



Département de Génie Informatique et Communication
Department of Information and Communication Engineering

Topic : TP12

CRUD APIs, Mongoose, Admin Dashboard

Subject : Internet Programming

Teacher : Mr. Hok Tin

Name : YORNG TONGHY

ID : e20191313

Group : I4-GIC-C

Year : 2022-2023

Table of Contents

Exercise 1: Express JS	3
- CRUD APIs for Price.....	3
- Create Price	3
-Get Price.....	3
-Update Price.....	4
-Delete Price	4
Exercise 2: VueJS.....	5
o Login View	5
o Management.....	5
- Category.....	5
- Sub Category.....	6
- Product	6
o Creation.....	7
- Category.....	7
- Sub-Category	7
- Product	8
o Update	8
- Category.....	8
- Sub Category.....	9
- Product	9
o Delete.....	10
- Category.....	10
- Sub Category.....	10
- Product	11

Github Link: <https://github.com/yorng-tonghy/IP-TP08-TP09-TP10-TP11-TP12/tree/TP12>

Exercise 1: Express JS

Create APIs for Product Price

- CRUD APIs for Price

- Create Price

The screenshot shows a Postman request for a POST method to the URL `http://localhost:3001/price/create`. The request body is a JSON object:

```
1   {  
2     "product": "648834933593cc9da74ae270",  
3     "price": 1,  
4     "source": "ABC"  
5   }
```

The response status is 200 OK, with a response body containing a single document:

```
1 {  
2   "_id": "64981cf3cd2f1f264e0b7f28",  
3   "product": "648834933593cc9da74ae270",  
4   "price": 1,  
5   "source": "ABC",  
6   "createdAt": "2023-06-25T18:54:43.620Z",  
7   "updatedAt": "2023-06-25T18:54:43.620Z",  
8   "__v": 0  
9 }
```

-Get Price

The screenshot shows a Postman request for a GET method to the URL `http://localhost:3001/price/all`. The response status is 200 OK, with a response body containing an array of documents:

```
1 [  
2   {  
3     "_id": "64916ca657d8335c3b0789ea",  
4     "product": "648838a3214af236a483d628",  
5     "price": 1600,  
6     "source": "DEF",  
7     "createdAt": "2023-06-20T09:08:54.782Z",  
8     "updatedAt": "2023-06-20T09:08:54.782Z",  
9     "__v": 0  
10 },  
11   {  
12     "_id": "6497ccb83e30e4db7bd4e2a1",  
13     "product": "64883bcf1214af236a483d62a",  
14     "price": 1500,  
15     "source": "ABC",  
16     "createdAt": "2023-06-25T05:12:24.729Z",  
17     "updatedAt": "2023-06-25T05:12:24.729Z",  
18     "__v": 0  
19 },  
20   {  
21     "_id": "6497cd693e30e4db7bd4e2e3",  
22     "product": "6497cd573e30e4db7bd4e2e0",  
23     "price": 200,
```

-Update Price

+Before Update

```
{  
  "_id": "64981d23cd2f1f264e0b7f2c",  
  "product": "648834933593cc9da74ae270",  
  "price": 3,  
  "source": "ABC",  
  "createdAt": "2023-06-25T10:55:31.609Z",  
  "updatedAt": "2023-06-25T10:55:31.609Z",  
  "__v": 0  
}
```

+ After Update

A screenshot of the Postman application interface. The top bar shows a POST request to `http://localhost:3001/price/update`. The 'Body' tab is selected, showing a JSON payload:

```
1  {  
2   ... "id" : "64981d23cd2f1f264e0b7f2c",  
3   ... "product" : "648834933593cc9da74ae270",  
4   ... "price" : "300",  
5   ... "source" : "ABC"
```

The 'Tests' tab contains the following code:

```
1  if(response.status === 200){  
2     console.log("Price updated successfully")  
3  } else {  
4     console.error("Failed to update price")  
5  }
```

The 'Pretty' tab shows the response body:

```
1  {  
2   "success": true,  
3   "data": {  
4     "_id": "64981d23cd2f1f264e0b7f2c",  
5     "product": "648834933593cc9da74ae270",  
6     "price": 300,  
7     "source": "ABC",  
8     "createdAt": "2023-06-25T10:55:31.609Z",  
9     "updatedAt": "2023-06-25T10:58:22.595Z",  
10    "__v": 0  
11  }  
12 }
```

The status bar at the bottom right indicates: Status: 200 OK Time: 40 ms Size: 714 B Save Response.

