

- P0

. 並沒有很難，只是抓錯誤真的很崩潰，一抓起來，可能就跟不上進度了，一筆資料抓給兩端使用，又不互相衝突，有確實理解清楚。

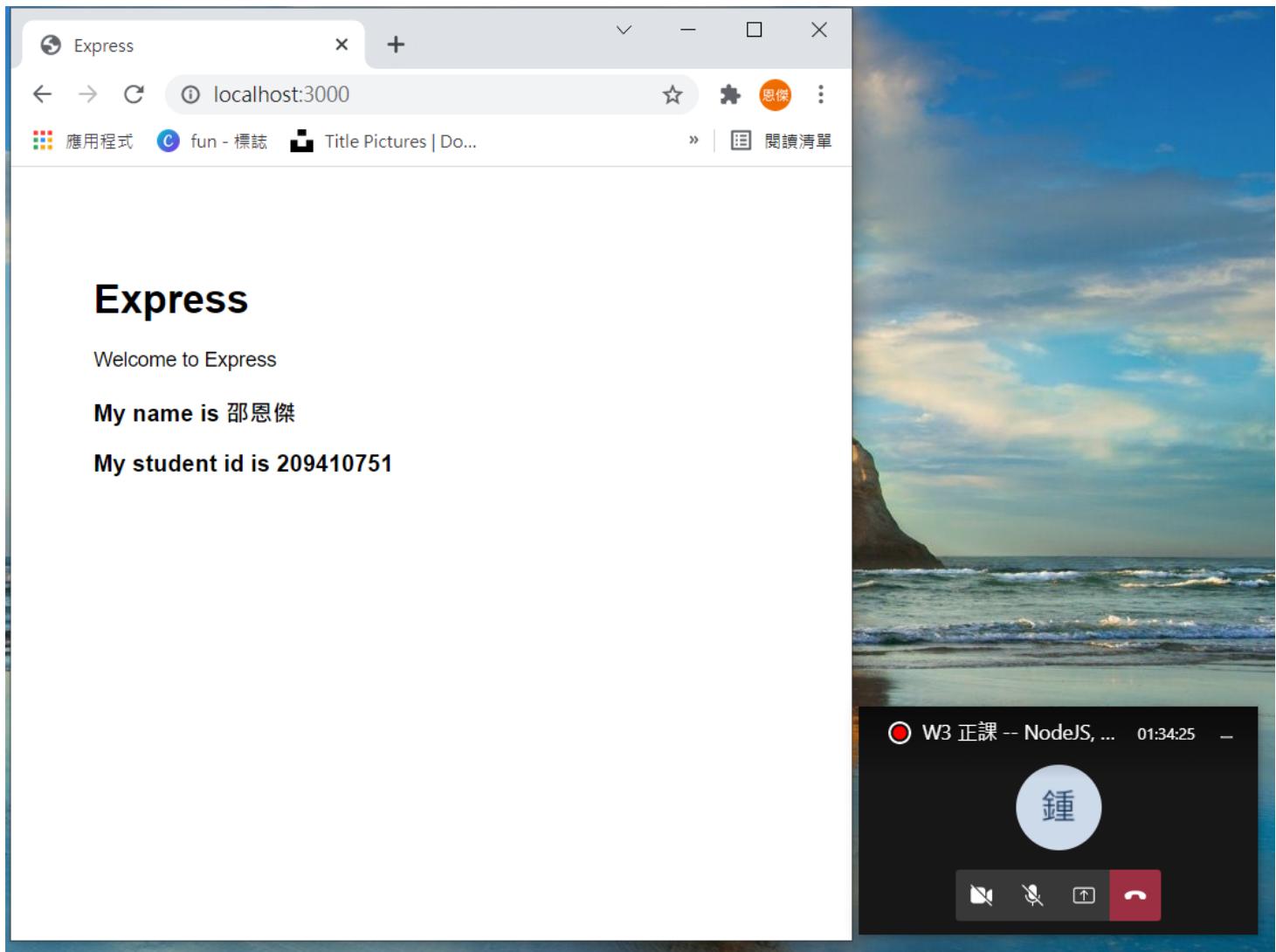
- P1. (local) 請修改 routes/index.js 在 render index.ejs 時傳入學號及姓名，index.ejs 要有姓名及學號，需要用 <%= name %> 及 <%= id %> 接收傳入的學號及姓名，並顯示下圖片。繳交
 - . Chrome 截圖
 - . routes/index.js code (程式碼)
 - . views/index.ejs code (程式碼)

```
routes/index.js =>

