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
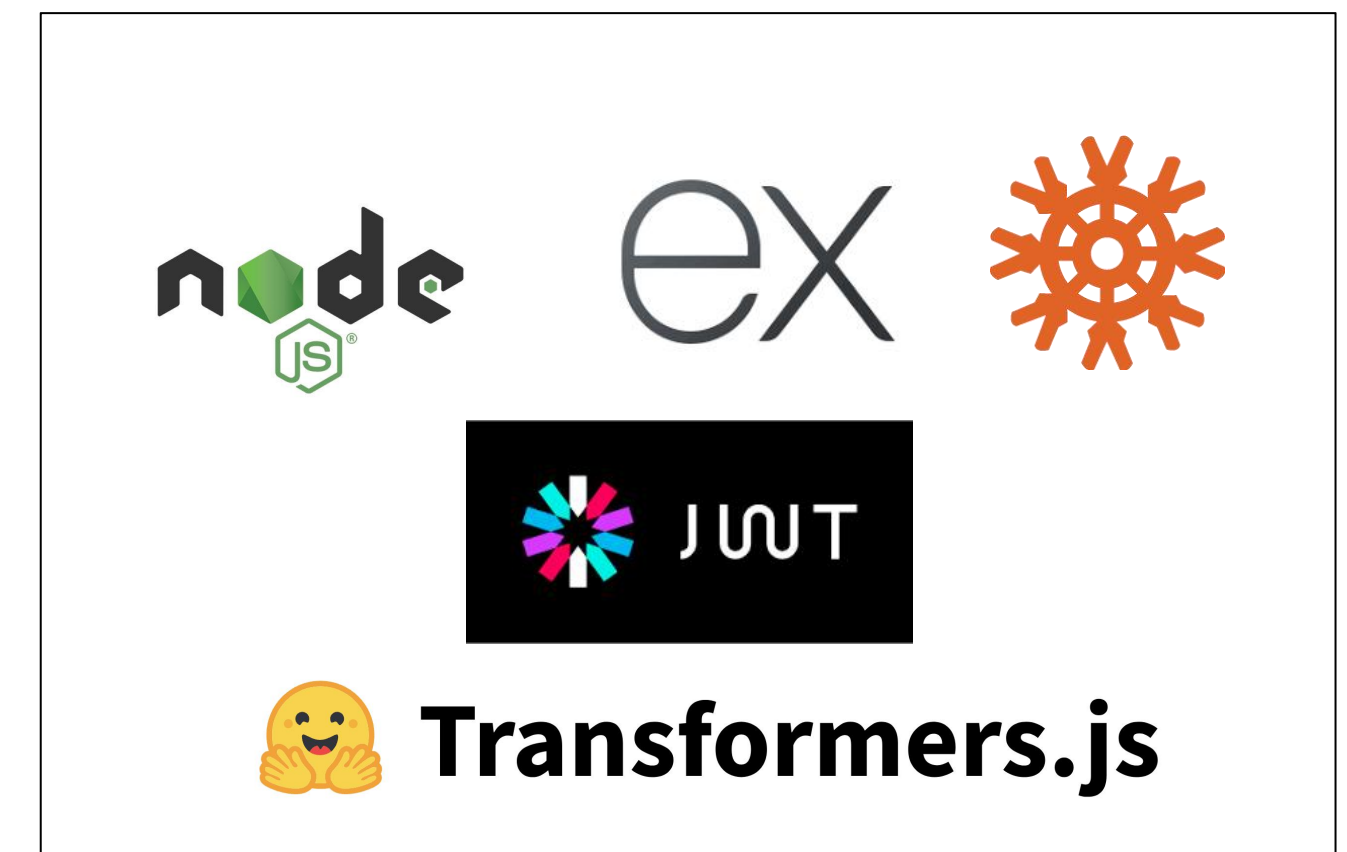React, Ant Design,
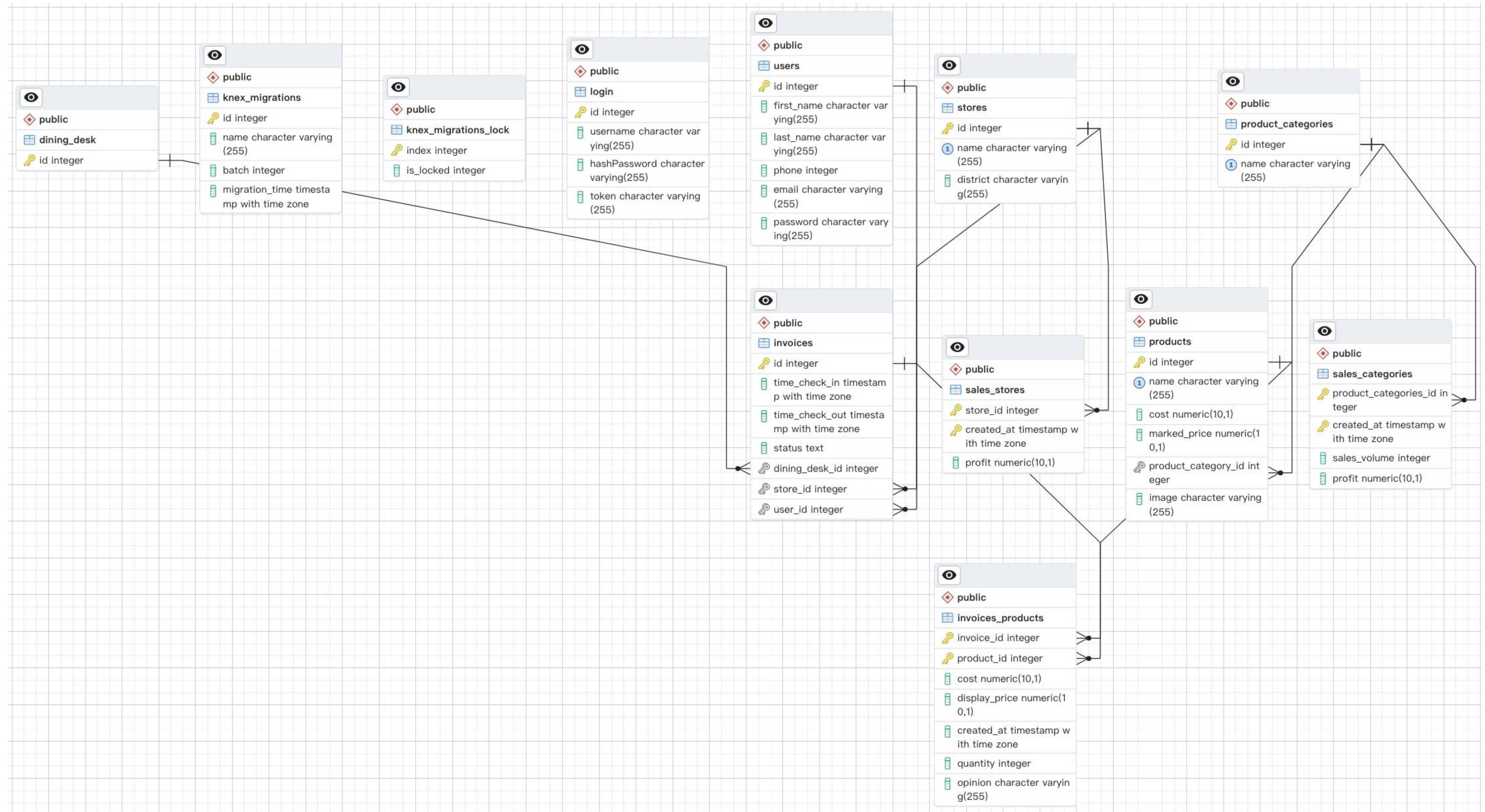ECharts, Redux Toolkit
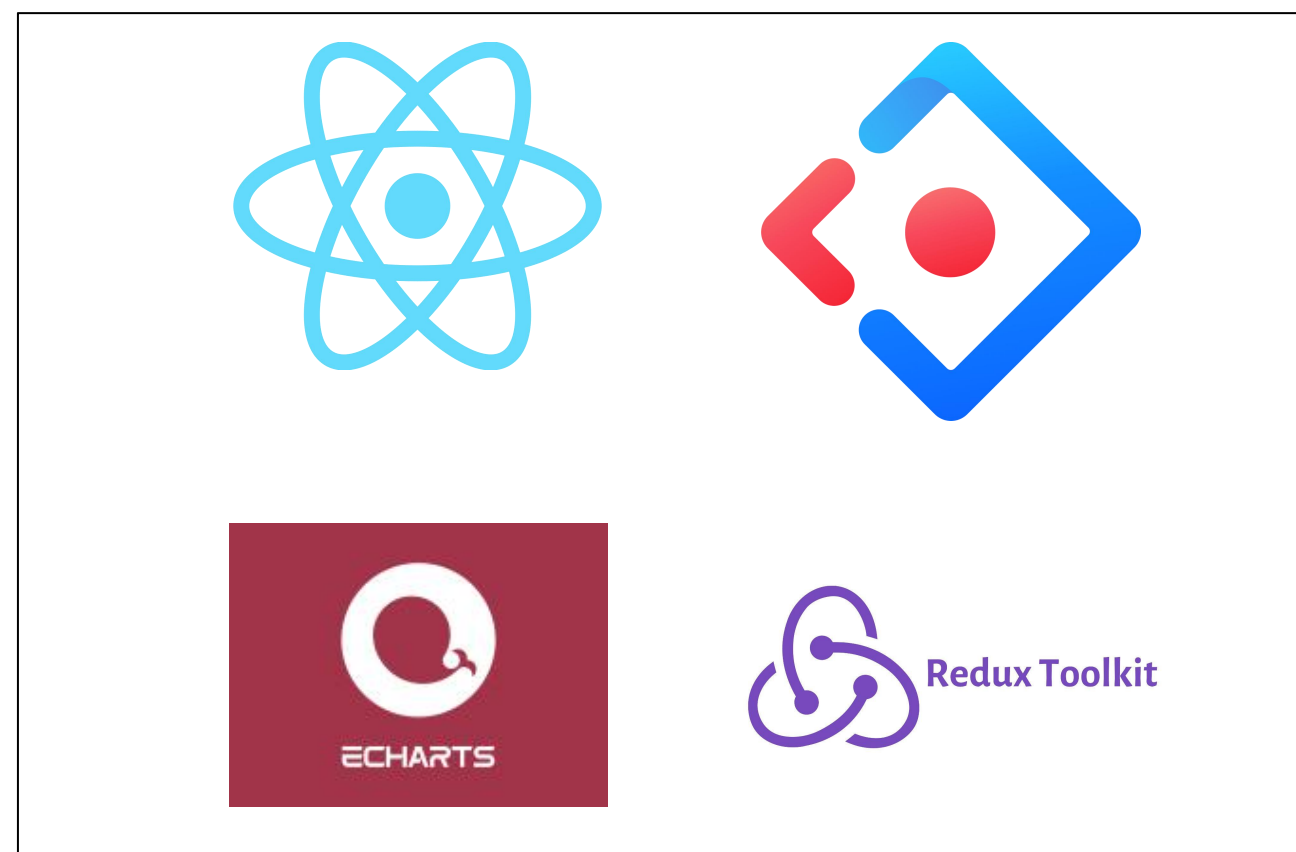
Data communication
Axios

