

w14-p1: save a product to postgresQL server, show code and new data in pgAdmin

The screenshot displays three applications used for this task:

- VS Code:** Shows the `controllers.js` file with the `createProducts` function. The function logs the request body and uses `shop_51.create` to save the product to the database. The `shop_51` module is also visible in the file explorer.
- Postman:** Shows a `POST` request to `http://localhost:3000/crown2_51/product_51`. The request body is a JSON object representing a product. The response is a JSON object with product details.
- pgAdmin:** Shows the `shop_51` table in the `public` schema. The table contains the product data saved by the application.

w14-p2: delete a product using route `/product_xx/:id`

The screenshot displays three applications used for this task:

- VS Code:** Shows the `controllers.js` file with the `deleteProduct` function. The function logs the request body and uses `shop_51.deleteById` to delete the product from the database. The `shop_51` module is also visible in the file explorer.
- Postman:** Shows a `DELETE` request to `http://localhost:3000/crown2_51/product_51/50`. The response is a JSON object with a success message.
- pgAdmin:** Shows the `shop_51` table in the `public` schema. The product with ID 50 has been deleted from the table.

w14-p3: update a product using route /product_xx/update/:id

The screenshot displays a development environment with three main components:

- Code Editor (Left):** Shows the `shop_51.js` file with the `update` function highlighted. The function updates a product in the database using `db.query`. Below it, the `deleteById` function is partially visible.
- REST Client (Right):** Shows a POST request to `http://localhost:3000/crown2_51/product_51/update`. The request body is a JSON object:

```
{  "id": "60",  "name": "hat2",  "cat_id": "2",  "price": "219.99",  "remote_url": "https://i.ibb.co/XzcwL5s/black-shearling.png",  "local_url": ""}
```

. The response status is 200 OK, and the body contains a success message and the updated product data.
- Database (Bottom Right):** A pgAdmin window shows the `public.shop_51` table. The table has columns: `id`, `name`, `cat_id`, `price`, `remote_url`, and `local_url`. The data output shows the updated product with `id=60` and `name=hat2`.

w14-LAST-log

git log --pretty=format:"%h%x09%an%x09%ad%x09%" --after="2022-05-24"

```
henry@DESKTOP-FU970NG MINGW64 /d/1102-db2-409411351 (main)
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%" --after="2022-05-23"
378a16d Darkking789    Tue May 24 18:14:36 2022 +0800  update a product using route /product_xx/update/:id
```