

My Github Repo URL

W02-P1: Use express generator to create a server side framework, and display your info

The screenshot shows a Mac desktop environment with two windows open. On the left is a code editor window for VS Code, displaying the file structure of a project named 'card_demo_26'. The 'index.js' file is open, showing the following code:

```
routes > JS index.js > router.get('/') callback > title
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('index', { title: '210410626 Huang Wei Yi' });
7 })
8
9 module.exports = router;
```

The 'index.js' file is highlighted with a red box. Below the code editor is a terminal window showing logs from nodemon:

```
[nodemon] restarting due to changes...
[nodemon] starting 'node ./bin/www'
[nodemon] restarting due to changes...
[nodemon] starting 'node ./bin/www'
[nodemon] restarting due to changes...
[nodemon] starting 'node ./bin/www'
[nodemon] restarting due to changes...
[nodemon] starting 'node ./bin/www'
GET / 200 15.163 ms - 252
GET /stylesheets/style.css 304 9.284 ms - -
```

To the right of the code editor is a web browser window showing the result of the application. The address bar says 'localhost:3000' and the page displays the text '210410626 Huang Wei Yi' in a large font, followed by 'Welcome to 210410626 Huang Wei Yi'.

W02-P2: show static page of card demo with your info

Huang Wei Yi 210410626

LIFESTYLE ☕
Seven Reasons Why Coffee Is Awesome
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

TRAVEL 🏰
Travel To Paris
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

LIFESTYLE ☕
Coffee Brings Friendship
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

LIFESTYLE ☕
Coffee Make You Feel Good
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

LIFESTYLE ☕
Coffee Make You Calm
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

TRAVEL 🏰
101 Tower In Taipei
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

TRAVEL 🏰
Sun Rise From The Mountain
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

TRAVEL 🏰
Serene Lake With Trees
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

TRAVEL 🏰
Rocks Of Queen Head In Yehliu Taiwan
Lorem ipsum dolor sit amet consectetur adipisicing elit.
[Read More](#)

EXPLORER ... w02_26.md < index.ejs JS app.js JS users.js ... JS card_26.js ...

CARD_DEMO_26 ...

 > bin

 > md/w02

 ★ w02_26.md

 ☒ w02-pt.png

 ☒ w02-p2-1.png

 > node_modules

 > public

 > images

 # blog_26.css

 blog_26.html

 index.html

 > routes

 JS card_26.js

 JS index.js

 JS users.js

 > views

 > card_demo_26

 < index.ejs

 < error.ejs

 < index.ejs

 JS app.js

 {} package-lock.json

 {} package.json

JS app.js > ...

```
7 var indexRouter = require('./routes/index');
8 var usersRouter = require('./routes/users');
9
10 const cardRouter_26 = require('./routes/card_26');
11
12 var app = express();
13
14 // view engine setup
15 app.set('views', path.join(__dirname, 'views'));
16 app.set('view engine', 'ejs');
17
18 app.use(logger('dev'));
19 app.use(express.json());
20 app.use(express.urlencoded({ extended: false }));
21 app.use(cookieParser());
22 app.use(express.static(path.join(__dirname, 'public')));
23
24 app.use('/', indexRouter);
25 app.use('/users', usersRouter);
26
27 app.use('/card_26', cardRouter_26);
28
29 // catch 404 and forward to error handler
30 app.use(function(req, res, next) {
31   | next(createError(404));
32 });
33
34 // error handler
35 app.use(function(err, req, res, next) {
36   | set locals, only providing error in development
37   | res.locals.message = err.message;
38   | res.locals.error = req.app.get('env') === 'development'
39   |     ? err
40   |     : '';
41   | res.status(err.status || 500);
42 });
43
44 // render the error page
45 res.render('error', { message: err.message });
46
47 module.exports = app;
```

routes > JS card_26.js > router.get('/') callback > name

```
1  = require('express');
2  : express.Router();
3
4  page. */
5  /', function(req, res, next) {
6    ['card_demo_26/index', { id: '210410626', name: 'Huang Wei Yi' }];
7
8  'ts = router;
```

JS card_26.js > ...

