Github repo URL

https://github.com/roberttt456/1102-db2-crown-405416032

Commits on Jun 16, 2022

w16 p2~p4
roberttt456 committed 7 days ago
9ac51ef

w16 p2~p4
roberttt456 committed 7 days ago
91f0a66

w16
roberttt456 committed 7 days ago
8d807b2

w17
roberttt456 committed 7 days ago
8474e4d

Commits on May 25, 2022

w14-p1: save a product to postgreSQL server, show code and new data i... ...
roberttt456 committed 29 days ago
291bcdb

Commits on May 18, 2022

w13-p2 use Postman to test product body data can be retrieved using r... ...
roberttt456 committed on 18 May
dd7c9a3

w13-p1: create controllers for crown2 for MVC architecture
roberttt456 committed on 18 May
40fb5e7

Commits on Apr 24, 2022

mid
roberttt456 committed on 24 Apr
79e2717

mid
roberttt456 committed on 24 Apr
f7dae2e

Commits on Apr 13, 2022

hw
roberttt456 committed on 13 Apr
fc7bc73

w17-p1: create user_xx in postgreSQL server, enter two data, the first one is about your

```
1   INSERT INTO user_32(user_id,name,email)
2   VALUES
3       (1,'黃嘉雄','405416032@gms.tku.edu.tw'),
4       (2,'test','test@gmail.com')
5
6   /*
7   CREATE TABLE user_32(
8       user_id int,
9       name varchar(255),
10      email varchar(255),
11      PRIMARY KEY (user_id)
12  )
13  */
```

INSERT 0 2

Query returned successfully in 123 msec.

w17-p2: create cart_xx in postgreSQL server, enter five data, one for each category

```sql
1  INSERT INTO cart_32(cart_id,user_id,product_id, amount)
2  VALUES
3      (1,1,6,1),
4      (2,1,15,2),
5      (3,1,20,1),
6      (4,1,28,3),
7      (5,1,35,2)
8
9  /*
10 CREATE TABLE cart_32(
11     cart_id int,
12     user_id int REFERENCES user_32 ON DELETE SET NULL ON UPDATE CASCADE,
13     product_id int REFERENCES shop_32 ON DELETE SET NULL ON UPDATE CASCADE,
14     amount int,
15     PRIMARY KEY (cart_id)
16
17 */
```

Data output   Messages   Notifications

INSERT 0 5

Query returned successfully in 51 msec.

Data output   Messages   Notifications

cart_id [PK] integer	user_id integer	product_id integer	amount integer
1	1	6	1
2	1	15	2
3	1	20	1
4	1	28	3
5	1	35	2

w17-p3: give query to get related data for cart info shown in ejs

```
1  I,U.name as user_name , S.name as product_name, price, amount, S.remote_url as image
2  is C ,user_32 as U, shop_32 as S
3  d = U.user_id AND C.product_id = S.id
```

cart_id integer	user_name character varying (255)	product_name character varying (45)	price real	amount integer	image character varying (255)
1	1 黃嘉雄	Brown Brim	25	1	https://i.ibb.co/ZYW3V...
2	2 黃嘉雄	Black Jean Shearling	125	2	https://i.ibb.co/XzcwL...
3	3 黃嘉雄	Adidas NMD	220	1	https://i.ibb.co/0s3pdn...
4	4 黃嘉雄	Blue Tanktop	25	3	https://i.ibb.co/7CQVJ...
5	5 黃嘉雄	Camo Down Vest	325	2	https://i.ibb.co/xJS0T3...

Total rows: 5 of 5   Query complete 00:00:00.048

w17-p4: insert data in order to violate the key constraints, foreign key constraints


```
1   INSERT INTO cart_32(cart_id,user_id,product_id, amount)
2   VALUES
3       (1,3,6,1)
4
5   /*
6   CREATE TABLE cart_32(
7       cart_id int,
8       user_id int REFERENCES user_32 ON DELETE SET NULL ON UPDATE CASCADE,
9       product_id int REFERENCES shop_32 ON DELETE SET NULL ON UPDATE CASCADE,
10      amount int,
11      PRIMARY KEY (cart_id)
12  )
13  */
```

Data output   Messages   Notifications

```
ERROR:  duplicate key value violates unique constraint "cart_32_pkey"
DETAIL:  Key (cart_id)=(1) already exists.
SQL state: 23505
```

```sql
INSERT INTO cart_32(cart_id,user_id,product_id, amount)
VALUES
    (6,3,6,1)

/*
CREATE TABLE cart_32(
    cart_id int,
    user_id int REFERENCES user_32 ON DELETE SET NULL ON UPDATE CASCADE,
    product_id int REFERENCES shop_32 ON DELETE SET NULL ON UPDATE CASCADE,
    amount int,
    PRIMARY KEY (cart_id)
)
*/
```

