

My Github repo URL

W12-P1: Create foreign key from cat_id (shop2_18) to id (category2_18)

The screenshot shows the pgAdmin 4 interface. On the left, the 'Catalog' tree is expanded to show the 'shop2_18' database. A red box highlights the 'Constraints (2)' folder under 'shop2_18', which contains 'fkey1' and 'shop_xx_pkey'. The main pane shows the 'shop2_18' database selected, with the 'Constraints' tab active. A table with the following structure is displayed:

Name	Columns	Referenced Table
fkey1	(cat_id) -> (id)	public.category2_18

The 'fkey1' constraint is highlighted with a red box. The 'Columns' column shows '(cat_id) -> (id)', indicating the foreign key is on the 'cat_id' column of the 'shop2_18' table, referencing the 'id' column of the 'public.category2_18' table. The 'Referenced Table' column shows 'public.category2_18'. The 'Name' column shows 'fkey1'. The 'Constraints' tab is selected, and the 'Foreign Key' sub-tab is active. The 'Save' button is visible at the bottom right of the dialog.

W12-P2: give SQL to get products based on a category

The screenshot shows the pgAdmin 4 interface. On the left, the 'category2_18' table is selected, showing its columns: id, name, size, remote_url, local_url, and link_url. Below it, the 'shop2_18' table is also selected, showing its columns: id, name, cat_id, price, remote_url, and local_url. In the center, a SQL query is entered in the 'Query' tab:

```
1 SELECT C.name as category, S.id, S.name, price, S.local_url
2 from category2_18 as C, shop2_18 as S
3 WHERE S.cat_id = C.id
4 AND C.name = 'sneakers'
```

On the right, the 'Data Output' tab shows the results of the query as a table with 8 rows:

	category	id	name	price	local_url
1	sneakers	20	Adidas NMD	220	/img/sneakers/adidas-nmd.png
2	sneakers	21	Adidas Yeezy	280	/img/sneakers/yeezy.png
3	sneakers	22	Black Converse	110	/img/sneakers/black-converse.png
4	sneakers	23	Nike White AirForce	160	/img/sneakers/white-nike-high-tops.png
5	sneakers	24	Nike Red High Tops	160	/img/sneakers/nikes-red.png
6	sneakers	25	Nike Brown High Tops	160	/img/sneakers/nike-brown.png
7	sneakers	26	Air Jordan Limited	190	/img/sneakers/nike-funky.png
8	sneakers	27	Timberlands	200	/img/sneakers/timberlands.png

W12-P3: implement route /crown2_18/shop2_18/:category, and show json data regarding some category in Browser