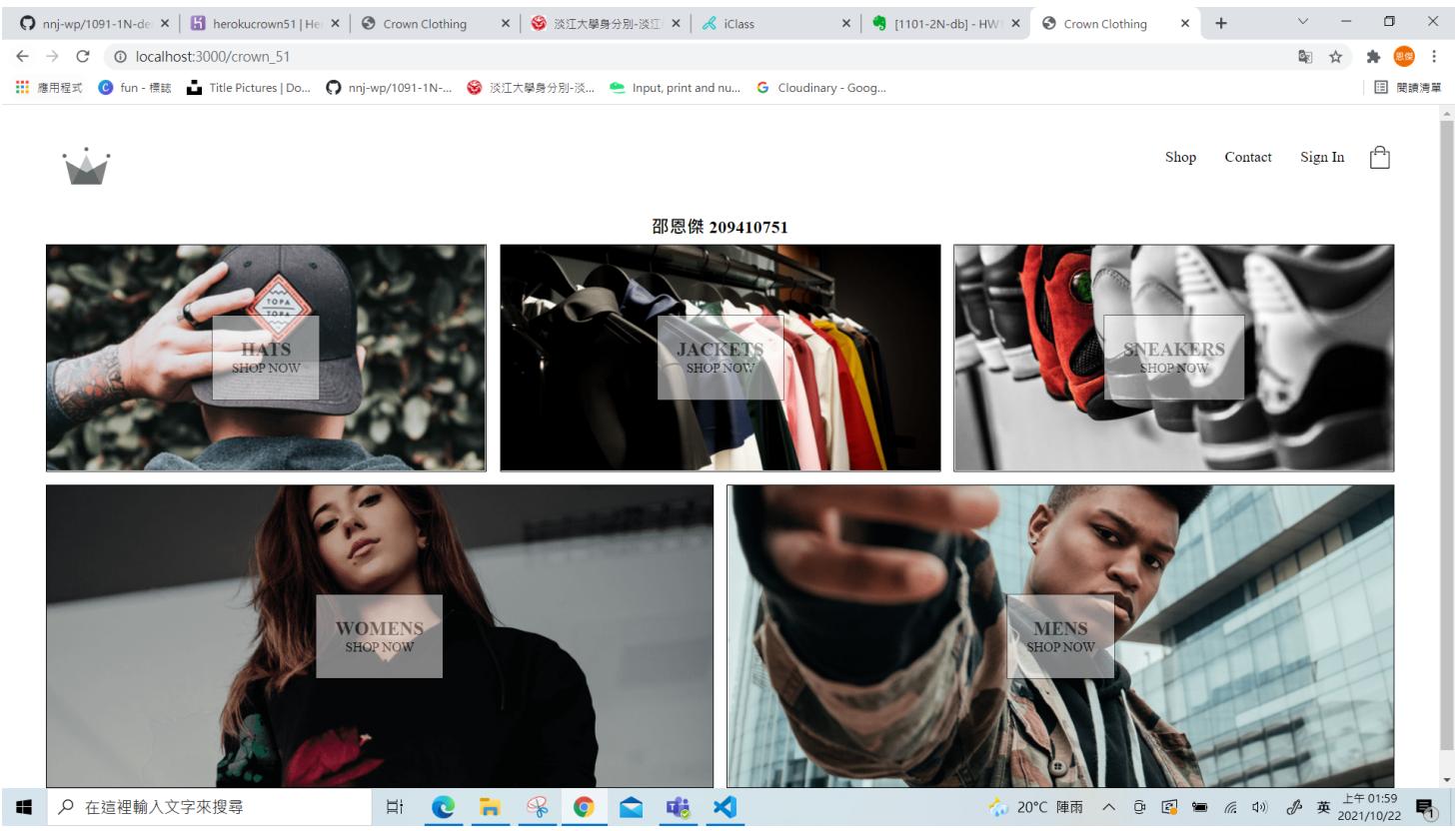
/* GET home page. */
router.get('/', function (req, res, next) {
  res.render('index', { title: 'Express', name: '邵恩傑', id: '209410751' });
});
```

```
view/index.ejs =>

<h1><%= title %></h1>
<p>Welcome to <%= title %></p>
<p></p>
<h3>My name is <%= name %></h3>
<h3>My student id is <%= id %></h3>
```