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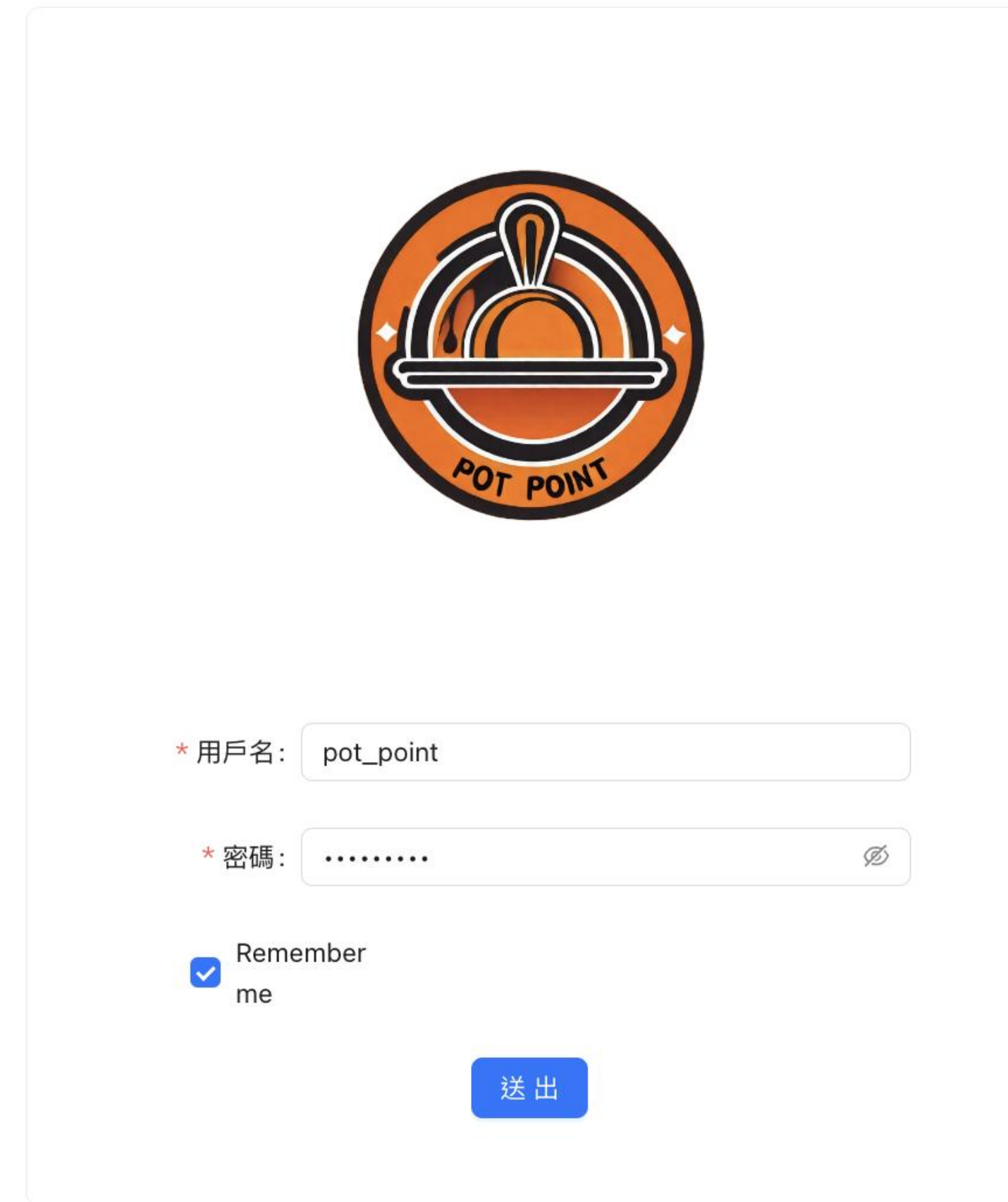PostgreSQL, Knex,
Transformers.js, JWT

