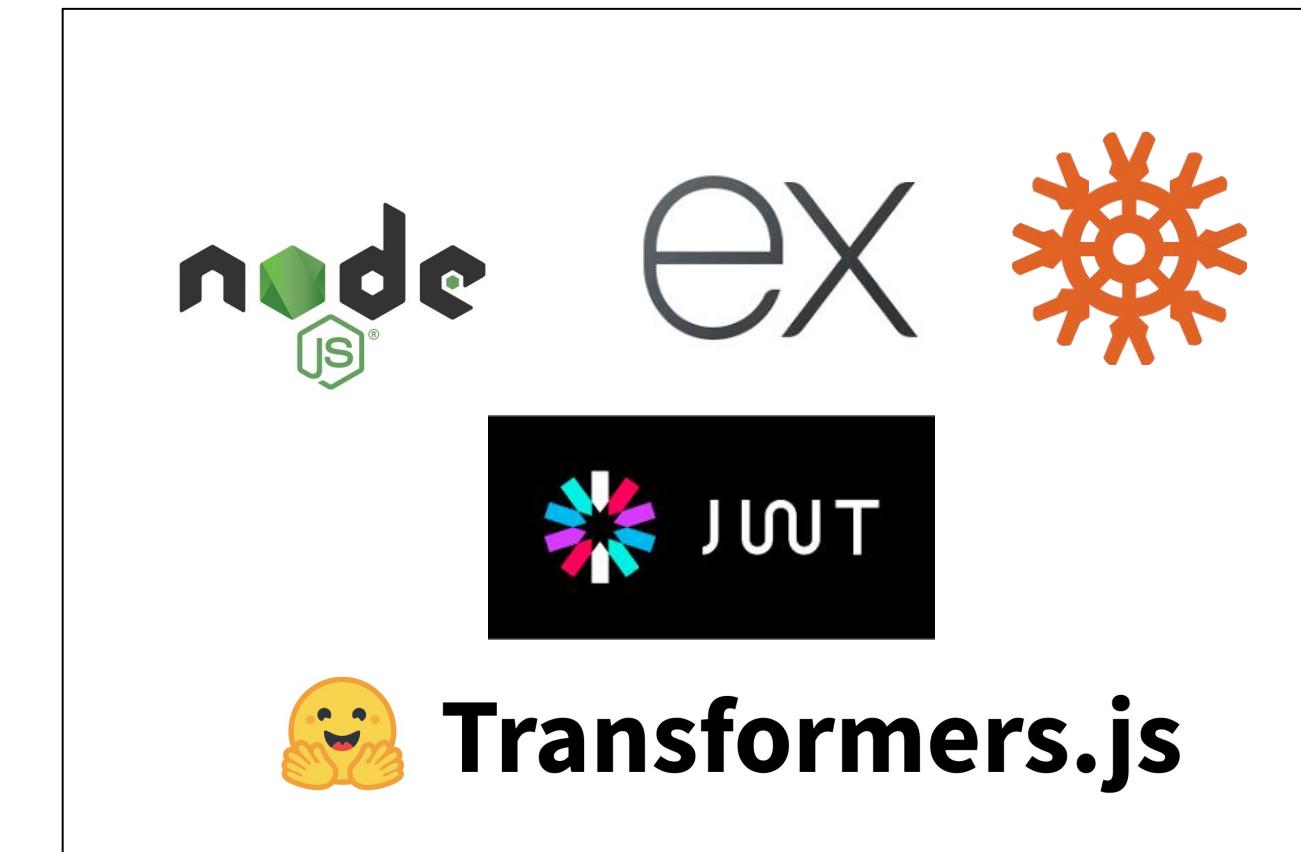
Front end

React, Ant Design, ECharts,
Redux Toolkit



Back end

Node.js, Express.js, PostgreSQL,
Knex, Transformers.js, JWT



Ajax

Axios

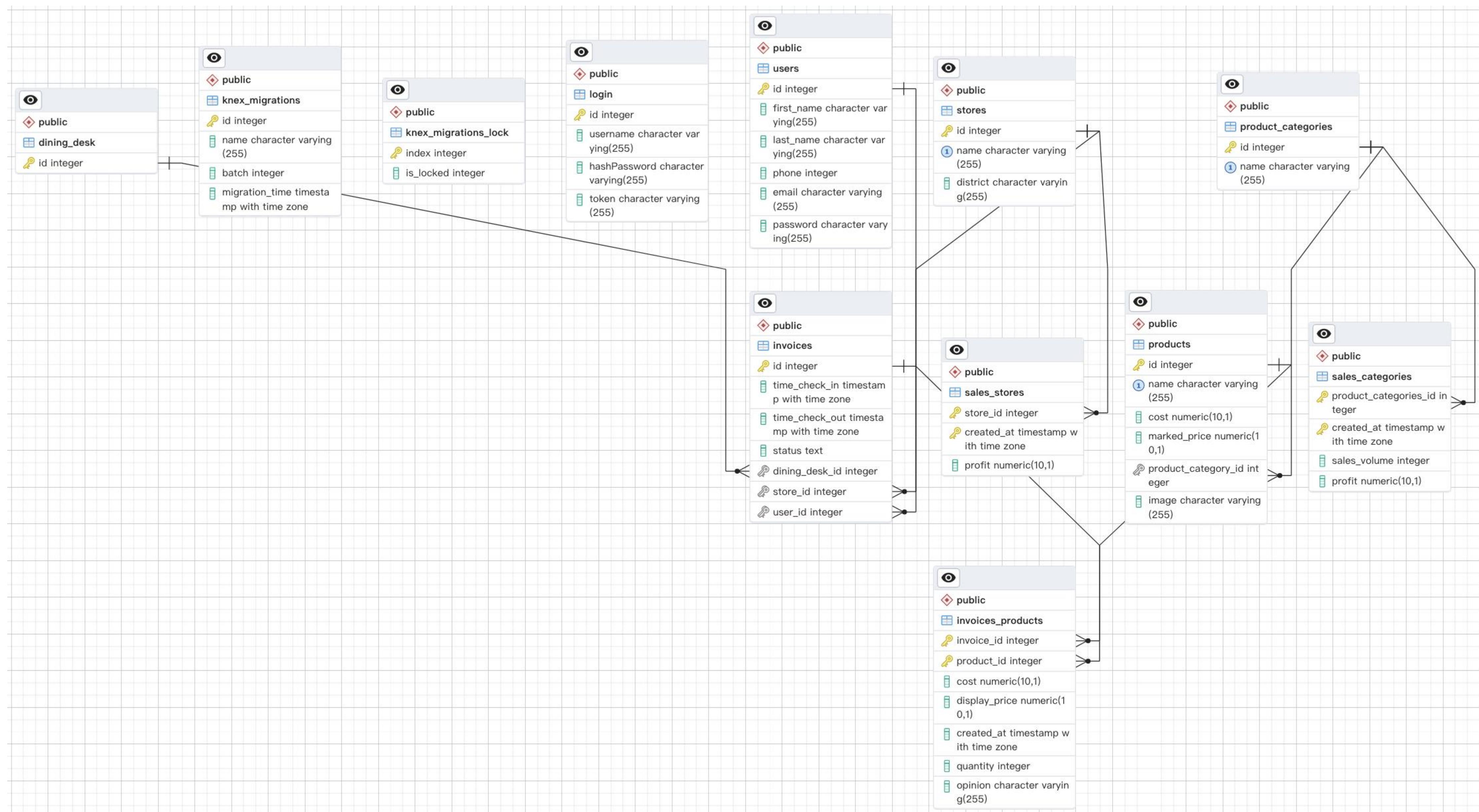


DevOps

AWS (EC2, IAM), GitHub Actions



Entity Relationship Diagram (ERD)



Login

JSON Web Token (JWT)

- Apply JWT for login.
- JWT is a secure and reliable method for transmitting information between web applications, widely used for purposes such as identity verification and authorization.
- After the initial login, the server would return a token, that would be stored in the browser's local storage for identification and automatic login in subsequent sessions.