- P2. (local) 將 crown theme 裡面的 index.ejs 複製到 views/crown_xx.ejs，並能在 Chrome 中顯示路由 /crown_xx，如下圖 localhost:3000/crown_xx。標題要有學號及姓名，如 P1 的傳入方式。請繳交
 - . Chrome 截圖，要有 URL
 - . routes/crown_xx.js ，相關重點以圖片呈現
 - . views/crown_xx.ejs ，相關重點以圖片呈現



在這裡輸入文字來搜尋 20°C 陣雨 上午 01:59
2021/10/22

檔案(F) 編輯(E) 選取項目(S) 檢視(V) 移至(G) 執行(R) 終端機(T) 說明(H) crown_51.ejs - crown_51 - Visual Studio Code

檔案總管 JS api_51.js U JS crown_51.js JS index.js JS crown2_51.ejs JS crown_51.ejs X JS Category_51.js JS app.js M

已開啟的編輯器

CROWN_51

- jackets.html
- mens.html
- overview.html
- sneakers.html
- womens.html

routes

- JS api_51.js
- JS crown_51.js
- JS crown2_51.js
- JS index.js
- JS users.js

utils

- JS database.js

views

- crown_51.ejs
- crown2_51.ejs
- error.ejs
- index.ejs

```

views > crown_51.ejs > html > body > div.homepage > h3 > ? > ?
      <span class="price">1 * $90</span>
      </div>
      </div>
      <button class="custom-button">GO TO CHECKOUT</button>
    </div>
  </div>
<div class="homepage">
  <h3>
    <%= name %>
    <%= id %>
  </h3>
  <div class="directory-menu">
    <div class="menu-item">
      
      <a href=". /hats.html" class="content">
        <h1 class="title">HATS</h1>
        <span class="subtitle">SHOP NOW</span>
      </a>
    </div>
  <div class="menu-item">

```

The screenshot shows the Visual Studio Code interface. The left sidebar displays a project structure with files like 'jackets.html', 'mens.html', 'overview.html', 'sneakers.html', 'womens.html', 'api_51.js', 'crown_51.js' (which is selected), 'crown2_51.js', 'index.js', 'users.js', 'utils', 'database.js', 'views', and 'crown_51.ejs'. The main editor area shows the code for 'crown_51.js':

```

1 var express = require('express');
2 var router = express.Router();
3
4 /* GET home page. */
5 router.get('/', function (req, res, next) {
6   | res.render('crown_51', { title: 'Express', name: '邵恩傑', id: '209410751' });
7 });
8
9 module.exports = router;
10

```

- P3. (local) 請將 crown_xx.ejs 裡面 category 五筆資料 PostgreSQL 中，資料庫名稱 crown_xx，table 名稱 category_xx。繳交
 - Chrome 截圖

The screenshot shows the pgAdmin 4 interface connected to a PostgreSQL database. The left sidebar shows the database schema with 'Collations', 'Domains', 'FTS Configurations', 'FTS Dictionaries', 'FTS Parsers', 'FTS Templates', 'Foreign Tables', 'Functions', 'Materialized Views', 'Procedures', 'Sequences', and 'Tables (1)'. Under 'Tables (1)', 'category' is selected, showing its columns: 'id [PK] integer', 'name character varying', 'size character varying', 'remote_url character varying', 'local_url character varying', and 'link_url character varying'. The 'Data Output' tab displays the following data:

	id [PK] integer	name character varying	size character varying	remote_url character varying	local_url character varying	link_url character varying
1	1	hats	[null]	https://i.ibb.co/cvpnL1/hats.png	/img/homepage/hats.png	/crown2_51/shop2_51/hats
2	2	jackets	[null]	https://i.ibb.co/px2tCc3/jackets.png	/img/homepage/jackets.png	/crown2_51/shop2_51/jackets
3	3	sneakers	[null]	https://i.ibb.co/0jpHpnP/sneakers.png	/img/homepage/sneakers.png	/crown2_51/shop2_51/sneakers
4	4	womens	large	https://i.ibb.co/GCCdyBt/womens.png	/img/homepage/womens.png	/crown2_51/shop2_51/womens
5	5	mens	large	https://i.ibb.co/R70vBrQ/man.png	/img/homepage/mens.png	/crown2_51/shop2_51/mens

- P4. (heroku) 請將 P2 這一題的結果，在 heroku server 上顯示，路由是 /crown_xx。請繳交
 - Chrome 截圖 (要看到 URL，上面有 heroku app)