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.

The token for identification and automatic login
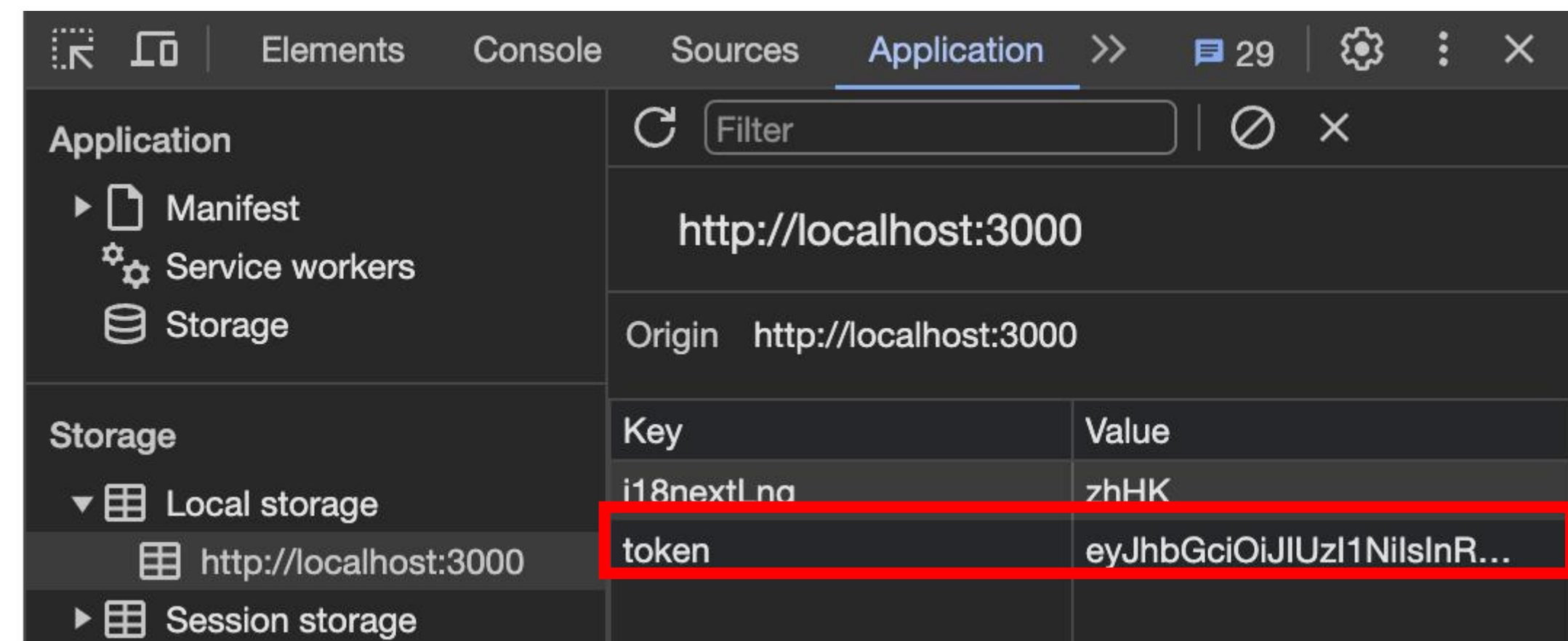
Dashboard – transaction records