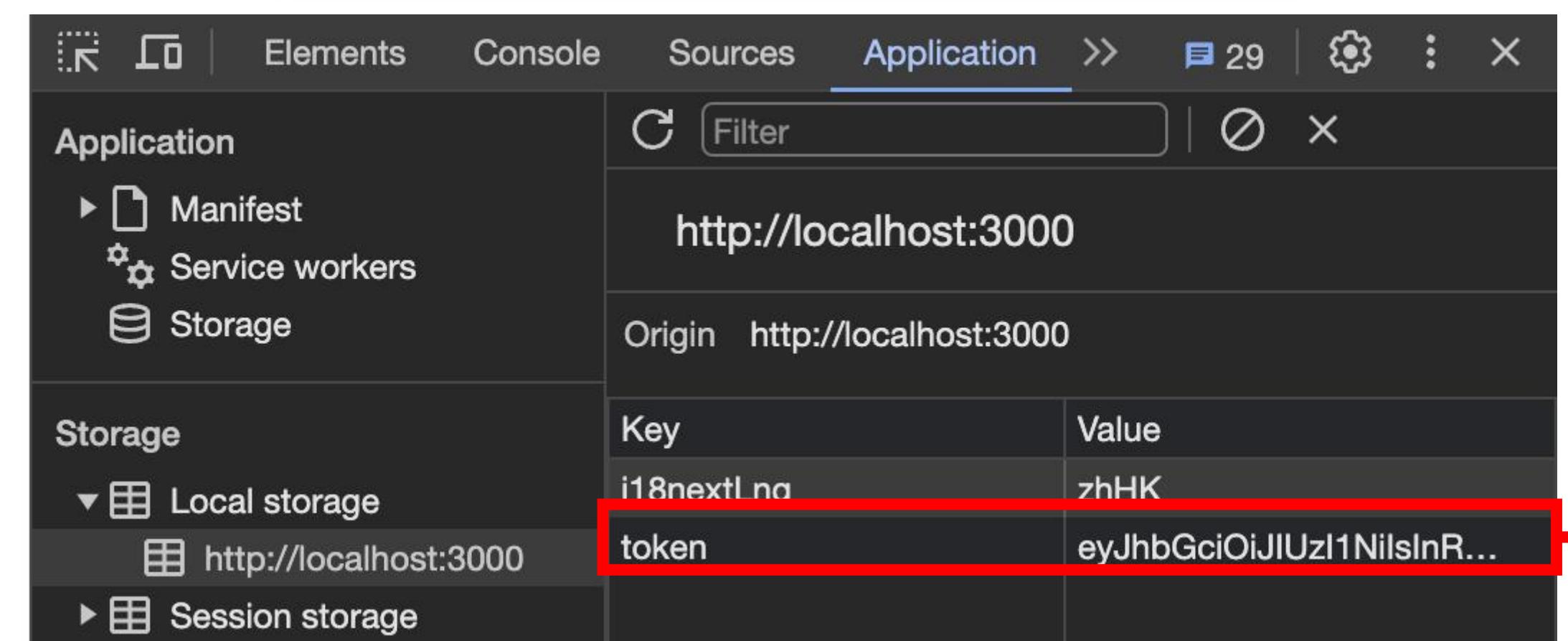


A screenshot of a web browser showing a login form for "POT POINT". The logo features a stylized orange pot with steam rising from it, surrounded by concentric circles. The form fields include:

- * 用戶名: pot_point
- * 密碼: (with a password mask icon)
- Remember me
-

The entire form area is highlighted with a red border, and a red arrow points from this border to a callout box.

The token for
identification and
automatic login



A screenshot of the Chrome DevTools Application tab, showing the Local storage for the origin `http://localhost:3000`. The table displays the following data:

| Key | Value |
|-------------|----------------------------|
| i18next.lng | zhHK |
| token | eyJhbGciOiJIUzI1NilsInR... |

Dashboard - transaction records

Calculate the total revenue and profitability for different time periods, including: yearly, monthly, and daily

The screenshot shows a transaction record dashboard with the following features annotated:

- Customize time interval**: A red box highlights the time selection dropdown at the top left, which includes options like "近1年" (Last Year) and "請選擇月份" (Select Month).
- Click to navigate to transaction details**: A red box highlights a specific transaction row in the table below.
- Record detailed information for each transaction**: A red box highlights the transaction table itself, showing columns for Order ID, Start Time, End Time, Status, Branch, Table Number, and Income.
- Click to navigate to other tabs**: A red box highlights the tab navigation area at the top right, which includes "訂單記錄" (Order Record), "分店收入" (Branch Income), "品類別收入" (Category Income), and "產品收入" (Product Income).
- Calculate the total revenue and profitability for different time periods, including: yearly, monthly, and daily**: A red box highlights the summary statistics at the top right, including "近1年收入" (\$22,254,856), "近1年收益率" (26.36%), "近1月收入" (\$2,191,972), "近1月收益率" (-14.78%), "今日收入" (\$9,220), and "今日收益率" (\$-0.33).

| 訂單ID | 開始時間 | 結束時間 | 狀態 | 分店 | 桌號 | 收入 |
|------|---------------------|---------------------|--------|---------------|----|-----------|
| 957 | 2023-01-01 00:18:19 | 2023-01-01 01:51:51 | closed | Tsuen Wan | 4 | \$3,489 |
| 244 | 2023-01-01 03:23:03 | 2023-01-01 05:53:07 | closed | Yuen Long | 26 | \$3,300.2 |
| 11 | 2023-01-01 06:05:56 | 2023-01-01 12:58:24 | closed | Yuen Long | 26 | \$4,703 |
| 871 | 2023-01-01 13:12:16 | 2023-01-01 14:17:47 | closed | Tseung Kwan O | 17 | \$4,074 |
| 1476 | 2023-01-01 16:06:29 | 2023-01-01 19:03:20 | closed | Sheung Wan | 9 | \$4,317.6 |
| 1749 | 2023-01-01 19:11:03 | 2023-01-01 21:13:27 | closed | Tuen Mun | 24 | \$2,232 |
| 764 | 2023-01-01 21:32:20 | 2023-01-01 23:13:37 | closed | Tsuen Wan | 4 | \$884.5 |
| 178 | 2023-01-02 00:06:16 | 2023-01-02 05:14:42 | closed | Kowloon Bay | 13 | \$3,857 |
| 1199 | 2023-01-02 05:45:50 | 2023-01-02 10:04:38 | closed | Yuen Long | 28 | \$1,746.9 |

Dashboard - transaction records (RWD)

財務報告 繁體中文 登出

| | |
|--------------|--------|
| 近1年收入 | 近1年收益率 |
| \$11,122,818 | 26.41% |
| 近1月收入 | 近1月收益率 |
| \$10,118,900 | 23.58% |
| 今日收入 | 今日收益率 |
| \$8,389,274 | \$0.18 |

訂單記錄 分店收入 類別收入

| 訂單ID | 開始時間 | 結束時間 |
|------|---------------------|---------------------|
| 957 | 2024-01-01 00:18:19 | 2024-01-01 01:51:51 |
| 244 | 2024-01-01 03:23:03 | 2024-01-01 05:53:07 |
| 11 | 2024-01-01 06:05:56 | 2024-01-01 12:58:24 |
| 871 | 2024-01-01 13:12:16 | 2024-01-01 14:17:47 |
| 1476 | 2024-01-01 16:06:29 | 2024-01-01 19:03:20 |
| 1749 | 2024-01-01 19:11:03 | 2024-01-01 21:13:27 |
| 764 | 2024-01-01 21:32:20 | 2024-01-01 23:13:37 |
| 178 | 2024-01-02 00:06:16 | 2024-01-02 05:45:50 |
| 1199 | 2024-01-02 05:45:50 | 2024-01-02 05:45:50 |

訂單記錄 分店收入 類別收入

請選擇月份

| 訂單ID | 開始時間 | 結束時間 |
|------|---------------------|---------------------|
| 957 | 2024-01-01 00:18:19 | 2024-01-01 01:51:51 |
| 244 | 2024-01-01 03:23:03 | 2024-01-01 05:53:07 |
| 11 | 2024-01-01 06:05:56 | 2024-01-01 12:58:24 |
| 871 | 2024-01-01 13:12:16 | 2024-01-01 14:17:47 |
| 1476 | 2024-01-01 16:06:29 | 2024-01-01 19:03:20 |
| 1749 | 2024-01-01 19:11:03 | 2024-01-01 21:13:27 |
| 764 | 2024-01-01 21:32:20 | 2024-01-01 23:13:37 |
| 178 | 2024-01-02 00:06:16 | 2024-01-02 05:45:50 |
| 1199 | 2024-01-02 05:45:50 | 2024-01-02 05:45:50 |

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| | |
|--------------|--------|
| 近1年收入 | 近1年收益率 |
| \$11,122,818 | 26.41% |
| 近1月收入 | 近1月收益率 |
| \$10,118,900 | 23.58% |
| 今日收入 | 今日收益率 |
| \$8,389,274 | \$0.18 |