. Github Repo URL

. Heroku 畫面，要有 app 名稱

第四題

- P5. (heroku) 請將 P3 資料庫 category_xx 五筆資料，放到 Heroku Posgres 上。請繳交
 - . Chrome 截圖 (要看到 URL，上面有 heroku database, category_xx, 和 5 筆資料)
 - . Heroku 畫面，要看到 DATABASE_URL 資料
 - . 請提供 Heroku DATABASE_URL 資料，並將之拆分提供文字放入 code (``)中
 - . host: xxxxxxxx
 - . port: 5432
 - . database:xxxxxxxxxx
 - . username:xxxxxxxxxx
 - . password:xxxxxxxxxx

The screenshot shows the pgAdmin 4 interface. The left sidebar displays a tree view of the database schema, including Schemas (public), Tables (category_51), Columns, and Constraints. The main area shows a query editor with the following SQL:

```
1 SELECT * FROM public.category
2 ORDER BY id ASC
```

The Data Output tab shows the results of the query:

	id [PK] integer	name character varying	size character varying	remote_url character varying	local_url character varying	link_url character varying
1	1	hats	[null]	https://i.ibb.co/cvpnL1/hats.png	/img/homepage/hats.png	/crown2_xx/shop2_xx/hats
2	2	jackets	[null]	https://i.ibb.co/pz2tCc3/jackets.png	/img/homepage/jackets.png	/crown2_xx/shop2_xx/jackets
3	3	sneakers	[null]	https://i.ibb.co/0jqHpn/sneakers.png	/img/homepage/sneakers.png	/crown2_xx/shop2_xx/sneakers
4	4	womens	large	https://i.ibb.co/GCCdy8t/womens.png	/img/homepage/womens.png	/crown2_xx/shop2_xx/womens
5	5	mens	large	https://i.ibb.co/R70vBrQ/men.png	/img/homepage/mens.png	/crown2_xx/shop2_xx/mens

```
host: ec2-44-198-80-194.compute-1.amazonaws.com
```

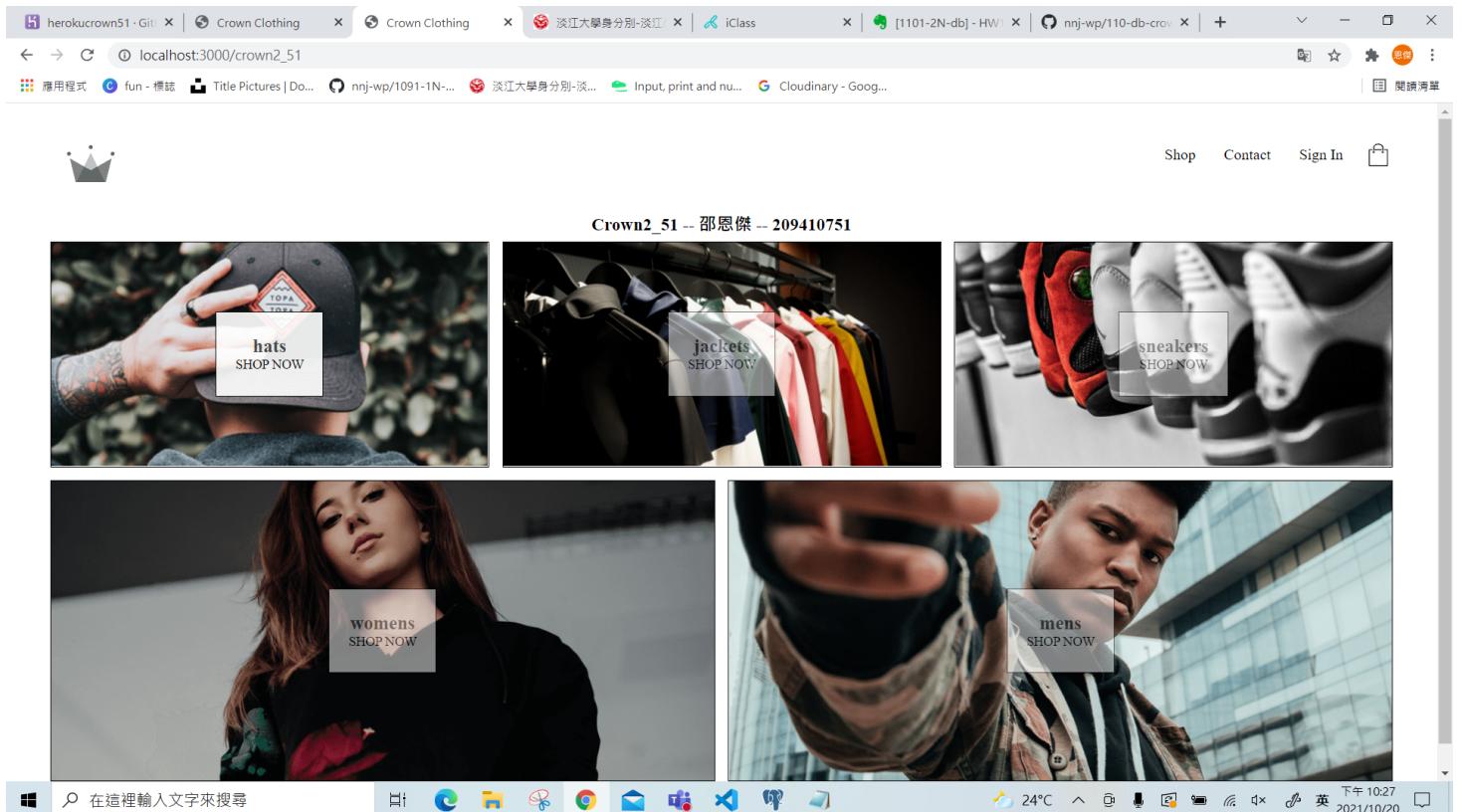
```
port: 5432
```

```
database: dd1r2l3t6ccinu
```

```
username: toqvzkamvjkypd
```

```
password: 812805119c01ff5cde97896b101c4eed7e1856e3ba3fdb1013b652eb42e0756e
```

