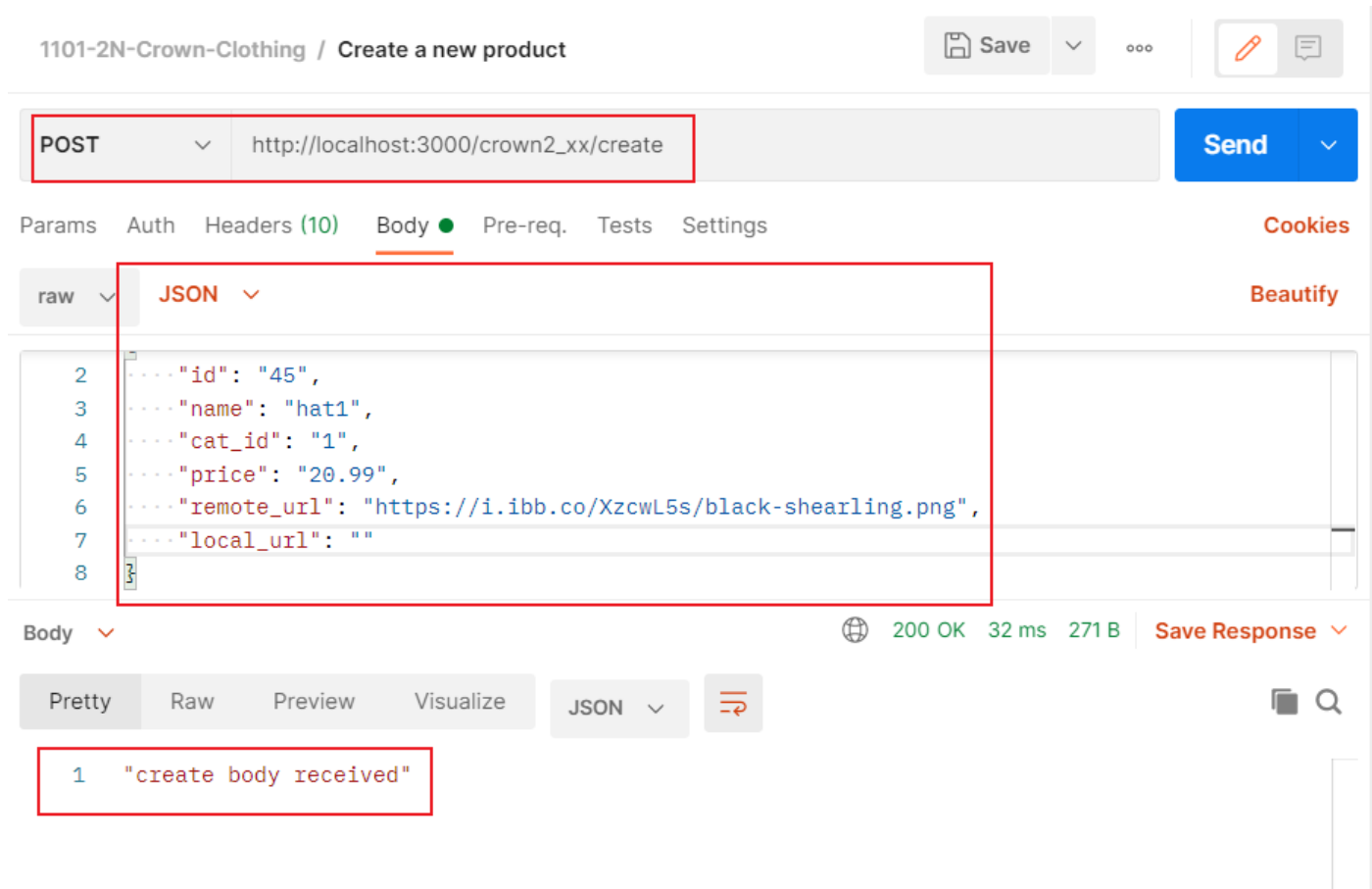


P1: Create json data of a product from Postman, and send it by POST request via route /crown2_xx/create

=> Create a new POST request from Postman with a new json data of product



=> code for handling route /crown2_xx/create with console output

The image shows a VS Code editor with three panels. The left panel shows the `routes` file with a `POST /create` route. The middle panel shows the `controllers` file with a `createProducts` function. The bottom panel shows the terminal output of a `POST` request.

```
routes > crown2_xx.js > ...
You, 24 minutes ago | 2 authors (You and others)
1 var express = require('express');
2 var router = express.Router();
3 const crown2Controller_xx = require('../controllers/crown_xx
4
5 /* CREATE */
6 router.post('/create', crown2Controller_xx.createProducts)];
7
8
9 /* READ */
10 router.get('/', crown2Controller_xx.getCategories);
11 router.get('/shop_xx', crown2Controller_xx.getShop);
12 router.get('/shop_xx/:category', crown2Controller_xx.getProd
13
14 /* UPDATE */
15
16 /* DELETE */
17
18
19
20 module.exports = router;
```

```
controllers > crown_xx > crown2Controller_xx.js > ...
You, 7 minutes ago | 2 authors (htchung and others)
1 const serviceCrown2Controller_xx = require('./serviceCrown2C
2
3 /* CREATE*/
4 exports.createProducts = async (req, res) => {
5   console.log('body', req.body);
6   res.json('create body received')
7
8 }
9
10 /* READ */
11
12 You, 6 minutes ago * Uncommitted changes
13 exports.getCategories = async (req, res) => {
14   try {
15     let results = await serviceCrown2Controller_xx.getCatego
16     console.log('results', JSON.stringify(results));
17     res.render('crown_xx/crown2_xx', {
18       data: results,
19       title: 'Crown2_xx',
20       name: 'Hsingtai Chung',
21       id: '123456789',
22     });
23   } catch (error) {
24     console.log('error', error);
25   }
26 }
```


```
TERMINAL PROBLEMS 8 OUTPUT DEBUG CONSOLE
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node ./bin/www`
Server listening on port 3000
body {
  id: '45',
  name: 'hat1',
  cat_id: '1',
  price: '20.99',
  remote_url: 'https://i.ibb.co/Xzcm5s/black-shearling.png',
  local_url: ''
}
POST /crown2_xx/create 200 14.025 ms - 22
```