訂單記錄 分店收入 類別收入 產品收入

請選擇月份

| 訂單ID | 開始時間 | 結束時間 | 狀態 |
|------|---------------------|---------------------|--------|
| 957 | 2024-01-01 00:18:19 | 2024-01-01 01:51:51 | closed |
| 244 | 2024-01-01 03:23:03 | 2024-01-01 05:53:07 | closed |
| 11 | 2024-01-01 06:05:56 | 2024-01-01 12:58:24 | closed |
| 871 | 2024-01-01 13:12:16 | 2024-01-01 14:17:47 | closed |
| 1476 | 2024-01-01 16:06:29 | 2024-01-01 19:03:20 | closed |
| 1749 | 2024-01-01 19:11:03 | 2024-01-01 21:13:27 | closed |
| 764 | 2024-01-01 21:32:20 | 2024-01-01 23:13:37 | closed |

Mobile's view

Tablet's view

Transaction details



Click to show customer review of the product

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Items ordered

訂單明細

| 產品ID | 名稱 | 售價 | 數量 | 總售價 |
|------|----|-------|----|---------|
| + | 24 | \$20 | 3 | \$61 |
| + | 7 | \$108 | 4 | \$432 |
| + | 20 | \$128 | 10 | \$1,280 |
| + | 17 | \$24 | 10 | \$240 |
| + | 4 | \$192 | 6 | \$1,152 |
| - | 2 | \$135 | 1 | \$135 |

意見: 三角肉有啲硬而且乾燥。

Customer review

< 1 >

Transaction details (RWD)

| 訂單明細 | | | | | |
|--------------------|----|----------------------|-------|---------|---------|
| 產品ID | 名稱 | 售價 | 數量 | 總售價 | |
| - | 2 | Tri Tip | \$135 | 5 | \$675 |
| 意見: 三角肉缺乏調味料,味道平淡。 | | | | | |
| + | 21 | Sea bream slices | \$135 | 5 | \$675 |
| + | 24 | Water spinach | \$20 | 10 | \$204 |
| + | 15 | Glutinous rice cakes | \$45 | 3 | \$135 |
| + | 1 | Short rib | \$180 | 10 | \$1,800 |
| 總收入 | | | | \$3,489 | |

Mobile's view



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| 訂單明細 | | | | | |
|------|------|----------------------|-------|----|---------|
| | 產品ID | 名稱 | 售價 | 數量 | 總售價 |
| + | 2 | Tri Tip | \$135 | 5 | \$675 |
| + | 21 | Sea bream slices | \$135 | 5 | \$675 |
| + | 24 | Water spinach | \$20 | 10 | \$204 |
| + | 15 | Glutinous rice cakes | \$45 | 3 | \$135 |
| + | 1 | Short rib | \$180 | 10 | \$1,800 |
| 總收入 | | | | | \$3,489 |

Tablet's view

Dashboard - branch revenue

訂單記錄

分店收入

類別收入

產品收入

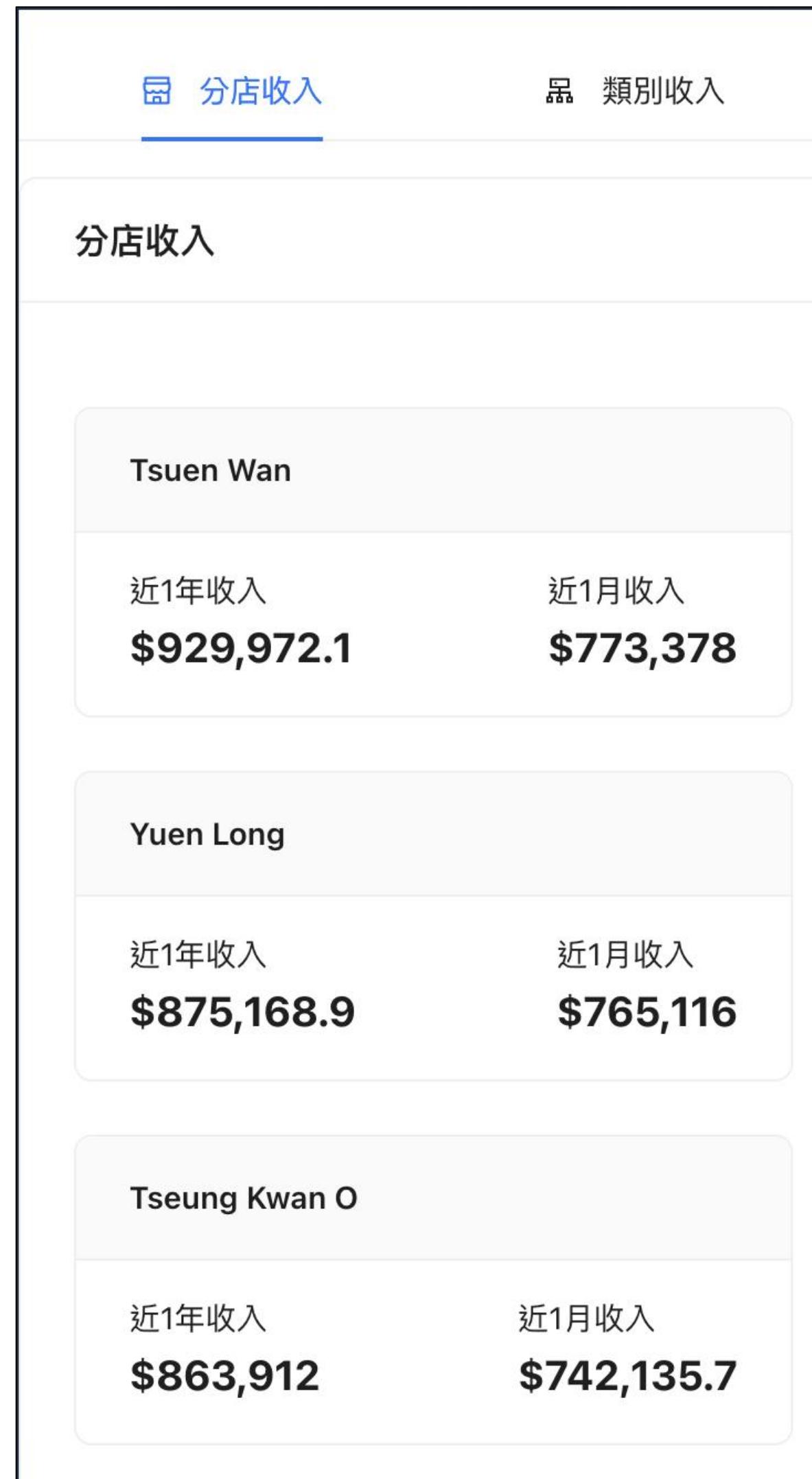
分店收入

| Branch | 近1年收入 | 近1月收入 |
|---------------|---------------|------------|
| Tsuen Wan | \$929,972.1 | \$34,896.6 |
| Yuen Long | \$875,168.9 | \$41,246.2 |
| Tseung Kwan O | \$863,912 | \$40,484.8 |
| Sheung Wan | \$1,013,610.7 | \$28,883.1 |
| Tuen Mun | \$985,278.3 | \$34,903.1 |
| Kowloon Bay | \$891,399.2 | \$28,750.7 |