- P6. (local) 將 views/crown_xx.ejs 複製一份成 crown2_xx.ejs，能夠直接到 PostgreSQL server 取得 category 5 筆資料，套入到 crown2_xx.ejs 中。在 Chrome 中要顯示路由 /crown2_xx 。標題要有 Crown2_xx (from title) 學號 (from id) 及姓名(from name)。請繳交
 - . Chrome 截圖，要有 URL
 - . app.js ，相關重點以圖片標註呈現
 - . routes/crown2_xx.js ，相關重點以圖片標註呈現呈現
 - . views/crown2_xx.ejs ，相關重點以圖片標註呈現呈現



檔案(F) 編輯(E) 選取項目(S) 檢視(V) 移至(G) 執行(R) 終端機(T) 說明(H) app.js - crown_51 - Visual Studio Code

檔案總管 ... comd.md M JS app.js X

> 已開啟的編輯器

CROWN_51

- commands
- hats.html
- index.html
- jackets.html
- mens.html
- overview.html
- sneakers.html
- womens.html

routes

- api_51.js
- crown_51.js
- crown2_51.js
- index.js
- users.js

utils

- database.js

views

- crown_51.ejs
- crown2_51.ejs
- error.ejs
- index.ejs

.gitignore

JS app.js

{ package-lock.json

> 大綱

> 時間表

JS app.js > ...

```
8 var usersRouter = require('../routes/users');
9 const crown_51 = require('../routes/crown_51');
10 const crown2_51Router = require('../routes/crown2_51');
11 const api_51_router = require('../routes/api_51');
12
13 var app = express();
14
15 // view engine setup
16 app.set('views', path.join(__dirname, 'views'));
17 app.set('view engine', 'ejs');
18
19 app.use(logger('dev'));
20 app.use(express.json());
21 app.use(express.urlencoded({ extended: false }));
22 app.use(cookieParser());
23 app.use(express.static(path.join(__dirname, 'public')));
24
25 app.use('/', indexRouter);
26 app.use('/users', usersRouter);
27
28 app.use('/crown2_51', crown2_51Router);
29
30 // catch 404 and forward to error handler
31 app.use(function (req, res, next) {
32   next(createError(404));
33 }
```

問題 3 輸出 偵錯主控台 終端機

Acer@DESKTOP-AKESD0J MINGW64 /d/大二上/web/w3資料庫_多/crown_51 (main)

\$

main* ⌂ 0 △ 0 ① 3 ⌂ Live Share ⌂ Watch Sass 第 27 行, 第 32 欄 空格: 2 UTF-8

在這裡輸入文字來搜尋

File Explorer Home Insert Editor Task Terminal Output Debug Tools Help

檔案(F) 編輯(E) 選取項目(S) 檢視(V) 移至(G) 執行(R) 終端機(T) 說明(H) crown2_51.js - crown_51 - Visual Studio Code