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

繁體中文 | G 登出

近1年收入	近1年收益率
$22,254,856	**26.36%**
近1月收入	近1月收益率
$2,191,972	**-14.78%**
今日收入	今日收益率
$9,220	**$-0.33**

Customize time interval

🕐 訂單記錄　　🖼 分店收入　　品 類別收入　　◇ 產品收入

Click to navigate to other tabs

近1年 | 請選擇月份 📅

Click to navigate to transaction details

Record detailed information for each transaction

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

10 條/頁　　　　< 1 2 3 4 5 ... 176 > | 10 條/頁 ∨

Dashboard – transaction records (RWD)

Mobile's view

Tablet's view

Transaction details

Click to show customer review of the product

Items ordered

財務報告 ⌄   繁體中文 ⌄   ⟳ 登出

訂單明細

	產品ID		名稱	售價	數量	總售價
+	24		Water spinach	$20	3	$61
+	7		Chicken leg meat	$108	4	$432
+	20		Cod fish slices	$128	10	$1,280
+	17		Beer	$24	10	$240
+	4		Pork Belly	$192	6	$1,152
−	2		Tri Tip	$135	1	$135

意見: 三角肉有啲硬而且乾燥。

| 總收入 | | | | | | $3,300 |

Customer reivew

‹ 1 ›

Transaction details (RWD)

Mobile's view

產品ID	名稱	售價	數量	總售價
				訂單明細
− 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