views > card_demo_26 > < index.ejs > < html > < body > < section.blogs > < div.section-title > < h2 > %> %> <= id %></h2>

```
10  href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css" integrity="sha512-sh512-xh60/CkQoP0WDdyTDqeRdPCVd1SpvCA9XXcUnZS2FmJN" crossorigin="anonymous" referrerPolicy="no-referrer">
11  >
12  <link rel="stylesheet" href="/blog_26.css" />
13  </head>
14  <body>
15  <section class="blogs">
16    <div class="section-title">
17      <h2>%> %> <= id %></h2>
18    </div>
19    <div class="blogs-center2">
20      <article class="blog">
21        
22      </article>
23    </div>
24  </section>
25
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
GET /blog_26.css 304 1.369 ms - -
GET /images/photo-1.jpg 304 1.896 ms - -
GET /images/photo-2.jpg 304 4.642 ms - -
GET /images/photo-3.jpg 304 4.456 ms - -
GET /images/photo-4.jpg 304 3.067 ms - -
GET /images/photo-5.jpg 304 4.283 ms - -
GET /images/photo-6.jpg 304 2.851 ms - -
GET /images/photo-7.jpg 304 2.358 ms - -
GET /images/photo-8.jpg 304 1.538 ms - -
GET /images/photo-9.jpg 304 1.929 ms - -
```

Ln 6, Col 55 Spaces: 4 UTF-8 LF { ↴ JavaScript ⌂ Go Live ⌂ Prettier

W02-P3: database connection to wp2_demo_xx

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

- EXPLORER**: Shows the project structure with a folder named `CARD_DEMO_26` containing files like `bin`, `md`, `node_modules`, `public`, `routes`, `utils`, `database.js`, `views`, and subfolders `card_demo_26` with files `index.ejs`, `error.ejs`, and `index.ejs`.
- CODEVIEW**: The main code editor window showing `database.js`. The code defines a `Pool` object with a `database` configuration set to `'wp2_demo_26'`. A line of code `console.log('connect database', pool.options.database);` is highlighted with a red box.
- TERMINAL**: The bottom terminal window shows the command `utils % node database.js` being run, followed by the output `connect database wp2_demo_26`.
- STATUSBAR**: The status bar at the bottom indicates the current line (Ln 18, Col 1), character count (Spaces: 2), encoding (UTF-8 LF), JSON support, Go Live, Prettier, and other icons.

W02-P4: create table card_xx with 2 data

Browser

wp2_demo_26, postgres@supabase-tku-210410626

Query Query History

```

1 CREATE TABLE card_26 (
2   id int NOT NULL PRIMARY KEY,
3   title varchar(255),
4   descrip varchar(255),
5   category varchar(255),
6   img varchar(255),
7   remote_img varchar(255)
8 )

```

Tables (1)

card_26

Columns (6)

- id
- title
- descrip
- category
- img
- remote_img

CREATE TABLE

Query returned successfully in 399 msec.

Total rows: 0 of 0 | Query complete 00:00:00.399 | Ln 8, Col 2

Microsoft Teams

w02_26.md

```

1 CREATE TABLE card_26 (
2   id int NOT NULL PRIMARY KEY,
3   title varchar(255),
4   descrip varchar(255),
5   category varchar(255),
6   img varchar(255),
7   remote_img varchar(255)
8 )
9
10 INSERT INTO card_26 (id, title, descrip, category, img, remote_img)
11 VALUES
12 (1, 'seven reasons why coffee is awesome', 'Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.', 'coffee brings friendship', 'coffee make you feel good', 'coffee make you calm', '101 tower in Taipei', 'sun rise from the mountain', 'serene lake with trees', 'rocks of queen head in Yehliu Taiwan', 'Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.', 'travel to paris', 'coffee make you feel good', 'coffee make you calm', '101 tower in Taipei', 'sun rise from the mountain', 'serene lake with trees', 'rocks of queen head in Yehliu Taiwan')
13
14
15
16
17
18
19
20
21

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL zsh - utils +

GET /images/photo-2.jpg 304 6.964 ms --
 GET /images/photo-3.jpg 304 8.921 ms --
 GET /images/photo-4.jpg 304 8.914 ms --
 GET /images/photo-5.jpg 304 8.936 ms --
 GET /images/photo-6.jpg 304 2.609 ms --
 GET /images/photo-7.jpg 304 5.235 ms --
 GET /images/photo-8.jpg 304 3.644 ms --
 GET /images/photo-9.jpg 304 3.853 ms --
 GET /favicon.ico 404 2.811 ms - 1083
 ^C
 (base) huangweiyi@huangweiyideMacBook-Pro utils %

pgAdmin 4

public.card_26/wp2_demo_26, postgres@supabase-tku-210410...

Dashboard Properties SQL Statistics Dependencies Dependents Processes

Query Query History