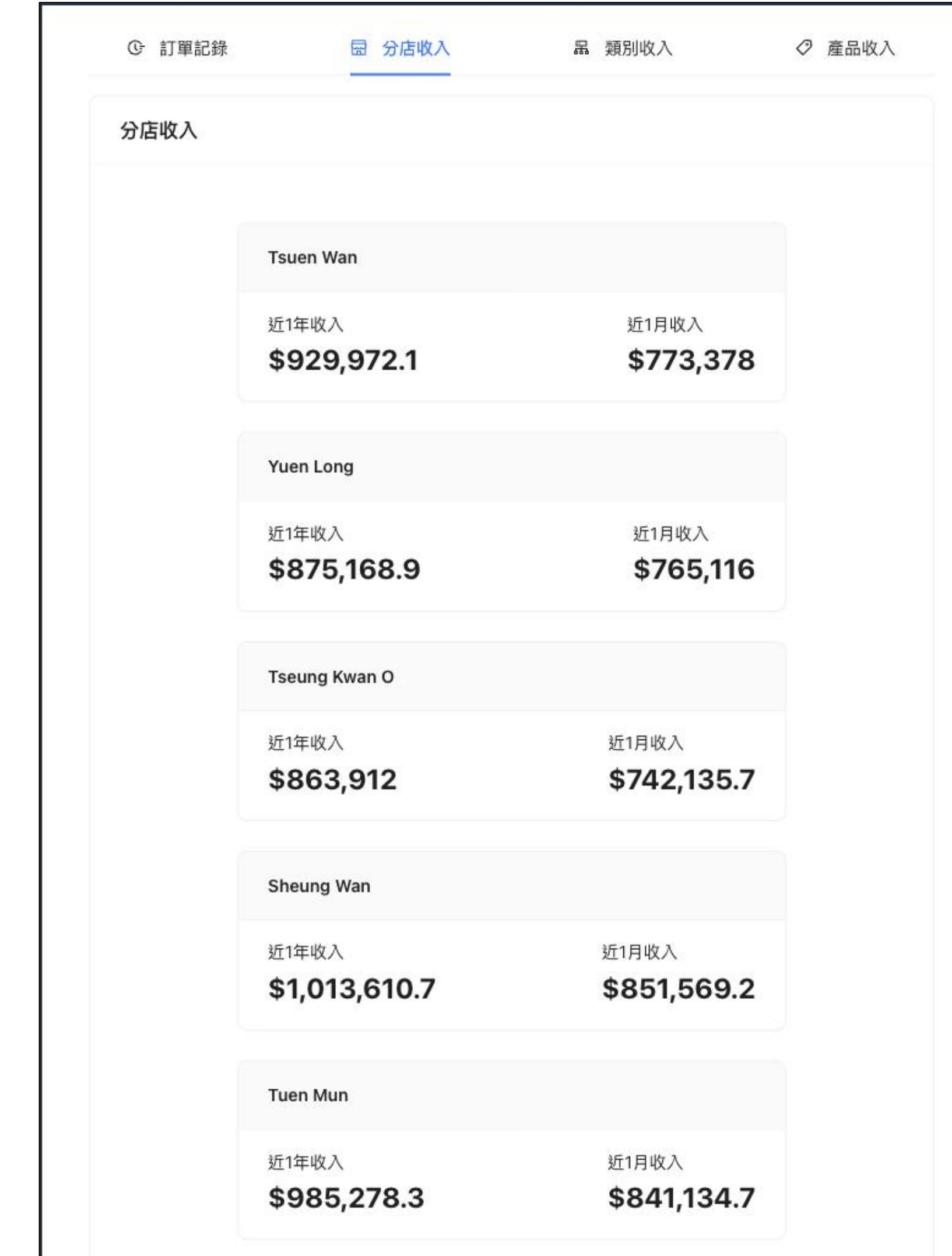
The revenue of each branch for the past year and the past month was recorded

Click to navigate to the business analysis of the branch

Dashboard - branch revenue (RWD)