‹ 1 ›

Mobile's view

Tablet's view

財務報告 ∨　繁體中文 ∨　⟲ 登出

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

‹ 1 ›

Tablet's view

Dashboard - branch revenue

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

Switch to display popular or unpopular products
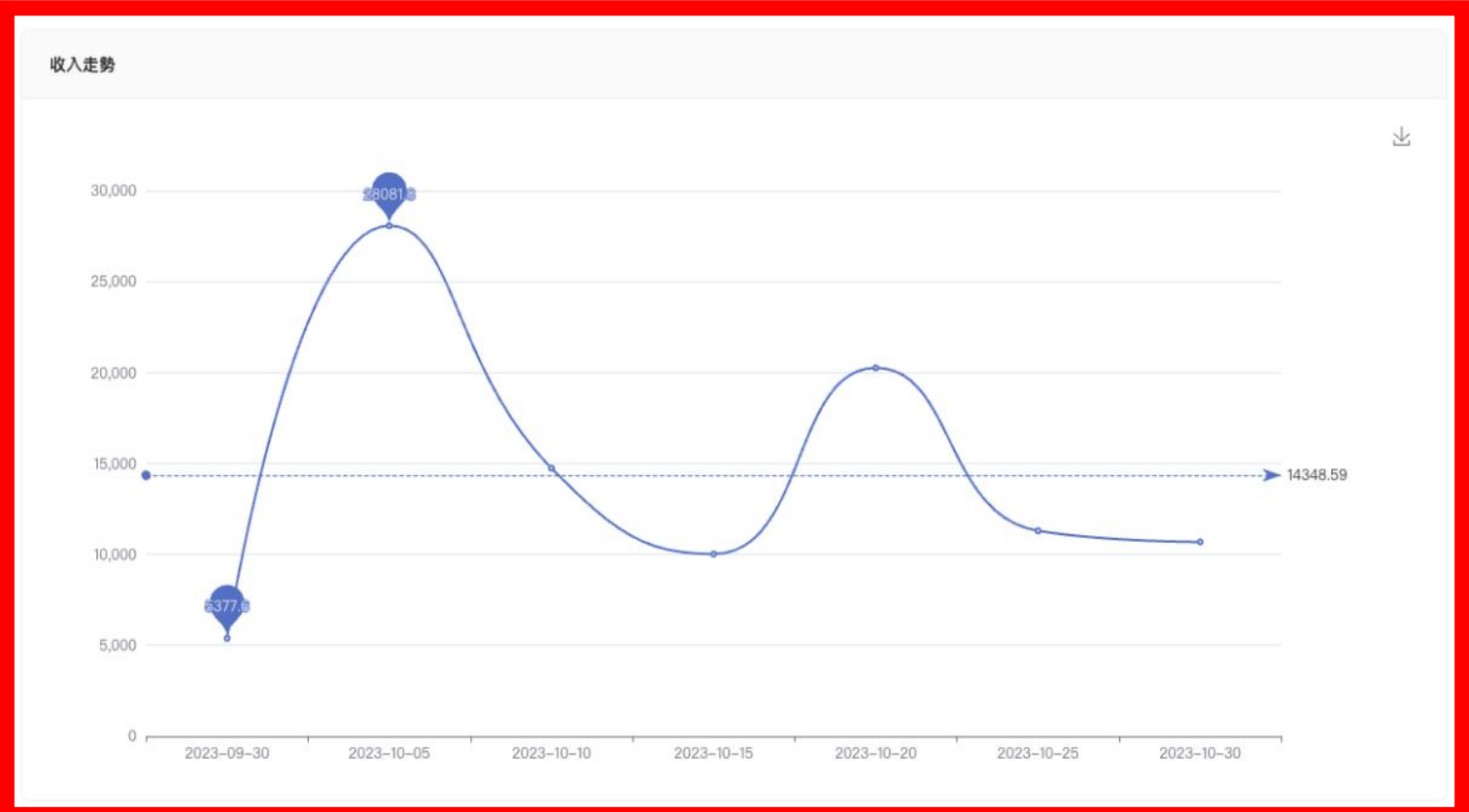
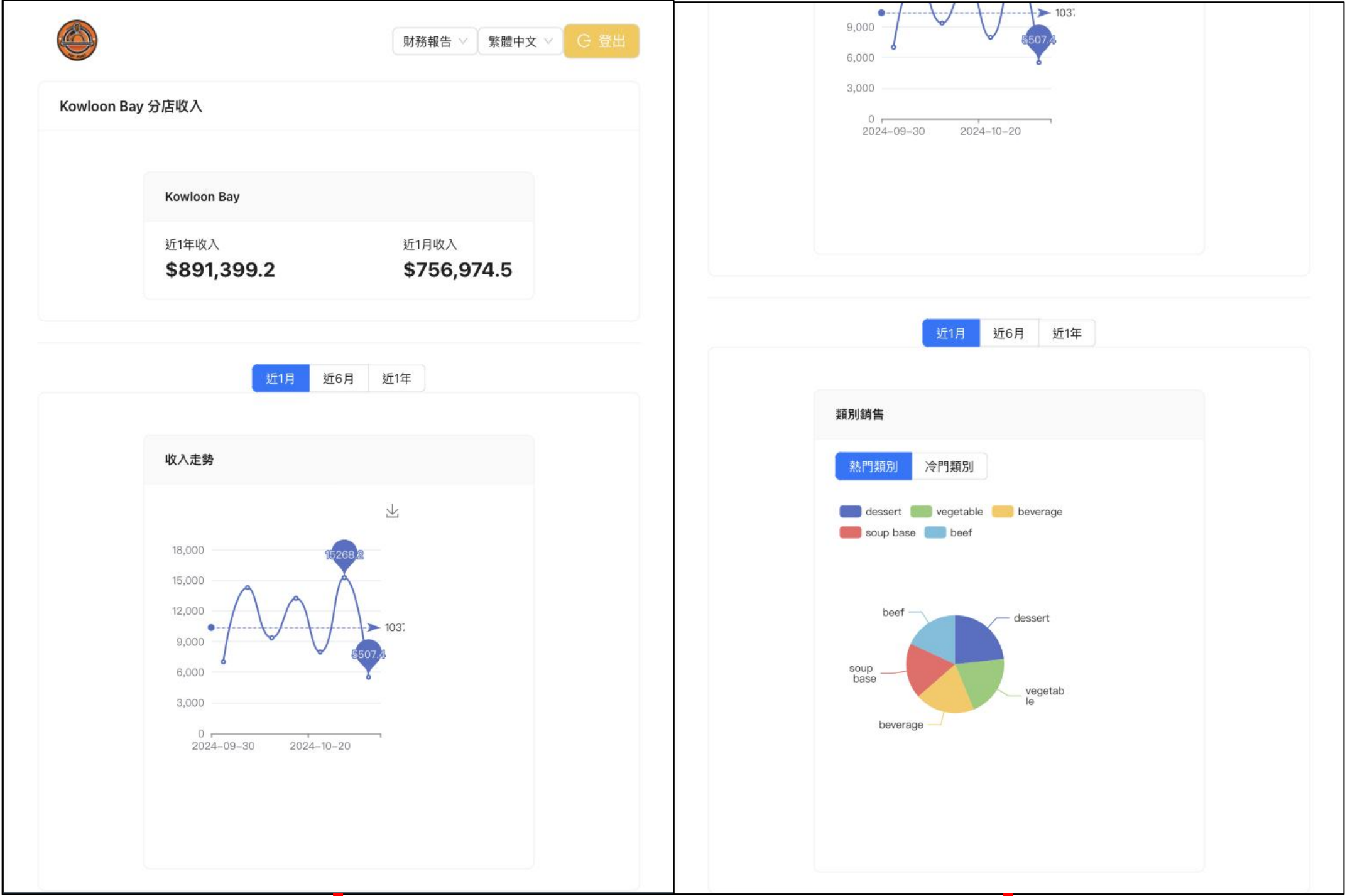Display the revenue changes for the specified period
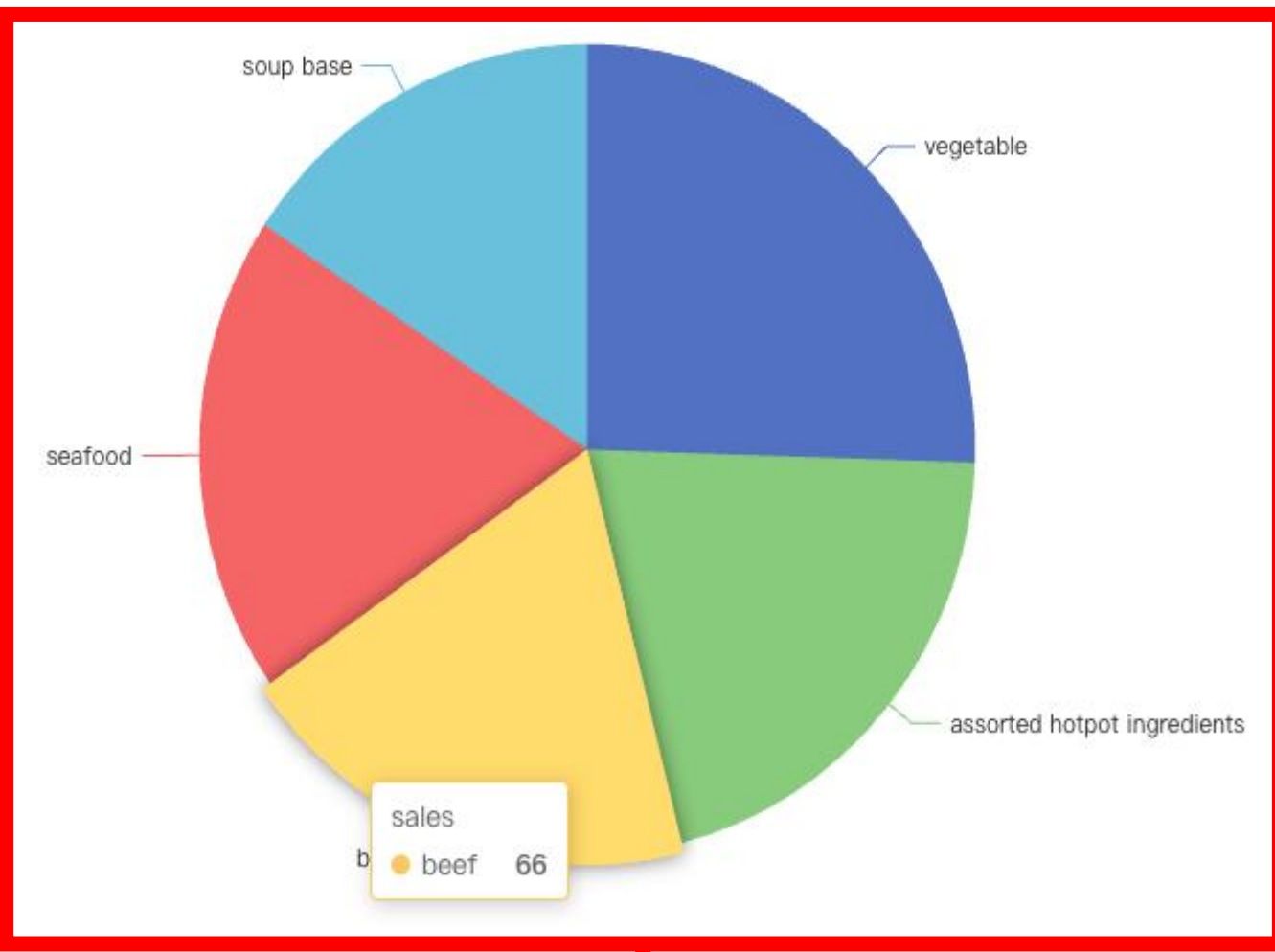
Display popular or unpopular products for the specified period