-Delete Price

A screenshot of the Postman application interface. The top bar shows a POST request to `http://localhost:3001/price/delete/64981d23cd2f1f264e0b7f2c`. The 'Body' tab is selected, showing an empty JSON payload:

```
1  {}
```

The 'Tests' tab contains the following code:

```
1  if(response.status === 200){  
2     console.log("Price deleted successfully")  
3  } else {  
4     console.error("Failed to delete price")  
5  }
```

The 'Pretty' tab shows the response body:

```
1  {  
2   "success": true,  
3   "data": {  
4     "acknowledged": true,  
5     "deletedCount": 1  
6   }  
7 }
```

The status bar at the bottom right indicates: Status: 200 OK Time: 26 ms Size: 567 B Save Response.

Exercise 2: VueJS

Design basic admin dashboard to manage a dynamic website

- Login View



- Management

- Category

A screenshot of a web application showing a category management interface. The header bar is dark grey with the text "Admin Dashboard" on the left and "INSTITUTE.COM" on the right. The main area has a light grey background. On the left, there is a sidebar with three buttons: "Category", "Sub Category", and "Product". On the right, there is a table titled "Category" with a "New +" button at the top right. The table has columns: "No", "Name", "Owner", "Created", and "Action". It lists five rows of data:

No	Name	Owner	Created	Action
1	Accessories	ADMIN	June 26, 2023	
2	Laptops	ADMIN	June 26, 2023	
3	PC COMPONENT	ADMIN	June 26, 2023	
4	Phone	ADMIN	June 26, 2023	
5	Tablet	ADMIN	June 26, 2023	

At the bottom left of the sidebar is a "Logout" button.

- Sub Category

Admin Dashboard

inseaw.com

Category
Sub Category
Product

Sub Category					
--------------	--	--	--	--	--

New +

No	Name	Category	Owner	Created	Action
1	Mouse Pads	Accessories	ADMIN	June 26, 2023	
2	Chargers & Power Adapters	Accessories	ADMIN	June 26, 2023	
3	Mobile Phone Accessories	Accessories	ADMIN	June 26, 2023	
4	Speakers & Portable Player	Accessories	ADMIN	June 26, 2023	
5	Storage	Accessories	ADMIN	June 26, 2023	
6	Motherboard	PC COMPONENT	ADMIN	June 26, 2023	
7	Gaming laptop	Laptops	ADMIN	June 26, 2023	
8	CPU	PC COMPONENT	ADMIN	June 26, 2023	
9	Ultrabooks	Laptops	ADMIN	June 26, 2023	
10	GRAPHIC CARD	PC COMPONENT	ADMIN	June 26, 2023	
11	RAM	PC COMPONENT	ADMIN	June 26, 2023	
12	Notebook	Laptops	ADMIN	June 26, 2023	
13	Iphone	Phone	ADMIN	June 26, 2023	

Logout

- Product

Admin Dashboard

inseaw.com

Category
Sub Category
Product

Sub Category					
--------------	--	--	--	--	--

New +

No	Name	Category	Owner	Created	Action
1	Mouse Pads	Accessories	ADMIN	June 26, 2023	
2	Chargers & Power Adapters	Accessories	ADMIN	June 26, 2023	
3	Mobile Phone Accessories	Accessories	ADMIN	June 26, 2023	
4	Speakers & Portable Player	Accessories	ADMIN	June 26, 2023	
5	Storage	Accessories	ADMIN	June 26, 2023	
6	Motherboard	PC COMPONENT	ADMIN	June 26, 2023	
7	Gaming laptop	Laptops	ADMIN	June 26, 2023	
8	CPU	PC COMPONENT	ADMIN	June 26, 2023	
9	Ultrabooks	Laptops	ADMIN	June 26, 2023	
10	GRAPHIC CARD	PC COMPONENT	ADMIN	June 26, 2023	
11	RAM	PC COMPONENT	ADMIN	June 26, 2023	
12	Notebook	Laptops	ADMIN	June 26, 2023	
13	Iphone	Phone	ADMIN	June 26, 2023	

Logout

- Creation

- Category

Admin Dashboard

No	Name	Created	Action
1	Accessories	June 26, 2023	
2	Laptops	June 26, 2023	
3	PC COMPONENT	June 26, 2023	
4	Phone	June 26, 2023	
5	Tablet	June 26, 2023	