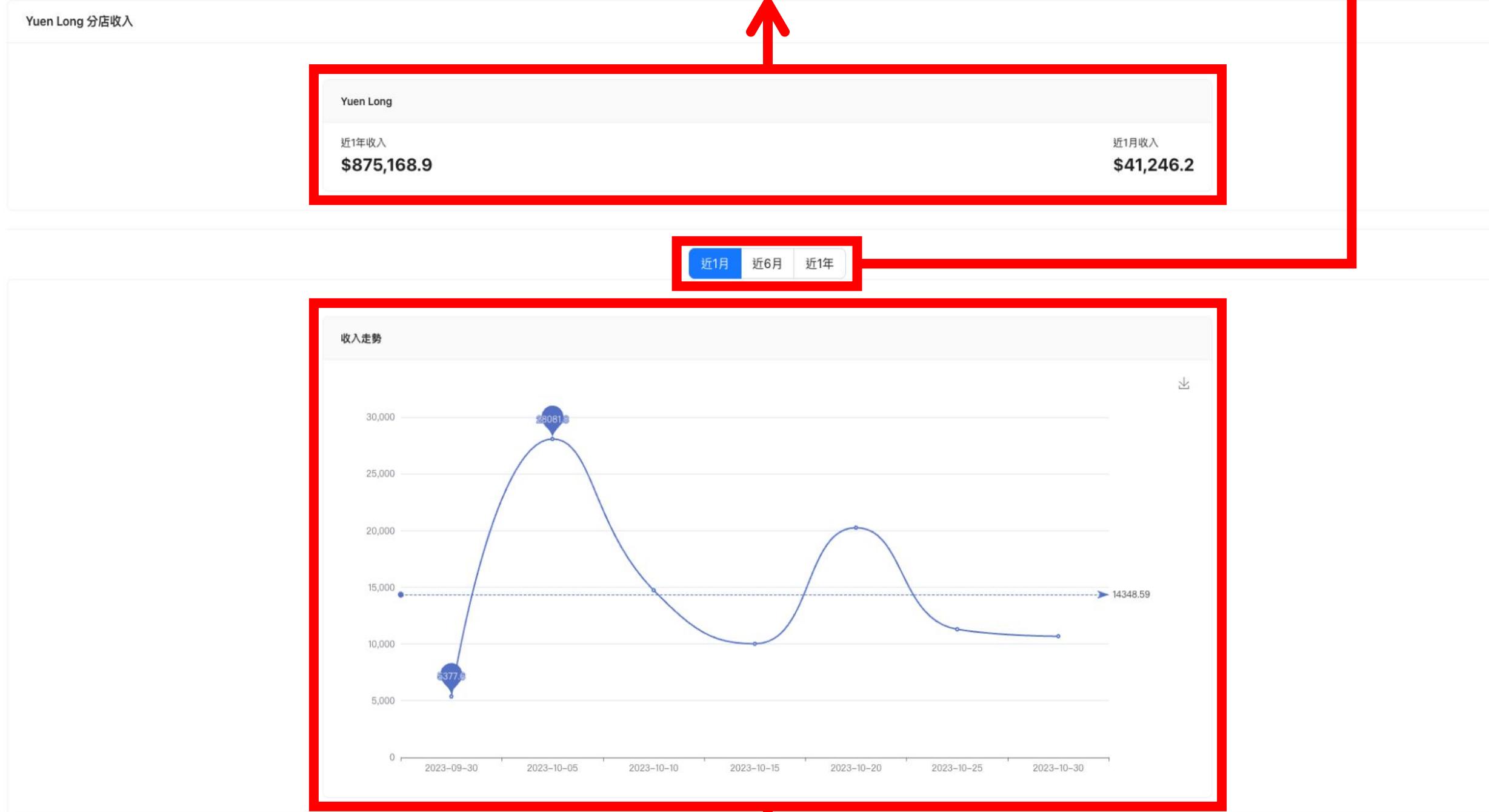
Mobile's view



Tablet's view

Business analysis of the branch

The revenue of the branch for the past year and the past month



Change the time intervals

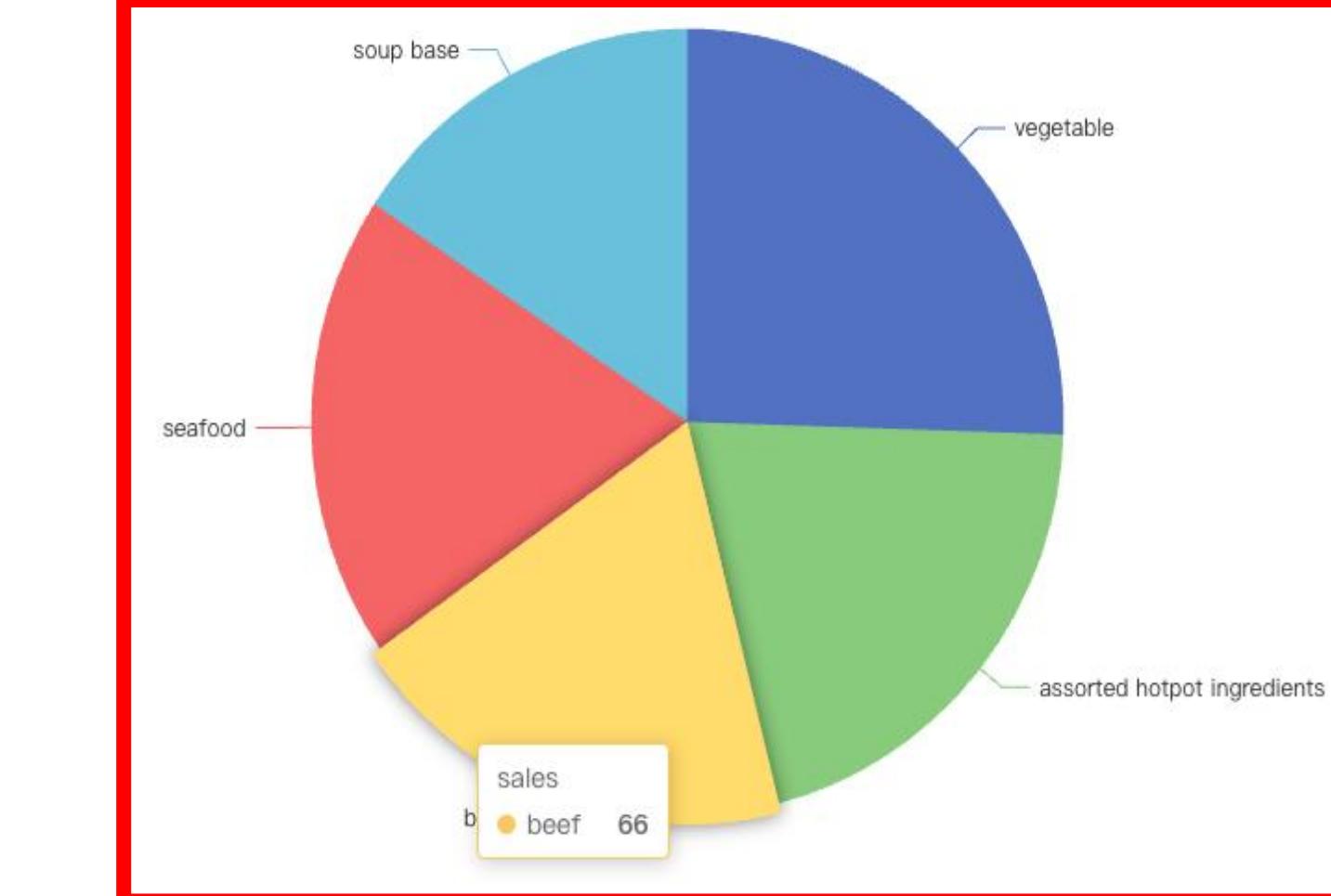
近1月 近6月 近1年

類別銷售

熱門類別 冷門類別

Switch to display popular or unpopular products

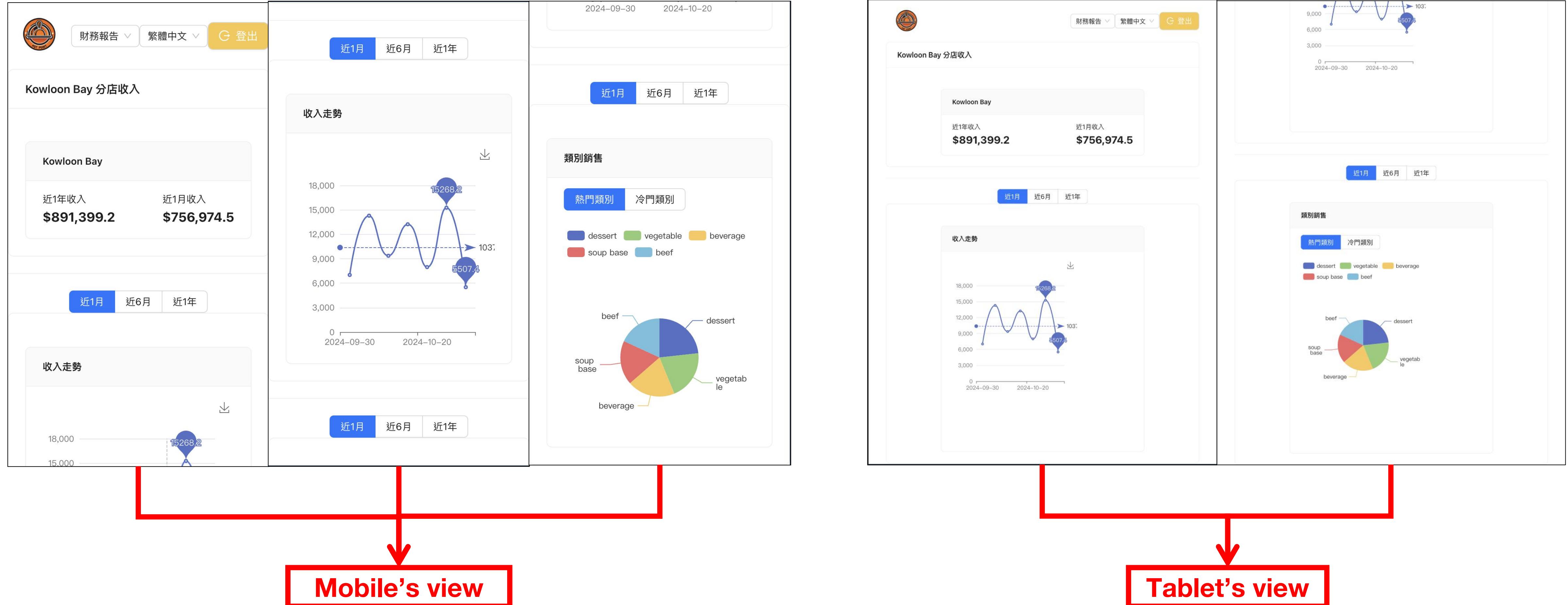
- vegetable
- assorted hotpot ingredients
- beef
- seafood
- soup base



Display the revenue changes for the specified period

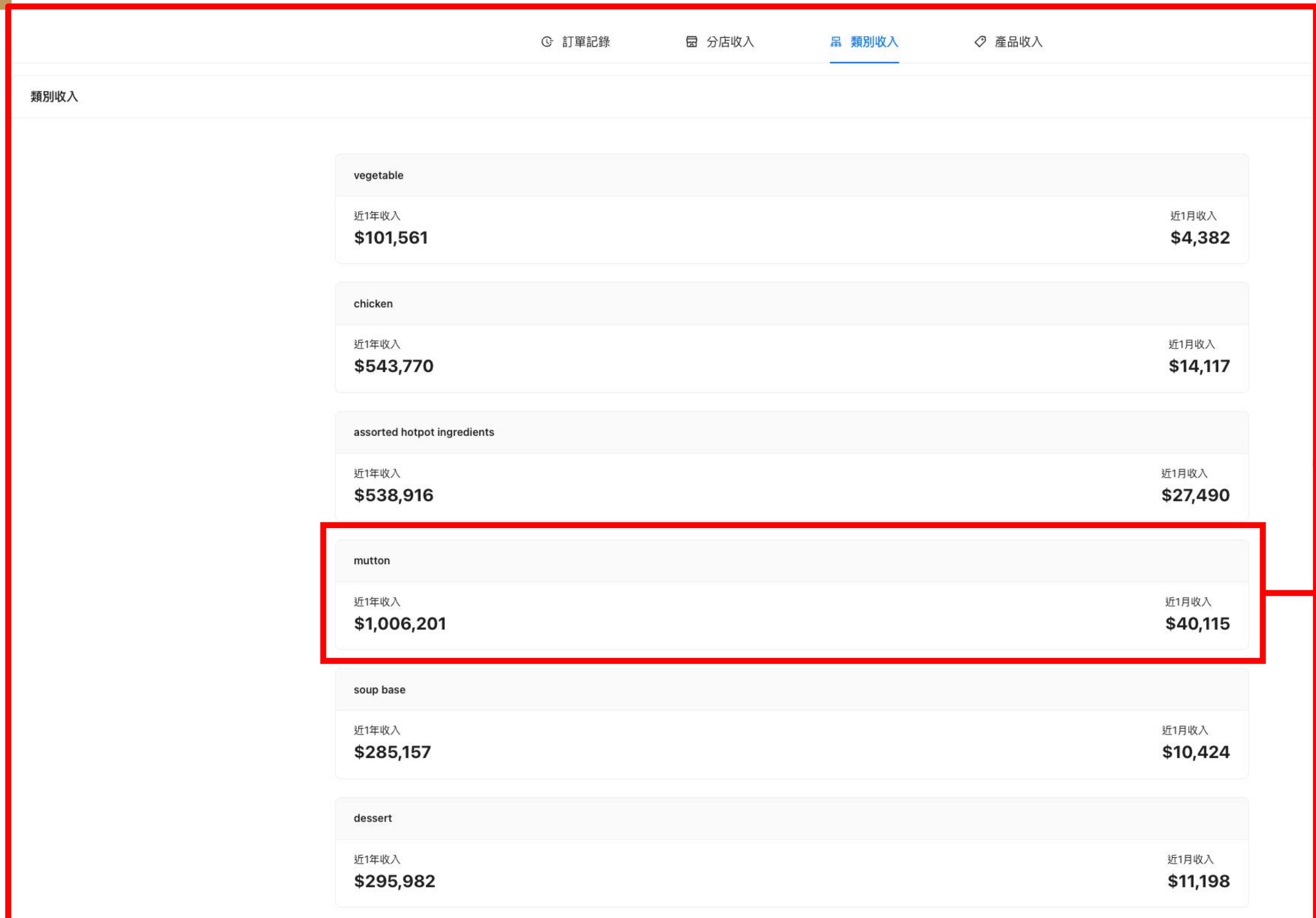
Display popular or unpopular products for the specified period