Business analysis of the branch (RWD)

Mobile's view

Tablet's view

Dashboard – product category revenue

訂單記錄　　分店收入　　**類別收入**　　產品收入

類別收入

vegetable	
近1年收入	近1月收入
$101,561	**$4,382**

chicken	
近1年收入	近1月收入
$543,770	**$14,117**

assorted hotpot ingredients	
近1年收入	近1月收入
$538,916	**$27,490**

mutton	
近1年收入	近1月收入
$1,006,201	**$40,115**

soup base	
近1年收入	近1月收入
$285,157	**$10,424**

dessert	
近1年收入	近1月收入
$295,982	**$11,198**

Dashboard – product category revenue (RWD)

Mobile's view

Tablet's view

Business analysis of the product category revenue

vegetable 類別收入

vegetable

近1年收入
$101,561

近1月收入
$4,382

The revenue of the product category for the past year and the past month
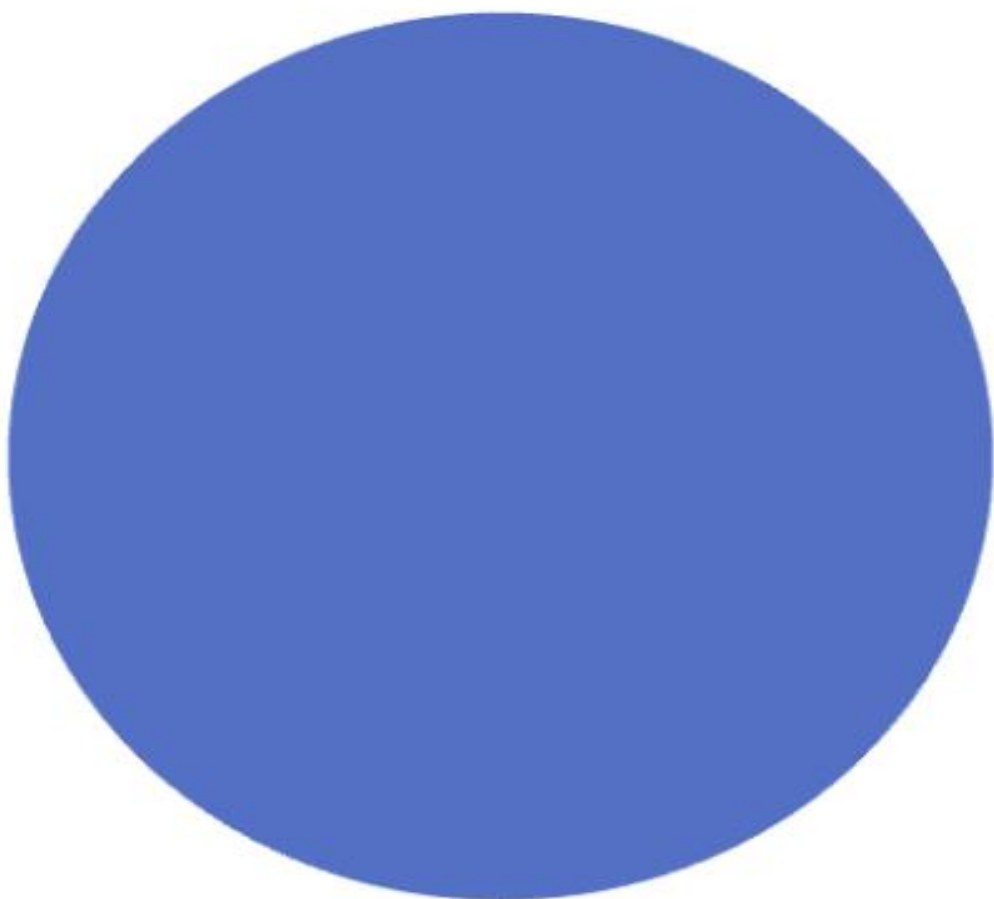
近1月 近6月 近1年