```

1 SELECT * FROM public.card_26
2 ORDER BY id ASC

```

Tables (1)

card_26

Columns (6)

	<input checked="" type="checkbox"/> id	<input checked="" type="checkbox"/> title	<input checked="" type="checkbox"/> descrip	<input checked="" type="checkbox"/> category	<input checked="" type="checkbox"/> img	<input checked="" type="checkbox"/> remote_img
1	1	seven reasons why coffee is awesome	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	coffee brings friendship	coffee make you feel good	coffee make you calm
2	2	travel to paris	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	coffee make you feel good	coffee make you calm	101 tower in Taipei
3	3	coffee brings friendship	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	coffee make you feel good	coffee make you calm	sun rise from the mountain
4	4	coffee make you feel good	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	coffee make you calm	coffee make you feel good	serene lake with trees
5	5	coffee make you calm	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	coffee make you feel good	coffee make you calm	rocks of queen head in Yehliu Taiwan
6	6	101 tower in Taipei	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	sun rise from the mountain	serene lake with trees	rocks of queen head in Yehliu Taiwan
7	7	sun rise from the mountain	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	rocks of queen head in Yehliu Taiwan	rocks of queen head in Yehliu Taiwan	rocks of queen head in Yehliu Taiwan
8	8	rocks of queen head in Yehliu Taiwan	Lorem ipsum dolor sit amet consectetur adipisicing elit. Sunt ut enim eius ratione nisi.	rocks of queen head in Yehliu Taiwan	rocks of queen head in Yehliu Taiwan	rocks of queen head in Yehliu Taiwan

Total rows: 9 of 9 | Query complete 00:00:01.485 | Ln 1, Col 1

W02-P5: 昂card_xx 建立9筆資料，截圖，匯出到 wp2_demo_xx.tar，然後匯入到 wp2_demo2 資料庫中，要能顯示9筆資料

The screenshot shows the pgAdmin 4 interface. On the left, the object browser tree is visible, showing the connection to 'database-tku-210410626' and the schema 'wp2_demo2_26'. In the center, a query window displays the following SQL code:

```
1 SELECT * FROM public.card_26
2 ORDER BY id ASC
```

The results pane shows a table with 9 rows of data:

	id [PK] integer	title character varying (255)	descrip character varying (255)	category character varying (255)	img character varying (255)	remote_img character varying (255)
1	1	seven reasons why coffee is aweso...	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-1.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
2	2	travel to paris	Lorem ipsum dolor sit amet consectetur adipisci...	travel	/images/phot-2.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
3	3	coffee brings friendship	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-3.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
4	4	coffee make you feel good	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-4.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
5	5	coffee make you calm	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-5.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
6	6	101 tower in Taipei	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-6.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
7	7	sun rise from the mountain	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-7.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
8	8	serene lake with trees	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-8.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...
9	9	rocks of queen head in Yehliu Taiwan	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-9.jpg	https://baodkpezbkrextfzgiw.supabase.co/storage/v1/object/public/demo...

At the bottom of the results pane, it says 'Total rows: 9 of 9 Query complete 00:00:02.275 Ln 1, Col 1'.

The screenshot displays the pgAdmin 4 interface for a PostgreSQL database. The left sidebar shows the database structure under 'Servers (1)'. The selected database is 'wp2_demo_26'. The 'Tables (1)' section contains a single table named 'card_26'. The main workspace consists of three panes: 'Query' (containing a SQL query), 'Scratch Pad' (empty), and 'Data Output' (containing a table with 9 rows of data). The 'Data Output' table has columns: id, title, descrip, category, img, and remote_img. The rows represent various posts or images from the 'card_26' table.

	id	title	descrip	category	img	remote_img
1	1	seven reasons why coffee is aweso...	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-1.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
2	2	travel to paris	Lorem ipsum dolor sit amet consectetur adipisci...	travel	/images/phot-2.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
3	3	coffee brings friendship	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-3.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
4	4	coffee make you feel good	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-4.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
5	5	coffee make you calm	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-5.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
6	6	101 tower in Taipei	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-6.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
7	7	sun rise from the mountain	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-7.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
8	8	serene lake with trees	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-8.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...
9	9	rocks of queen head in Yehliu Taiwan	Lorem ipsum dolor sit amet consectetur adipisci...	lifestyle	/images/phot-9.jpg	https://baodkepbkrexzfgw.supabase.co/storage/v1/object/public/demo...