New +

- Sub-Category

Admin Dashboard

No	Name	Category	Owner	Created	Action
1	Mouse Pad	Smart Phone	ADMIN	June 26, 2023	
2	Chargers	Smart Phone	ADMIN	June 26, 2023	
3	Mobile Phone	Smart Phone	ADMIN	June 26, 2023	
4	Speakers & Portable Player	Accessories	ADMIN	June 26, 2023	
5	Storage	Accessories	ADMIN	June 26, 2023	
6	Motherboard	PC COMPONENT	ADMIN	June 26, 2023	
7	Gaming laptop	Laptops	ADMIN	June 26, 2023	
8	CPU	PC COMPONENT	ADMIN	June 26, 2023	
9	Ultrabooks	Laptops	ADMIN	June 26, 2023	
10	GRAPHIC CARD	PC COMPONENT	ADMIN	June 26, 2023	
11	RAM	PC COMPONENT	ADMIN	June 26, 2023	
12	Notebook	Laptops	ADMIN	June 26, 2023	
13	Iphone	Phone	ADMIN	June 26, 2023	

New +

- Product

The screenshot shows the Admin Dashboard interface. On the left, there is a sidebar with three buttons: 'Category', 'Sub Category', and 'Product'. The main area has a title 'New Product' with a close button 'X'. It contains fields for 'Product name' (LG G3), 'Category' (LG), and 'Sub Category' (LG). Below these are two tables. The first table lists products with columns 'No', 'Name', and 'Description'. The second table lists products with columns 'Owner', 'Created', and 'Action'. Both tables have a 'New +' button at the top right. A 'Logout' button is at the bottom.

No	Name	Description
1	Asus Rog Strix	
2	Asus Rog Strix	
3	Razer Firefly	
4	CORSAIR	
5	Razer Sphere	
6	JOKO PowerBank A24L 50000mAh	Accessories
7	Power bank BY22A	Accessories
8	Phone Case LIXUEYING Retro Mini TV	Accessories

Owner	Created	Action
ADMIN	June 26, 2023	

o Update

- Category

The screenshot shows the Admin Dashboard interface. On the left, there is a sidebar with three buttons: 'Category', 'Sub Category', and 'Product'. The main area has a title 'Edit Category / Accessories' with a close button 'X'. It contains a field for 'Category name' (Accessories). Below it is a table with columns 'No', 'Name', and 'Created'. The table has a 'New +' button at the top right. A 'Logout' button is at the bottom.

No	Name	Created	Action
1	Accessories	June 26, 2023	
2	Laptops	June 26, 2023	
3	PC COMPONENTS	June 26, 2023	
4	Phone	June 26, 2023	
5	Tablet	June 26, 2023	
6	Smart Phone	June 26, 2023	

- Sub Category

Admin Dashboard

No	Name	Category	Action
1	Mouse Pads	Accessories	
2	Chargers	Accessories	
3	Mobile Phone Accessories	Accessories	
4	Speakers & Portable Player	Accessories	
5	Storage	Accessories	
6	Motherboard	PC COMPONENT	
7	Gaming laptop	Laptops	
8	CPU	PC COMPONENT	
9	Ultrabooks	Laptops	
10	GRAPHIC CARD	PC COMPONENT	
11	RAM	PC COMPONENT	
12	Notebook	Laptops	
13	Iphone	Phone	

[Logout](#)