檔案總管 ... comd.md M JS crown2_51.js X crown2_51.ejs

> 已開啟的編輯器

CROWN... M

- > css
- > img
- comd.md M
- < hats.html
- < index.html
- < jackets.html
- < mens.html
- < overview.html
- < sneakers.html
- < womens.html

routes

- JS api_51.js
- JS crown_51.js
- JS crown2_51.js
- JS index.js
- JS users.js

utils

- JS database.js

views

- < crown_51.ejs
- < crown2_51.ejs
- < error.ejs
- < index.ejs

問題 3 輸出 偵錯主控台 終端機

Acer@DESKTOP-AKESD0J MINGW64 /d/大二上/web/w3資料庫_多/crown_51 (main)

\$

main* 🔍 0 ⚡ 0 ① 3 Live Share ⚡ Watch Sass 第 9 行, 第 1 欄 空格: 4 CRLF

在這裡輸入文字來搜尋

具 地圖 標誌 電子郵件 聊天 紙張

20°C

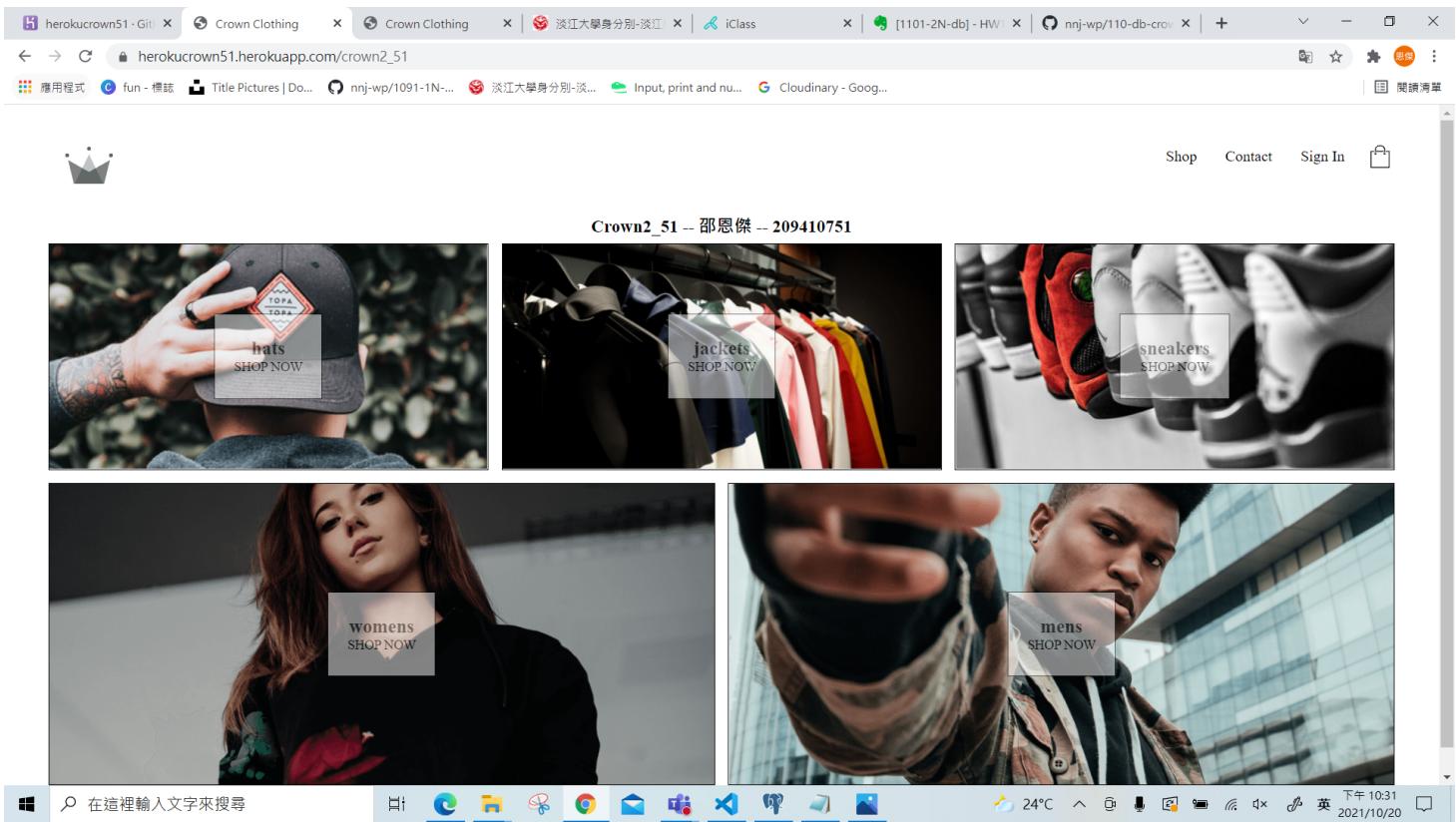
```
1 var express = require('express');
2 var router = express.Router();
3 const crown2Controller_51 = require('../controllers/crown2Controller_51')
4
5 /* GET home page. */
6 router.get('/', crown2Controller_51.getCategories);
7
8 module.exports = router;
9
```

```
<div class="directory-menu">
<% data.forEach( item => { %>
    <div class="<%= item.size %> menu-item">
        
        <a href=".//hats.html" class="content">
            <h1 class="title"><%= item.name %></h1>
            <span class="subtitle">SHOP NOW</span>
        </a>
    </div>
<% } ) %>
</div>
</div>
```