P2: Create code for creating a product, and verify

=> crown2Controller code

```
Js crown2_xx.js M  Js crown2Controller_xx.js M X  Js serviceCrown2Controll  You, 2 minutes ago | 2 authors (htchung and others)
controllers > crown_xx > Js crown2Controller_xx.js > createProducts > createProducts
1  const serviceCrown2Controller_xx = require('./serviceCrown2Controller_xx')
2
3  /* CREATE*/
4  exports.createProducts = async (req, res) => {
5      console.log('body', req.body);
6      //res.json('create body received')
7
8      try {
9          let results = await serviceCrown2Controller_xx.create(req.body);
10         console.log('results', JSON.stringify(results));
11         res.json('data: {msg: creating success}');
12     } catch (err){
13
14     }
15
16 }
17
18 /* READ */
19
20 exports.getCategories = async (req, res) => {
21     try {
22         let results = await serviceCrown2Controller_xx.getCategories();
23         console.log('results', JSON.stringify(results));
```

=> serviceController code

```
rollers > crown_xx >  serviceCrown2Controller_xx.js > ...  
You, 12 minutes ago | 2 authors (htchung and others)  
const Category_xx = require('../../models/crown_xx/Category_xx');  
const Shop_xx = require('../../models/crown_xx/Shop_xx');  
  
// CREATE  
  
exports.create = async (body) => {  
  try {  
    return await Shop_xx.create(body);  
  } catch(err){  
    console.log('create', err);  
  }  
}  
  
You, 12 minutes ago • Uncommitted changes  
// READ
```

=> model Shop_xx code

```
JS crown2Controller_xx.js M JS Shop_xx.js M X
models > crown_xx > JS Shop_xx.js > [e] Shop_xx > create
You, 10 minutes ago | 2 authors (htchung and others)
1  const db = require('../../utils/database');
2
3  const Shop_xx = class Shop_xx {
4    constructor(id, name, cat_id, price, remote_url, local_url) {
5      this.id = id;
6      this.name = name;
7      this.cat_id = cat_id;
8      this.price = price;
9      this.remote_url = remote_url;
10     this.local_url = local_url;
11   }
12
13
14   // CREATE
15   static async create(body) {
16     const {id, name, cat_id, price, remote_url, local_url} = body;
17     const query = {
18       text: `INSERT INTO shop_xx (id, name, cat_id, price, remote_url, local_url)
19         VALUES ($1, $2, $3, $4, $5, $6)`,
20       values: [id, name, cat_id, price, remote_url, local_url]
21     };
22     return db.query(query);
23   }
24
```

=> Postman request, json data and result

Overview POST Creat... [DELETED] GE POST Creat... + ... No Environment

1101-2N-Crown-Clothing / Create a new product Save ...

POST http://localhost:3000/crown2_xx/create Send

Params Auth Headers (10) Body Pre-req. Tests Settings Cookies

raw JSON Beautify

```
1 {
2   "id": "45",
3   "name": "hat1",
4   "cat_id": "1",
5   "price": "20.99",
6   "remote_url": "https://i.ibb.co/XzcwL5s/black-shearling.png",
7   "local_url": ""
8 }
```

Body Cookies Headers (8) Test Results 200 OK 115 ms 280 B Save Response

Pretty Raw Preview Visualize JSON

```
1 "data: {msg: creating success}"
```

=> Verify by pgAdmin

pgAdmin 4

- Schemas (1)
 - public
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Procedures
 - Sequences
 - Tables (2)
 - category_xx
 - shop_xx
 - Columns (6)
 - id
 - name
 - cat_id
 - price
 - remote_url
 - local_url

SQL Query:

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

Data Output Explain Messages Notifications

	id	name	cat_id	price	remote_url	local_url
29	34	white blouse	4	20	https://i.ibb.co/qbcrsJg/white-vest.png	/img/womens/white-vest.png
30	35	Camo Down Vest	5	325	https://i.ibb.co/xJS0T3Y/camo-vest.png	/img/mens/camo-vest.png
31	36	Floral T-shirt	5	20	https://i.ibb.co/qMQ75QZ/floral-shirt.png	/img/mens/floral-shirt.png
32	37	Black & White Longsleeve	5	25	https://i.ibb.co/55z32tw/long-sleeve.png	/img/mens/long-sleeve.png
33	38	Pink T-shirt	5	25	https://i.ibb.co/RvwnBL8/pink-shirt.png	/img/mens/pink-shirt.png
34	39	Jean Long Sleeve	5	40	https://i.ibb.co/VpW4x5t/roll-up-jean-shirt.png	/img/mens/roll-up-jean-shirt.png
35	40	Burgundy T-shirt	5	25	https://i.ibb.co/mh3VM1f/polka-dot-shirt.png	/img/mens/polka-dot-shirt.png
36	45	hat1	1	20.99	https://i.ibb.co/XzcwL5s/black-shearling.png	