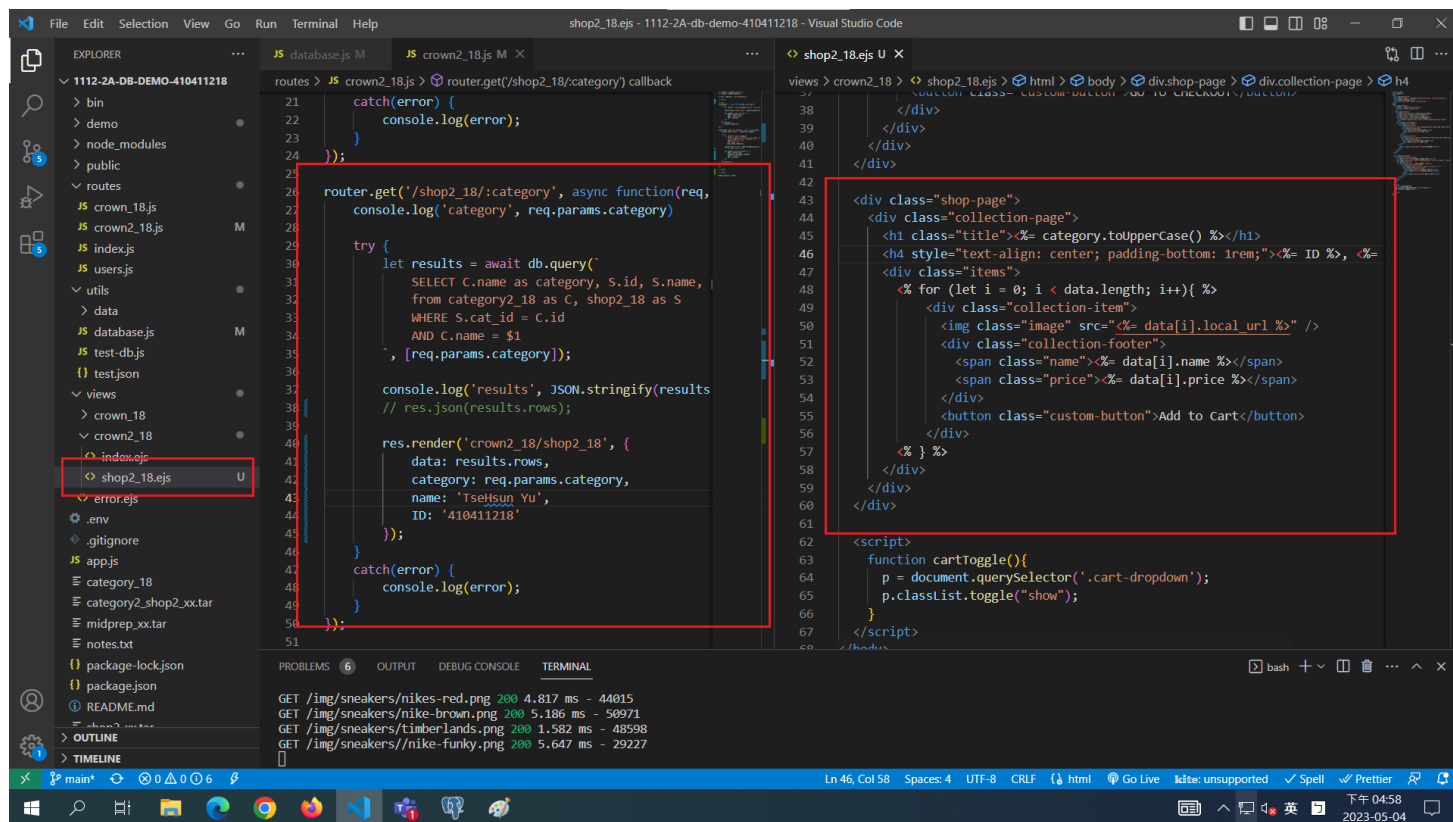
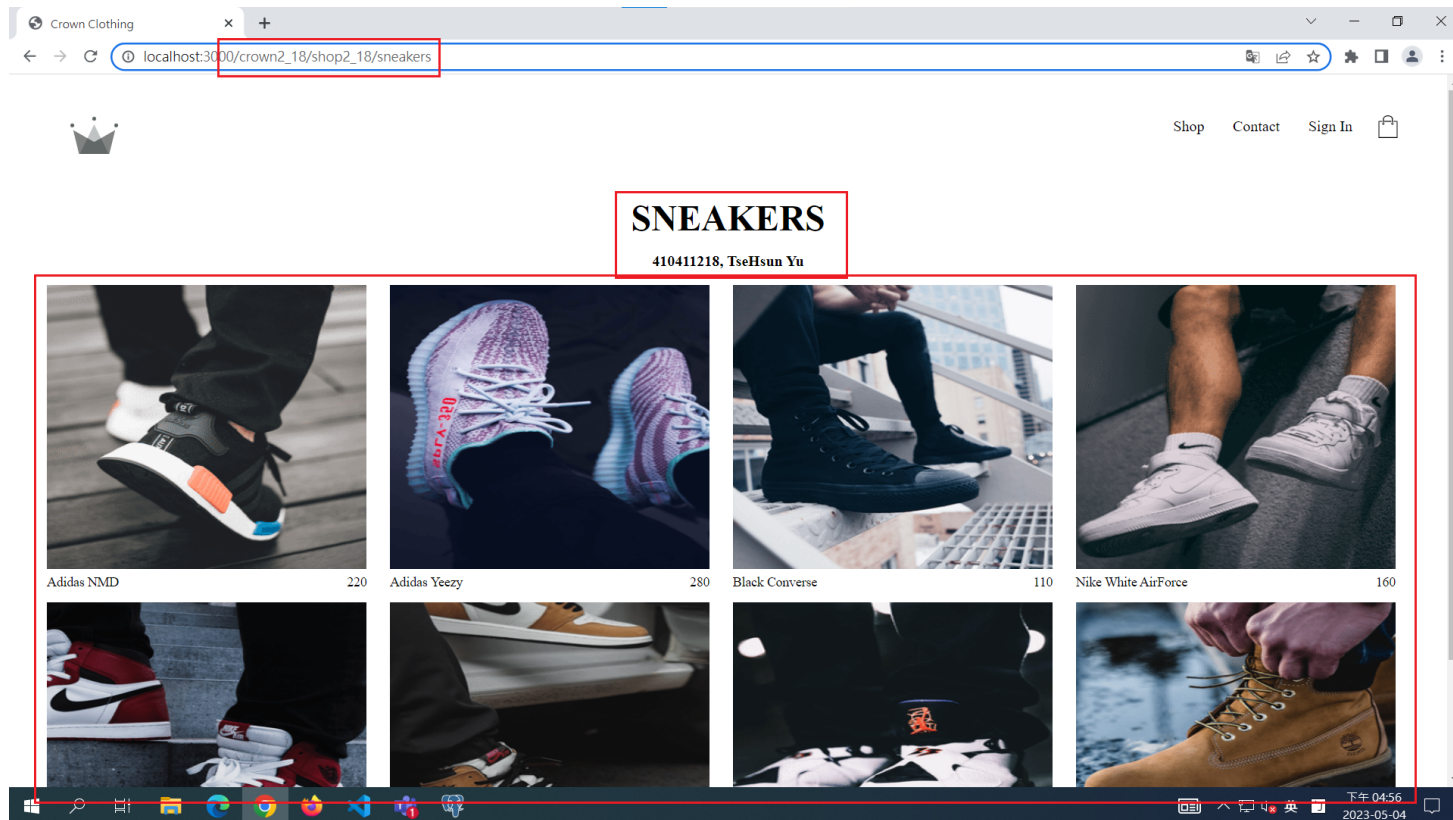
The screenshot shows the Visual Studio Code editor with the 'crown2_18.js' file open. The code implements a REST API route for '/shop2_18/:category'. The route handler uses the 'router.get' method and the 'async function' syntax. It uses the 'pg' library to connect to the database and the 'pg-pool' library to manage database connections. The SQL query is the same as in the previous screenshot. The results are formatted as JSON and sent back to the client.

```
18 router.get('/shop2_18/:category', async function(req, res, next){
19   console.log('category', req.params.category)
20   try {
21     let results = await db.query(
22       SELECT C.name as category, S.id, S.name, price, S.local_url
23       from category2_18 as C, shop2_18 as S
24       WHERE S.cat_id = C.id
25       AND C.name = $1
26     , [req.params.category])
27     console.log('results', JSON.stringify(results.rows));
28     res.json(results.rows);
29   } catch (error) {
30     console.log(error);
31   }
32 });
```