Business analysis of the branch (RWD)



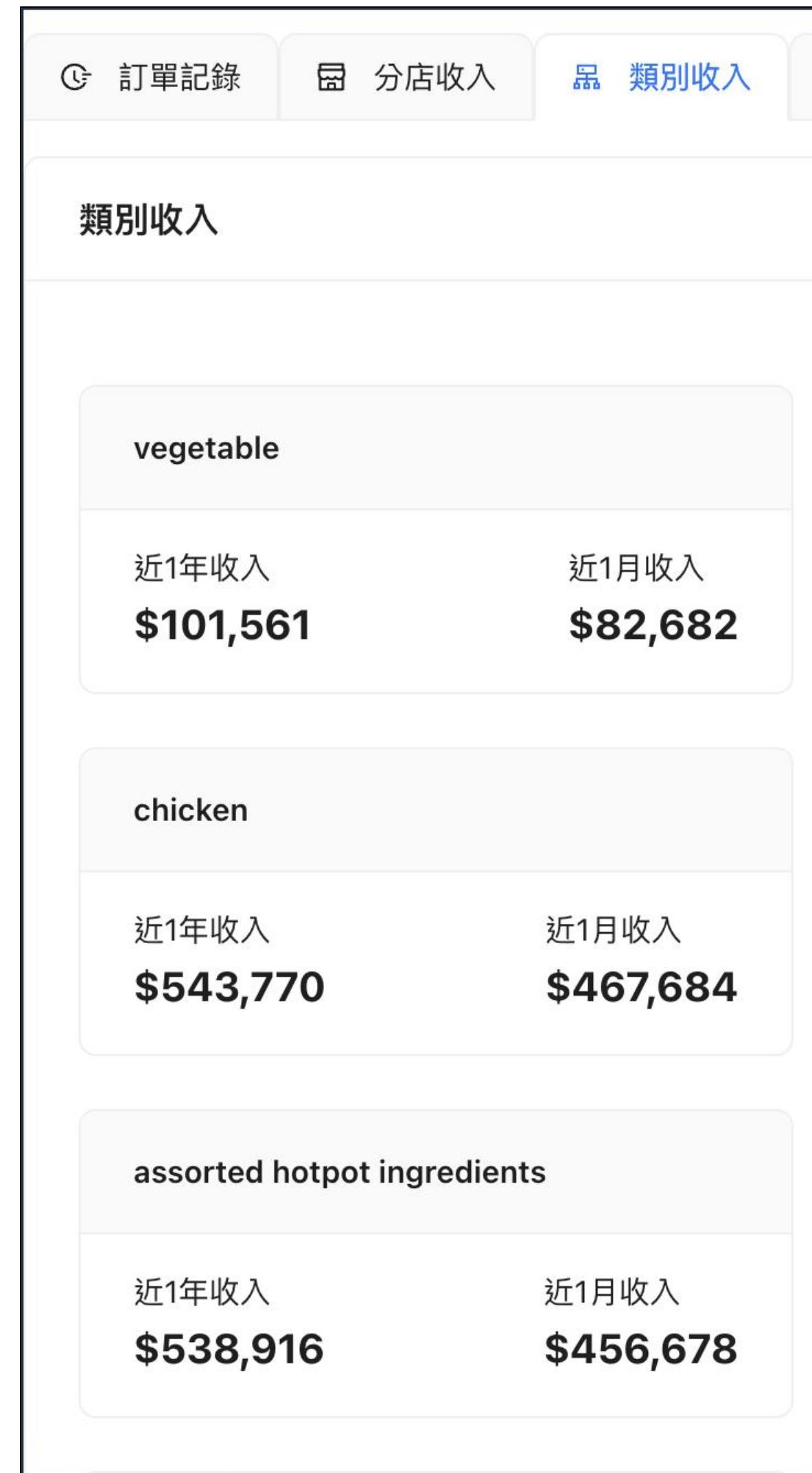
Dashboard – product category revenue

The revenue of each product category for the past year and the past month was recorded

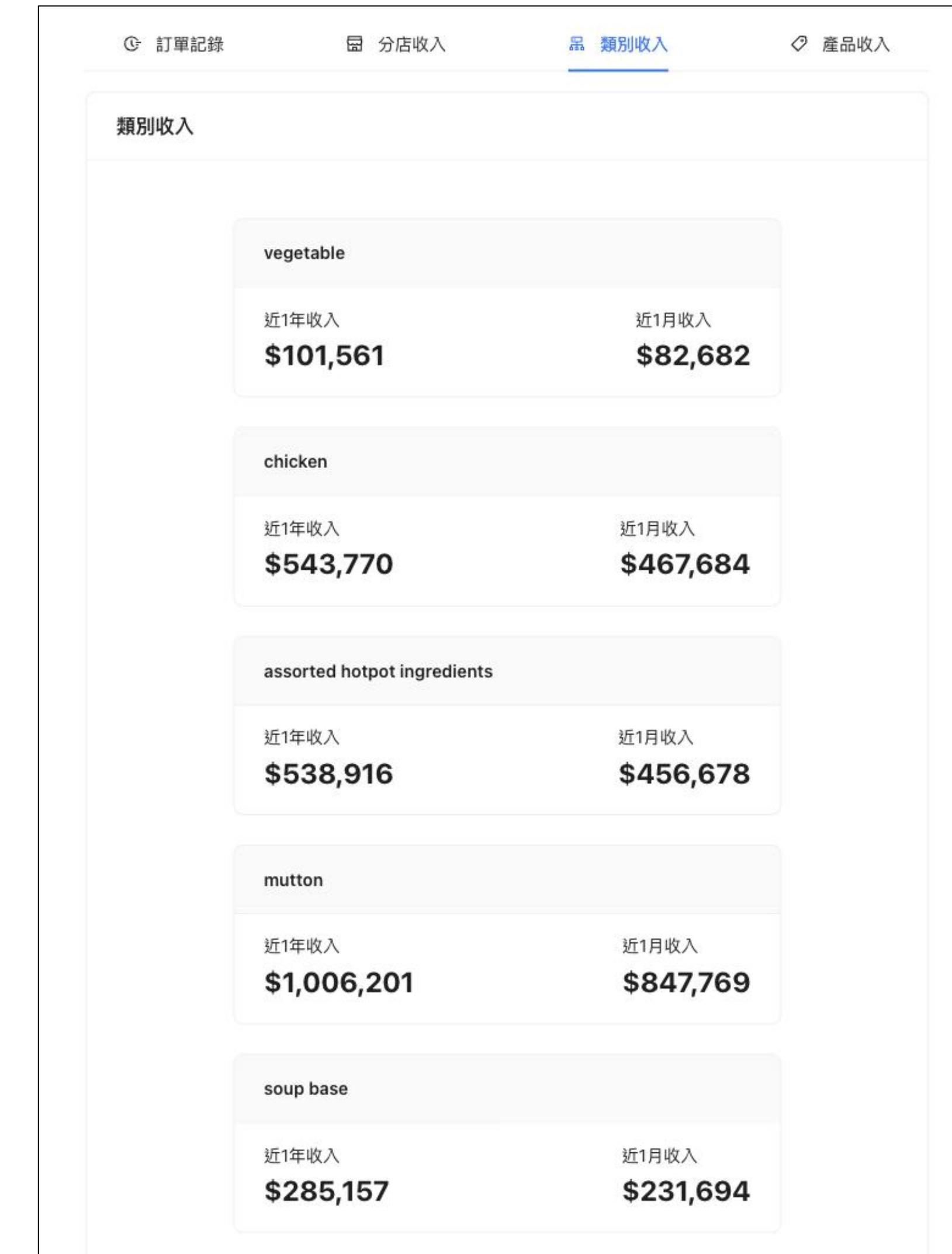


Click to navigate to the business analysis of the product category

Dashboard - product category revenue (RWD)