Data output   Messages   Notifications

ERROR: insert or update on table "cart_32" violates foreign key constraint "cart_32_user_id_fkey"
DETAIL: Key (user_id)=(3) is not present in table "user_32".
SQL state: 23503

crown_32/postgres@PostgreSQL 14

```sql
INSERT INTO cart_32(cart_id,user_id,product_id, amount)
VALUES
    (6,1,5,1)

/*
CREATE TABLE cart_32(
    cart_id int,
    user_id int REFERENCES user_32 ON DELETE SET NULL ON UPDATE CASCADE,
    product_id int REFERENCES shop_32 ON DELETE SET NULL ON UPDATE CASCADE,
    amount int,
    PRIMARY KEY (cart_id)
)
*/
```

Data output   Messages   Notifications

ERROR: insert or update on table "cart_32" violates foreign key constraint "cart_32_product_id_fkey"
DETAIL: Key (product_id)=(5) is not present in table "shop_32".
SQL state: 23503

w17-p5.1: test ON UPDATE CASCASE

	user_id [PK] integer	name character varying (255)	email character varying (255)
1	1	黃嘉雄	405416032@gms.tku.e...
2	5	test	test@gmail.com

```
1  SELECT * FROM public.cart_32
2  ORDER BY cart_id ASC
```

Data output   Messages   Notifications

	cart_id [PK] integer	user_id integer	product_id integer	amount integer
1	1	1	6	1
2	2	1	15	2
3	3	1	20	1
4	4	1	28	3
5	5	1	35	2
6	6	1	6	1
7	7	5	10	1
8	8	5	20	2

w17-p5.2: test ON DELETE SET NULL

	user_id [PK] integer	name character varying (255)	email character varying (255)
1	1	黃嘉雄	405416032@gms.tku.e...
2	5	test	test@gmail.com

	cart_id [PK] integer	user_id integer	product_id integer	amount integer
1	1	1	6	1
2	2	1	15	2
3	3	1	20	1
4	4	1	28	3
5	5	1	35	2
6	6	1	6	1
7	7	[null]	10	1
8	8	[null]	20	2

w17-p6: implement /book_xx/delete/:id

w17-p7: implement /book_xx/update

```
102-db2-crown-405416032 > views > book_32 > edit_32.ejs
index.ejs    w17_32.md    book_32.js    edit_32.ejs

            const results = await db.query(query);
            data = results.rows;
            res.render( view: 'book_32/edit_32', options: {
                id: data[0].id,
                name: data[0].name,
                author: data[0].author,
                price: data[0].price,
            });
        } catch (e) {
            console.log(e);
        }
    });

    router.post( path: '/update', handlers: async (req : Request<P, ResBody, ReqBody, ReqQuery, Locals>, res : Response<ResBody,
        const id = req.body.id;
        const name = req.body.name;
        const author = req.body.author;
        const price = req.body.price;

        try {
            const query = {
                text: `UPDATE book_32 SET name = $1, author =$2, price=$3 WHERE id = $4`,
                values: [id, name, author, price],
            }
            await db.query(query);
            res.redirect( url: '/book_32');
        } catch (e) {
            console.log(e);
        }

    });

    module.exports = router;
```

```
<div class="card-body">
    <form action="/book_32/update" method="post">
        <div class="form-group">
            <input
                type="hidden"
                class="form-control"
                name="id"
                value="<%= id%>"
                autocomplete="off"
            />
        </div>
        <div class="form-group">
            <label>Name:</label>
            <input
                type="text"
                class="form-control"
                name="name"
                value="<%= name%>"
                autocomplete="off"
            />
        </div>
        <div class="form-group">
            <label>Author:</label>
            <input
                type="text"
                class="form-control"
                name="author"
                value="<%= author %>"
                autocomplete="off"
            />
        </div>
        <div class="form-group">
            <label>Author:</label>
            <input
                type="text"
                class="form-control"
                name="price"
                value="<%= price %>"
                autocomplete="off"
            />
        </div>
```

html > body > div.container > div.card > div.card-body > form > div.form-group > input.form-control
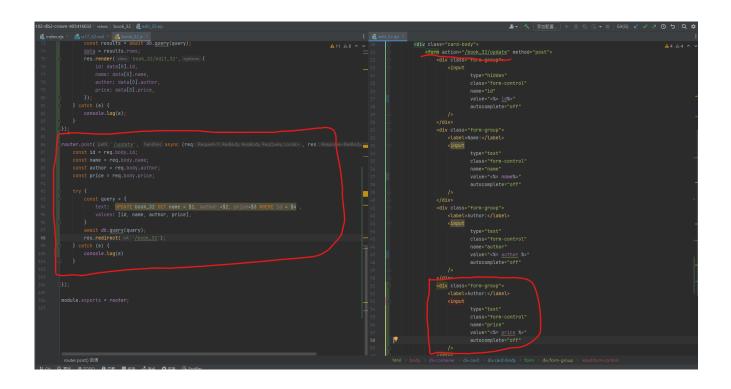
```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-06-06"
9ac51ef  roberttt456      Thu Jun 16 20:20:59 2022 +0800   w16 p2~p4
91f0a66  roberttt456      Thu Jun 16 20:19:22 2022 +0800   w16 p2~p4
8d807b2  roberttt456      Thu Jun 16 19:27:34 2022 +0800   w16
8474e4d  roberttt456      Thu Jun 16 19:26:41 2022 +0800   w17
```