問題 3 輸出 偵錯主控台 終端機

Acer@DESKTOP-AKESD0J MINGW64 /d/大二上web/w3資料庫_多/crown_51 (main)

- P7. (heroku) 請將 P6 這一題的結果，在 heroku server 上顯示，路由是 /crown2_xx，category 資料必須要從 Heroku Posgres 上取得。請繳交
 - . Chrome 截圖 (要看到 URL，上面有 heroku app)
 - . Github Repo URL



Git Repo URL

<https://github.com/nunj-wp/1091-1N-demo-209410751.git>

- P8. (local) 實作 api 路由 /api_xx/category_xx，能夠直接到 PostgreSQL server 取得 category 5 筆資料並以 json 方式顯示。請繳交
 - . Chrome 截圖，要有 路由 /api_xx/category_xx
 - . app.js ，相關重點以圖片標註呈現
 - . routes/api_xx.js ，相關重點以圖片標註呈現呈現
 - . controllers/apiCrown2Controller_xx.js ，相關重點以圖片標註呈現呈現

```
// 20211022023845
// http://localhost:3000/api_51/Category_51
[
  {
    "id": 1,
    "name": "hats",
    "size": null,
    "remote_url": "https://i.ibb.co/cvpnL1/hats.png",
    "local_url": "/img/homepage/hats.png",
    "link_url": "/crown2_51/shop2_51/hats"
  },
  {
    "id": 2,
    "name": "jackets",
    "size": null,
    "remote_url": "https://i.ibb.co/px2tCc3/jackets.png",
    "local_url": "/img/homepage/jackets.png",
    "link_url": "/crown2_51/shop2_51/jackets"
  },
  {
    "id": 3,
    "name": "sneakers",
    "size": null,
    "remote_url": "https://i.ibb.co/0jgHpnP/sneakers.png",
    "local_url": "/img/homepage/sneakers.png",
    "link_url": "/crown2_51/shop2_51/sneakers"
  },
  {
    "id": 4,
  }
]
```

20°C 陣雨 2021/10/22 上午 02:38

The screenshot shows the Visual Studio Code interface with the following details:

- File Menu:** 檔案(F) 編輯(E) 選取項目(S) 檢視(V) 移至(G) 執行(R) 終端機(T) 說明(H)
- Status Bar:** app.js - crown_51 - Vis
- Left Sidebar:**
 - 檔案總管
 - > 已開啟的編輯器
 - CROWN... (1)
 - jackets.html
 - mens.html
 - overview.html
 - sneakers.html
 - womens.html
 - routes
 - JS api_51.js
 - JS crown_51.js
 - JS crown2_51.js
 - JS index.js
 - JS users.js
 - utils
 - JS database.js
 - views
 - ↳ crown_51.ejs
 - ↳ crown2_51.ejs
 - ↳ error.ejs
 - ↳ index.ejs
 - .gitignore
 - JS app.js (highlighted)
 - { } package-lock.json
 - { } package.json
- Right Editor Area:** JS app.js >

```
8  var usersRouter = require('./routes/users');
9  const crown_51 = require('./routes/crown_51');
10 // ...
11 const api_51_Router = require('./routes/api_51');

12
13 var app = express();
14
15 // view engine setup
16 app.set('views', path.join(__dirname, 'views'));
17 app.set('view engine', 'ejs');
18
19 app.use(logger('dev'));
20 app.use(express.json());
21 app.use(express.urlencoded({ extended: false }));
22 app.use(cookieParser());
23 app.use(express.static(path.join(__dirname, 'public')));

24
25 app.use('/', indexRouter);
26 app.use('/users', usersRouter);
27 app.use('/crown_51', crown_51);
28 // ...
29 app.use('/api_51', api_51_Router);

30
31 // catch 404 and forward to error handler
32 app.use(function (req, res, next) {
33   next(createError(404));