Mobile's view



Tablet's view

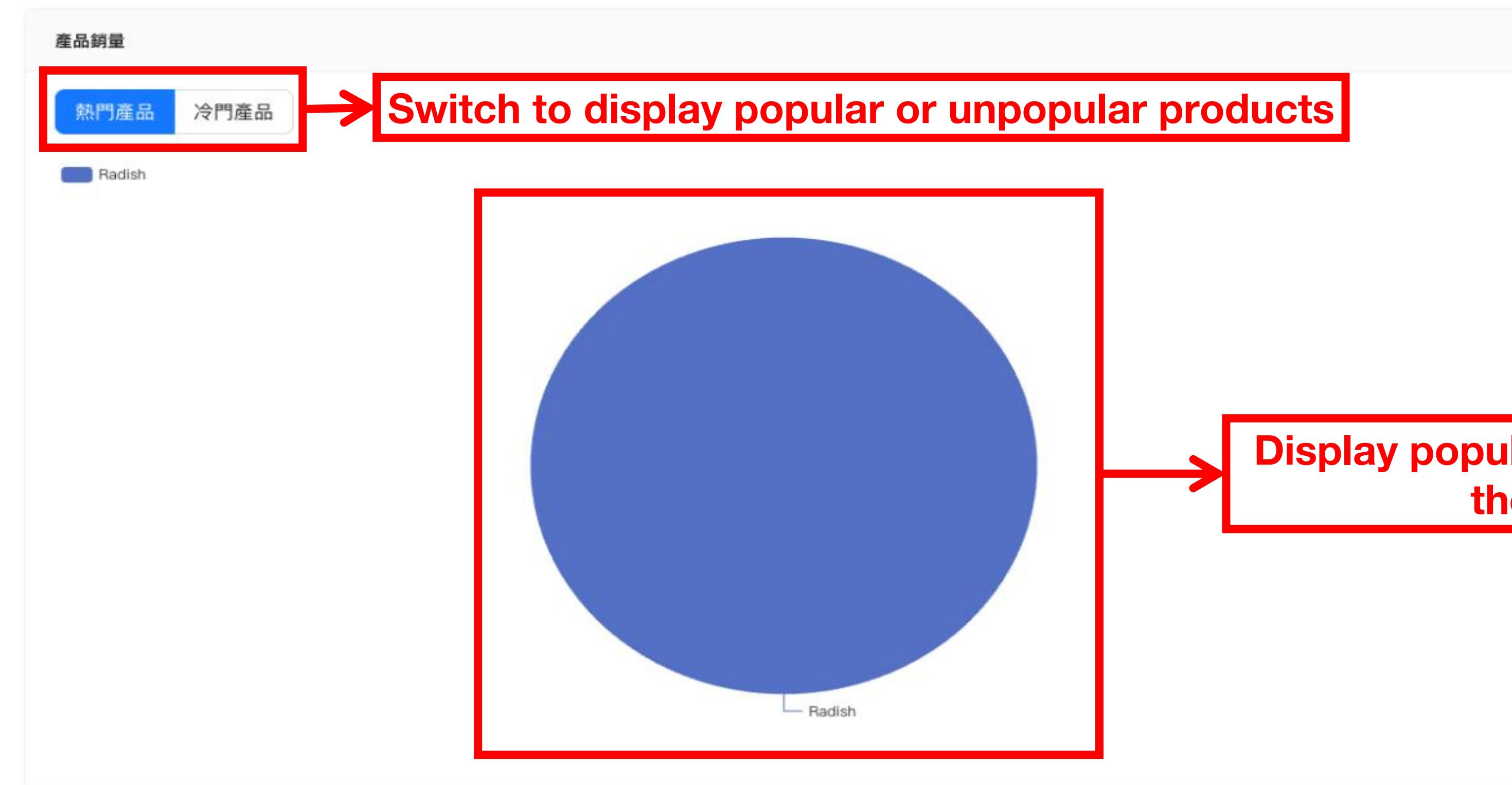
Business analysis of the product category revenue

vegetable 類別收入



The revenue of the product category for the past year and the past month

近1月 近6月 近1年 → Change the time intervals



Business analysis of the product category revenue

顧客意見

顧客意見

Satisfied (69.2%)

The radish taste is warm and clear, and it adds up to this dish.

Neutral (5.8%)

the radish is light.

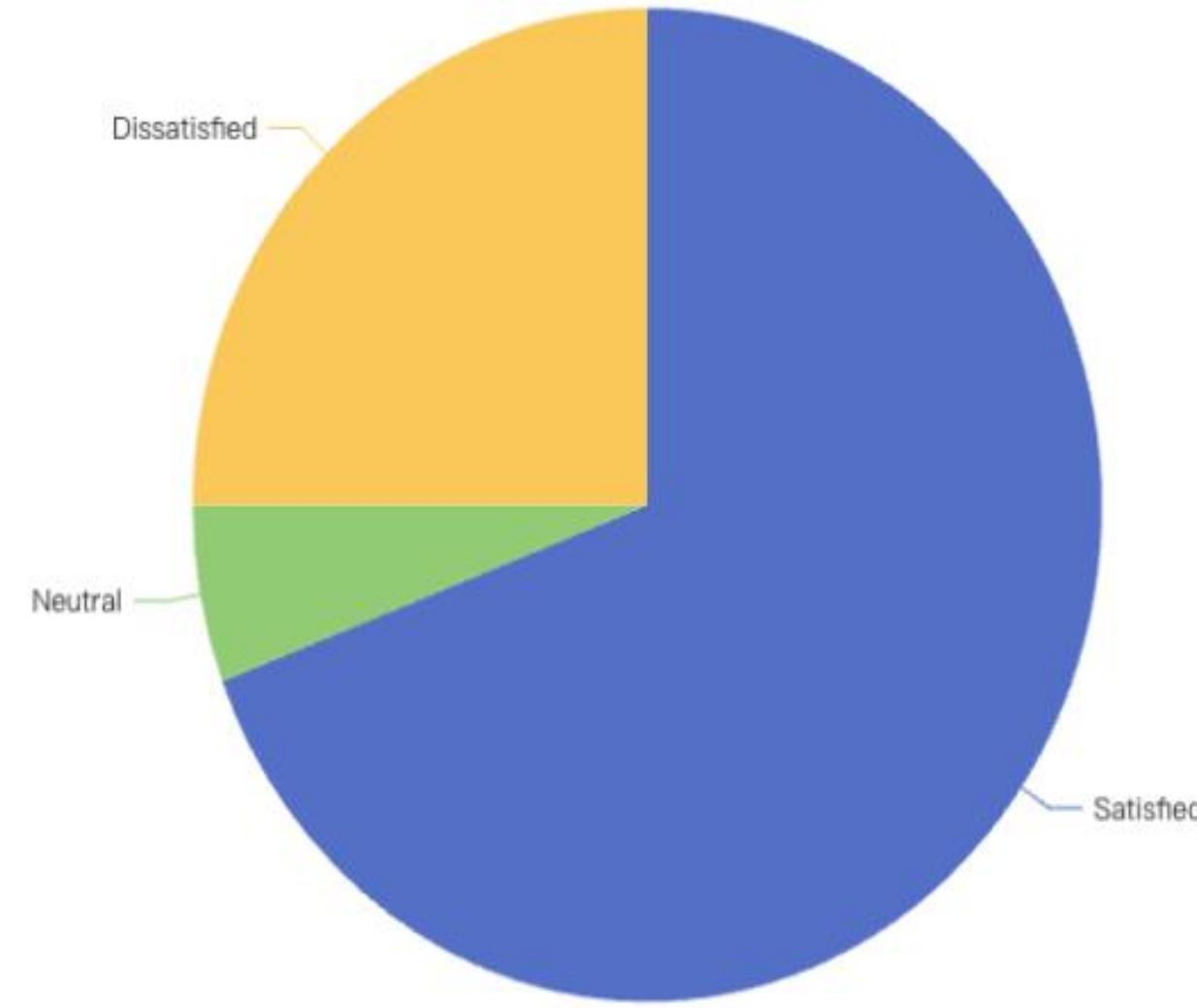
Dissatisfied (25.0%)

Hollows are good, but they're better

■ Satisfied

■ Neutral

■ Dissatisfied



- Perform sentiment analysis on customer reviews for different product categories using the pre-trained models Hugging Face's Transformers provided.
- Calculate the overall customer satisfaction level for the product category by determining the percentages of satisfied, neutral, and dissatisfied sentiments.
- Hugging Face's Transformers is an open-source natural language processing (NLP) library providing pre-trained Transformer models.
- Pre-trained model applied: facebook/bart-large-mnli (Zero-Shot Classification)

Business analysis of the product category revenue (RWD)

The figure displays three views of a mobile application interface for business analysis:

- Mobile's view (Left):** Shows the "chicken 類別收入" section with "近1年收入 \$543,770" and "近1月收入 \$467,684". It includes tabs for "近1月", "近6月", and "近1年". Below this is another "產品銷量" section for "Chicken breast meat".
- Product Sales Chart (Center):** A large blue circle represents the sales volume for "Chicken breast meat".
- Tablet's view (Right):** Shows the "chicken 類別收入" section with "近1年收入 \$543,770" and "近1月收入 \$467,684". It includes tabs for "近1月", "近6月", and "近1年". Below this is another "產品銷量" section for "Chicken breast meat".