On the right, a web browser shows the response of the API call. The URL is 'localhost:3000/crown2_18/shop2_18/sneakers'. The response is a JSON array of objects, each representing a product in the 'sneakers' category:

```
[
  {
    "category": "sneakers",
    "id": 20,
    "name": "Adidas NMD",
    "price": 220,
    "local_url": "/img/sneakers/adidas-nmd.png"
  },
  {
    "category": "sneakers",
    "id": 27,
    "name": "Timberlands",
    "price": 200,
    "local_url": "/img/sneakers/timberlands.png"
  }
]
```

W12-P4: implement route /crown2_18/shop2_18/:category, and show in shop2_18.ejs



W12-P5: implement route /crown2_xx/shop2_xx to show all products in shop2_xx.ejs

EXPLORER

1112-2A-DB-DEMO-410411218

routes > JS crown2_18.js > router.get(/shop2_18) callback

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PROBLEMS 12 OUTPUT DEBUG CONSOLE TERMINAL





GET /img/womens/yellow-track-suit.png 200 8.656 ms - 39067
GET /img/mens/floral-shirt.png 304 2.736 ms -
GET /img/mens/long-sleeve.png 304 0.692 ms -
GET /img/womens/white-vest.png 200 5.609 ms - 61140
GET /img/mens/pink-shirt.png 304 1.638 ms -
GET /img/mens/roll-up-jean-shirt.png 304 2.193 ms -
GET /img/mens/polka-dot-shirt.png 304 0.633 ms -

Crown Clothing

Shop Contact Sign In

ALL PRODUCTS

410411218, TseHsun Yu







Brown Brim

25 Blue Beanie

18 Brown Cowboy

35 Grey Brim

25



Green Beanie

White Beanie

Red Beanie

Blue Beanie

W12-P6: make each category link works in /crown2_xx page

EXPLORER

1112-2A-DB-DEMO-410411218

index.ejs > HTML > body > div.homepage > div.directory-menu > div.menu-item

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PROBLEMS 10 OUTPUT DEBUG CONSOLE TERMINAL

size: null, "remote_url": "https://i.ibb.co/px2tc3/jackets.png", "local_url": "/img/homepage/jackets.png", "link_url": "/crown2_18/shop2_18/jackets"]]
GET /crown2_18 304 1012.084 ms -
GET /css/style.css 304 1.609 ms -
GET /assets/crown.svg 304 2.013 ms -
GET /assets/shopping-bag.svg 304 0.295 ms -

tku_410411218 | Supabase

whitesorm2346's Org / tku_410411218

Refresh Filter Sort Insert RLS is not en

WARNING: You are allowing anonymous access to your database. Enable Row Level Security to restrict access to your data.

	id	int4	link_url	varchar
	1		/crown2_18/shop2_18/hats	
	3		/crown2_18/shop2_18/sneaker	
	5		/crown2_18/shop2_18/mens	
	4		/crown2_18/shop2_18/womens	
	2		/crown2_18/shop2_18/jackets	

Page 1 of 1 100 rows 6 records

Github logs of Week 12

```
git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-05-02"
0b9ae89 whitestorm2346 Thu May 4 17:57:01 2023 +0800 W12-P6: make each category link works in /crown2_xx page
0c4028f whitestorm2346 Thu May 4 17:53:09 2023 +0800 W12-P5: implement route /crown2_xx/shop2_xx to show all p
4b2737d whitestorm2346 Thu May 4 17:19:30 2023 +0800 W12-P4: implement route /crown2_18/shop2_18/:category, ar
434ea9d whitestorm2346 Wed May 3 15:00:43 2023 +0800 add logs
290cb86 whitestorm2346 Wed May 3 14:59:45 2023 +0800 W12-P3: implement route /crown2_xx/shop2_xx/:category, ar
cde9c9d whitestorm2346 Wed May 3 14:27:32 2023 +0800 W12-P2: give SQL to get products based on a category
53fa046 whitestorm2346 Wed May 3 14:04:19 2023 +0800 W12-P1: Create foreign key from cat_id (shop2_18 ) to id
```