```
- Bottom Status Bar:** 問題 4 輸出 偵錯主控台 終端機
GET /api_51/Category_51 304 130.899 ms - -
Watch Sass 第 27 行, 第 32 欄 空
- Bottom Icons:** main*, 🔍, 0, 0, 4, Live Share, ⚡, 在這裡輸入文字來搜尋, 目錄, 開始, 剪刀, Chrome, 電郵, Microsoft Teams, 訊息, Word

檔案(F) 編輯(E) 選取項目(S) 檢視(V) 移至(G) 執行(R) 終端機(T) 說明(H) api_51.js - crown_51 - Visual Studio Code

檔案總管 ... comd.md M JS api_51.js X JS crown2_51.js

已開啟的編輯器

CROWN... bin controllers models node_modules public assets css img

comd.md M hats.html index.html jackets.html mens.html overview.html sneakers.html womens.html

routes

- JS api_51.js
- JS crown_51.js
- JS crown2_51.js
- JS index.js
- JS users.js

utils

問題 4 輸出 偵錯主控台 終端機

GET /api_51/Category_51 304 130.899 ms - -

main* Live Share β Watch Sass 第6行,第38欄 空格:4 UTF-8 CRLF {} Java 在這裡輸入文字來搜尋

20°C 陣雨

```
routes > JS api_51.js > ...
1 var express = require('express');
2 var router = express.Router();
3 const apiCrown2Controller_51 = require('../controllers/apiCrown2Controller_51');
4
5 /* GET home page. */
6 router.get(['/Category_51', apiCrown2Controller_51.getCategories]);
7
8 module.exports = router;
9
```

```
const serviceCrown2Controller_51 = require('../serviceCrown2Controller_51');

exports.getCategories = async (req, res) => {
  try {
    const data = await serviceCrown2Controller_51.getCategories();
    return res.json(data);
  } catch (err) {
    console.log('crown2Controller getCategories', err);
  }
};
```

- P9. (heroku) 請將 P8 這一題的結果，在 heroku server 上顯示，路由是 /api_xx/category_xx，category 資料必須要從 Heroku Posgres 上取得。請繳交
 - . Chrome 截圖 (要看到 /api_xx/category_xx，上面有 heroku app)
 - . Github Repo URL

The screenshot shows a browser window with multiple tabs open. The active tab displays a JSON array of four objects, each representing a category with fields: id, name, size, remote_url, local_url, and link_url. The JSON is as follows:

```
// 20211022025105
// https://herokucrown51.herokuapp.com/api_51/Category_51
[
  {
    "id": 1,
    "name": "hats",
    "size": null,
    "remote_url": "https://i.ibb.co/cvpnL1/hats.png",
    "local_url": "/img/homepage/hats.png",
    "link_url": "/crown2_51/shop2_51/hats"
  },
  {
    "id": 2,
    "name": "jackets",
    "size": null,
    "remote_url": "https://i.ibb.co/px2tCc3/jackets.png",
    "local_url": "/img/homepage/jackets.png",
    "link_url": "/crown2_51/shop2_51/jackets"
  },
  {
    "id": 3,
    "name": "sneakers",
    "size": null,
    "remote_url": "https://i.ibb.co/0jgHpn/p/sneakers.png",
    "local_url": "/img/homepage/sneakers.png",
    "link_url": "/crown2_51/shop2_51/sneakers"
  },
  {
    "id": 4,
    "name": "shirts",
    "size": null,
    "remote_url": "https://i.ibb.co/0jgHpn/p/shirts.png",
    "local_url": "/img/homepage/shirts.png",
    "link_url": "/crown2_51/shop2_51/shirts"
  }
]
```

Git Repo URL

<https://github.com/nnj-wp/1091-1N-demo-209410751.git>