Mobile's view

Tablet's view

Deployment

AWS EC2

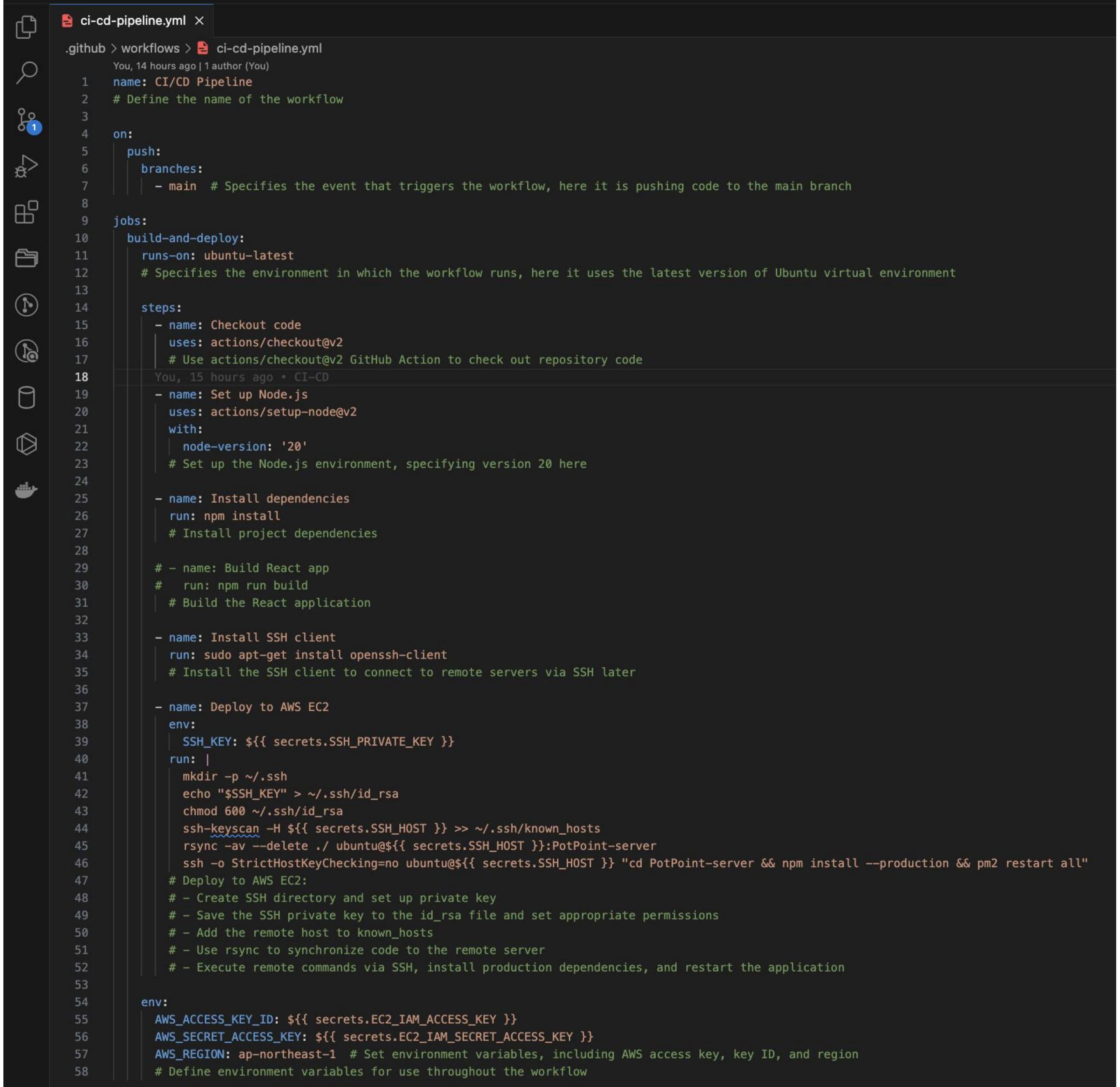
- Deploy application on EC2.
- OS: Ubuntu
- Public IPv4 address:
 - <http://52.194.231.248:8080/>
 - 帳號: pot_point
 - 密碼: pot_point

The screenshot shows the AWS EC2 Instances page. The main header includes the AWS logo, a search bar, and navigation links for Services, Search, Option+S, and Evan Wong. The top navigation bar has tabs for Instances (1/1), Info, and a button to Launch instances. Below the header is a table with columns for Instance ID, Name, Instance state, Instance type, Status check, and Alarm status. One instance is listed: PotPoint-BAD-project-EC2 (i-080b7dab71e182bca), which is Running on a t2.micro instance type. A status message indicates 2/2 checks passed and a link to View alarms. On the left, a sidebar menu lists various EC2 features: EC2 Dashboard, EC2 Global View, Events, Instances (selected), Instances Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations (New), Images (AMIs, AMI Catalog), Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), and Network & Security (Security Groups, Elastic IPs). The main content area displays detailed information for the selected instance, including its summary, public and private IP addresses, instance state (Running), and hostnames. The bottom of the page includes CloudShell, Feedback, and footer links for 2024 Amazon Web Services, Inc. or its affiliates, Privacy, Terms, and Cookie preferences.

CI/CD

GitHub Actions

- Implement CI/CD, automate testing and deployments.
- Increase the speed and quality of software deliveries while maintaining the stability and reliability of the development process.
- Right image is screenshot of "ci-cd-pipeline.yml"



```
ci-cd-pipeline.yml
.github > workflows > ci-cd-pipeline.yml
You, 14 hours ago | 1 author (You)
1 name: CI/CD Pipeline
2 # Define the name of the workflow
3
4 on:
5   push:
6     branches:
7       - main # Specifies the event that triggers the workflow, here it is pushing code to the main branch
8
9 jobs:
10   build-and-deploy:
11     runs-on: ubuntu-latest
12     # Specifies the environment in which the workflow runs, here it uses the latest version of Ubuntu virtual environment
13
14     steps:
15       - name: Checkout code
16         uses: actions/checkout@v2
17         # Use actions/checkout@v2 GitHub Action to check out repository code
18
19         You, 15 hours ago • CI-CD
20       - name: Set up Node.js
21         uses: actions/setup-node@v2
22         with:
23           node-version: '20'
24         # Set up the Node.js environment, specifying version 20 here
25
26       - name: Install dependencies
27         run: npm install
28         # Install project dependencies
29
30       # - name: Build React app
31       #   run: npm run build
32       #   # Build the React application
33
34       - name: Install SSH client
35         run: sudo apt-get install openssh-client
36         # Install the SSH client to connect to remote servers via SSH later
37
38       - name: Deploy to AWS EC2
39         env:
40           SSH_KEY: ${{ secrets.SSH_PRIVATE_KEY }}
41         run:
42           mkdir -p ~/.ssh
43           echo "$SSH_KEY" > ~/.ssh/id_rsa
44           chmod 600 ~/.ssh/id_rsa
45           ssh-keyscan -H ${{ secrets.SSH_HOST }} >> ~/.ssh/known_hosts
46           rsync -av --delete ./ ubuntu@${{ secrets.SSH_HOST }}:PotPoint-server
47           ssh -o StrictHostKeyChecking=no ubuntu@${{ secrets.SSH_HOST }} "cd PotPoint-server && npm install --production && pm2 restart all"
48         # Deploy to AWS EC2:
49         # - Create SSH directory and set up private key
50         # - Save the SSH private key to the id_rsa file and set appropriate permissions
51         # - Add the remote host to known_hosts
52         # - Use rsync to synchronize code to the remote server
53         # - Execute remote commands via SSH, install production dependencies, and restart the application
54
55         env:
56           AWS_ACCESS_KEY_ID: ${{ secrets.EC2_IAM_ACCESS_KEY }}
57           AWS_SECRET_ACCESS_KEY: ${{ secrets.EC2_IAM_SECRET_ACCESS_KEY }}
58           AWS_REGION: ap-northeast-1 # Set environment variables, including AWS access key, key ID, and region
59           # Define environment variables for use throughout the workflow
```