Change the time intervals

產品銷量

熱門產品 冷門產品

Switch to display popular or unpopular products

Radish

Radish

Display popular or unpopular products for the specified period

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.
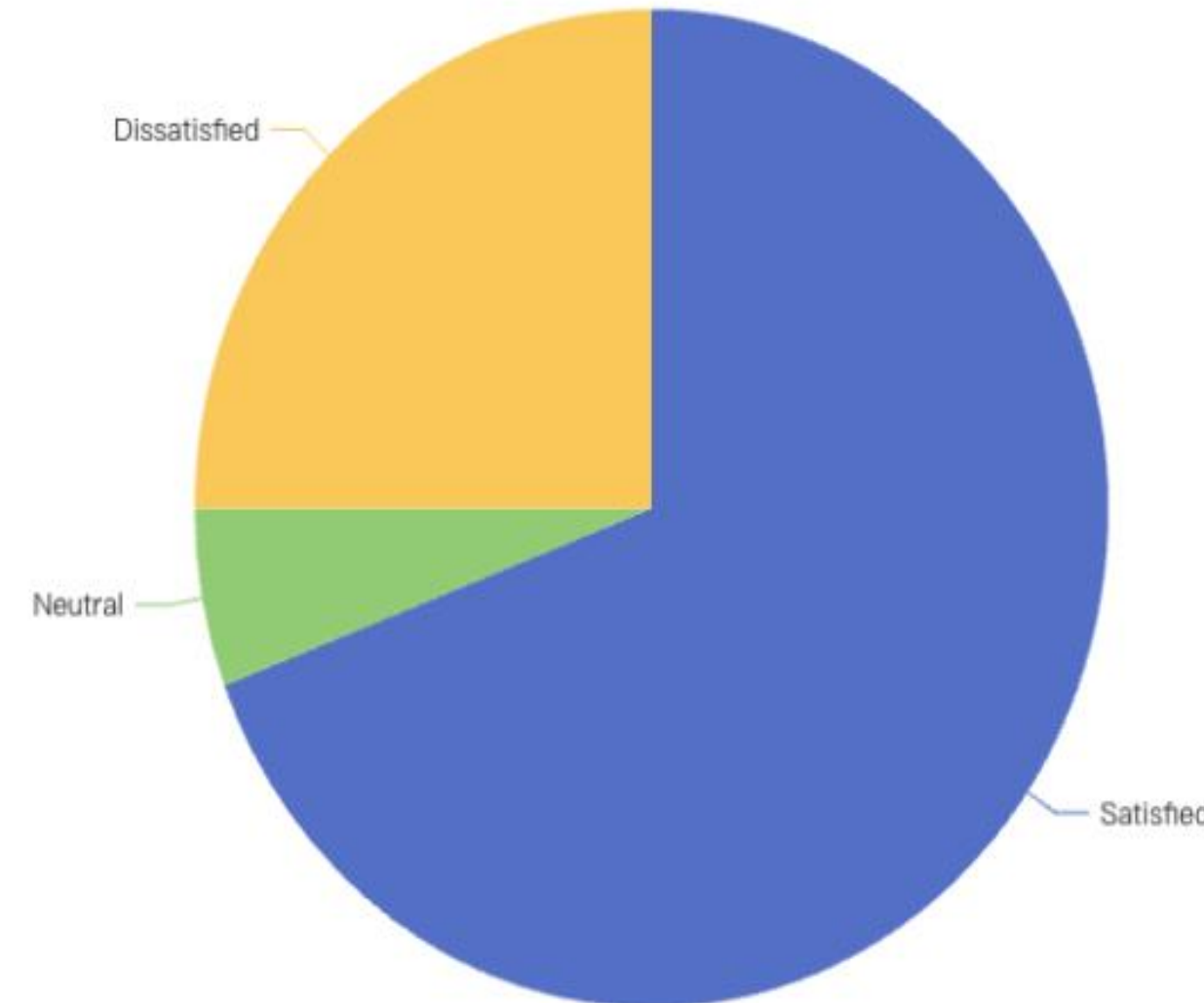Neutral (5.8%)
the radish is light.
Dissatisfied (25.0%)
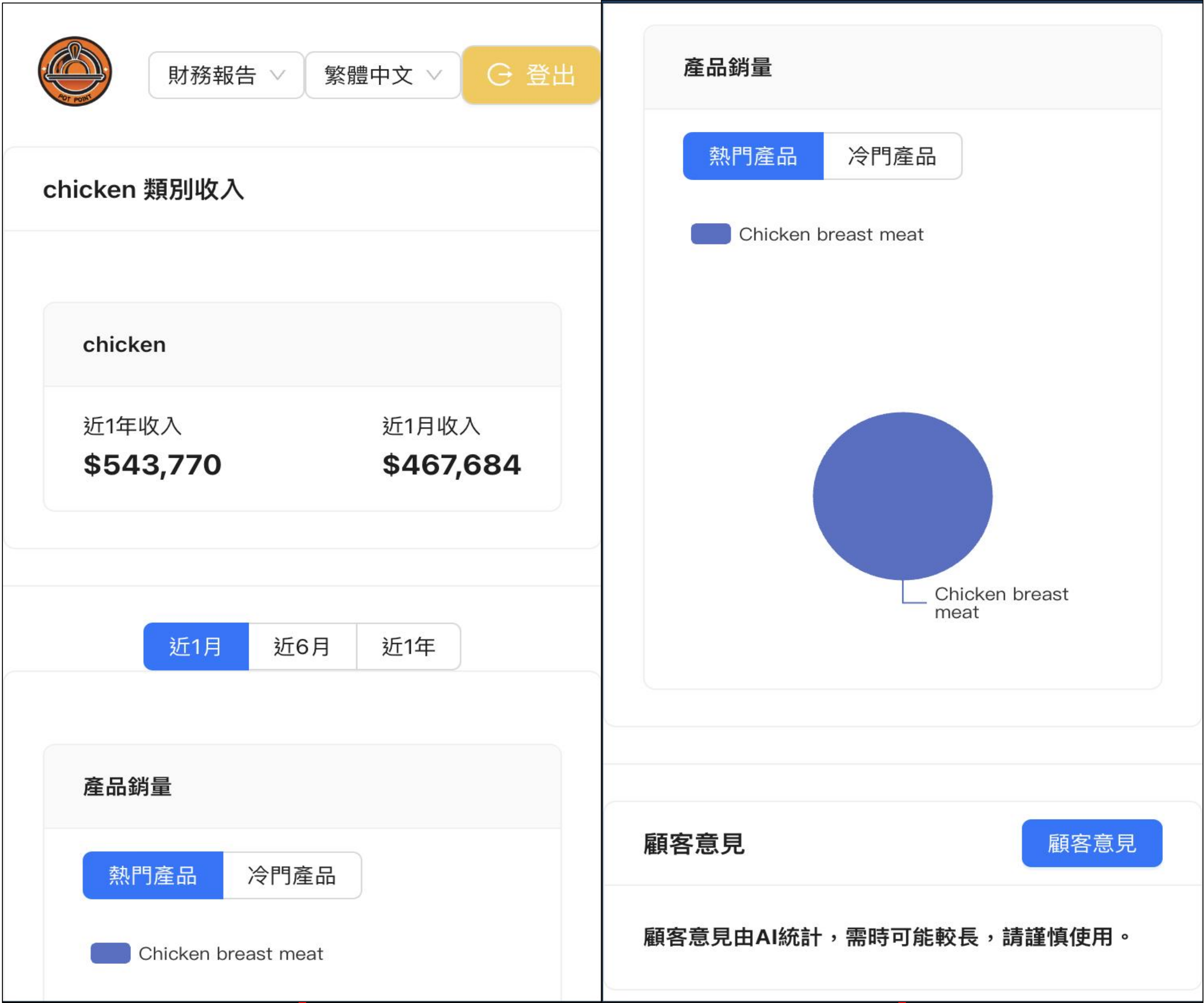Hollows are good, but they're better
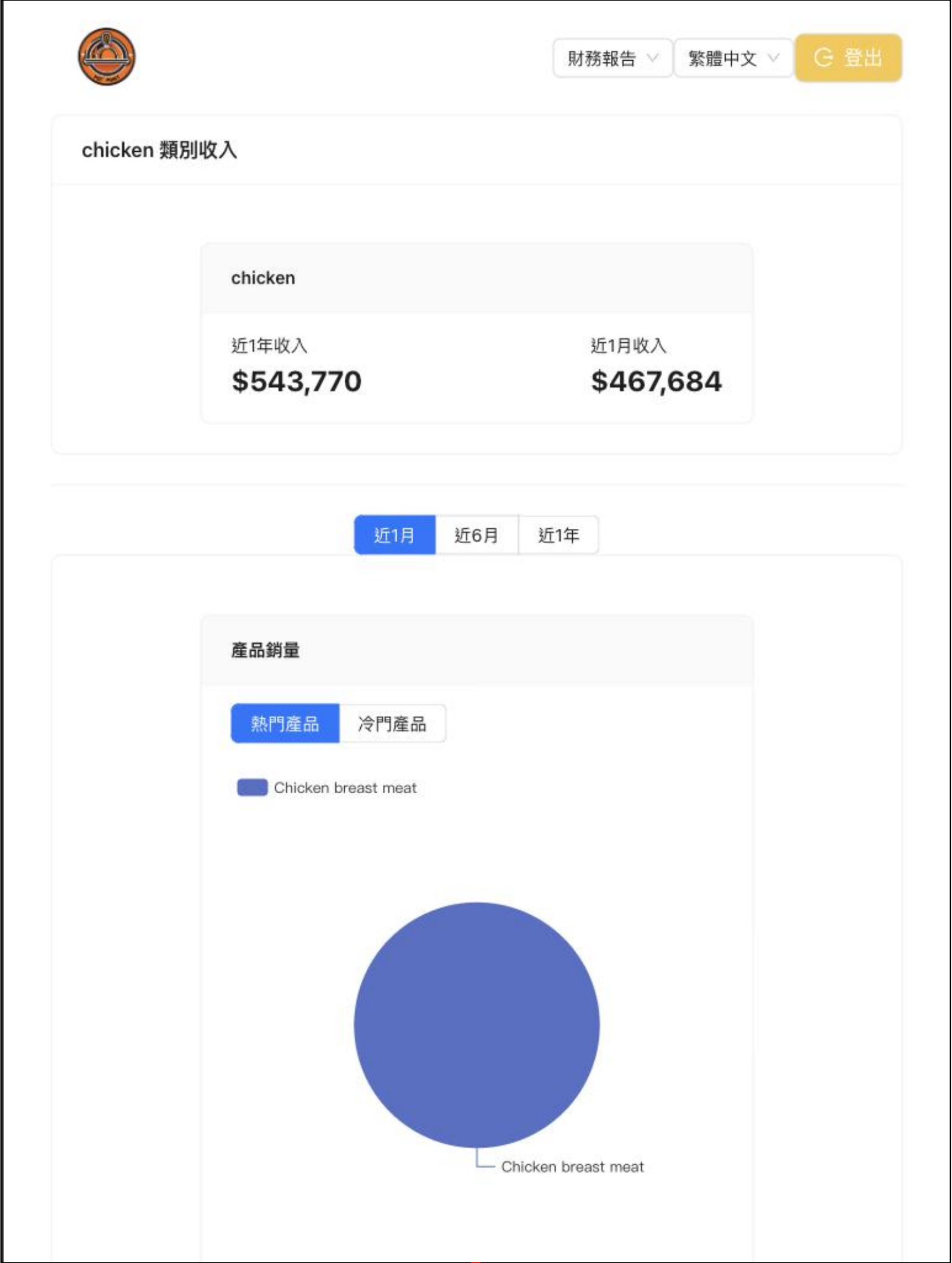
- Satisfied
- Neutral
- Dissatisfied

- **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)

Mobile's view

Tablet's view