- Product

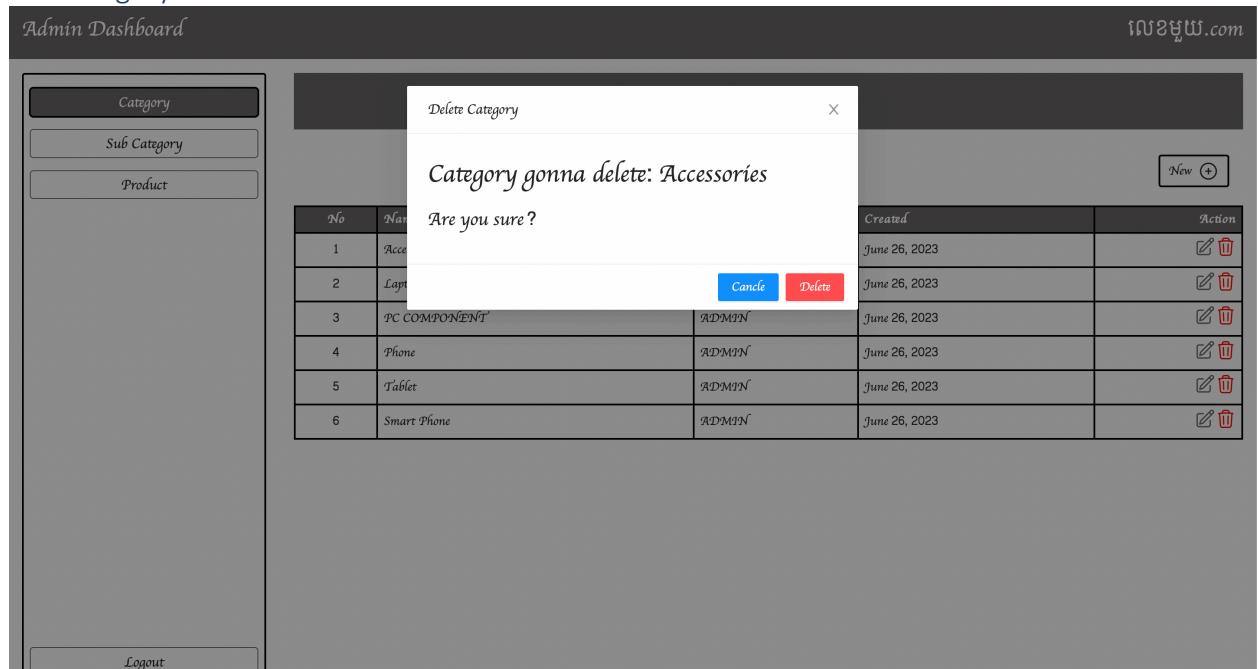
Admin Dashboard

No	Name	Category	Action
1	Asus Rog Strix	Phone	
2	Asus Rog Strix	Phone	
3	Razer Firefly	Phone	
4	CORSAIR K	Phone	
5	Razer Spirex	Phone	
6	JOKO PowerBank A24L 50000mAh	Accessories	
7	Power bank BY22A	Accessories	
8	Phone Case LIXUEYING Retro Mini TV	Accessories	

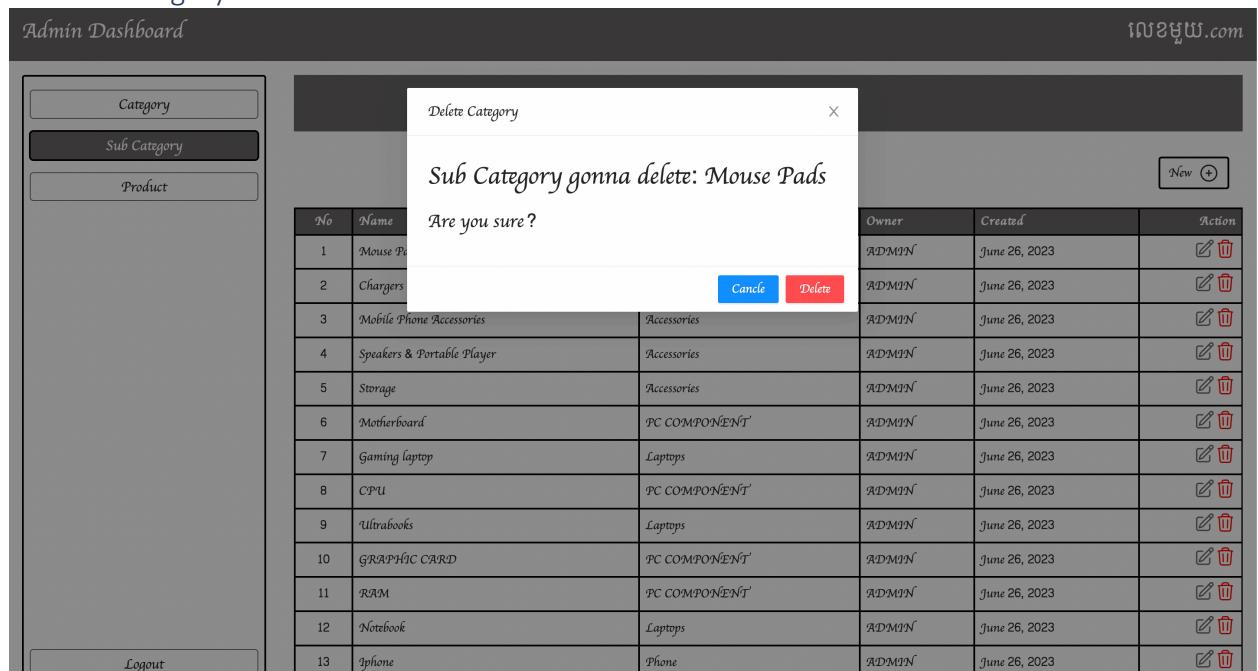
[Logout](#)

- o Delete

- Category



- Sub Category



- Product

Admin Dashboard

INSTITUTE OF TECHNOLOGY CAMBODIA

Delete Product

X

Product gonna delete: CORSAIR MM100

Are you sure?

No Name

No	Name	Category	Sub Category	Action	
1	Asus Rog Strix	Accessories	Mouse Pads		
2	Asus Rog Strix	Accessories	Chargers & Power Adapters		
3	Razer Firefly	Accessories	Chargers & Power Adapters		
4	CORSAIR MM100	Accessories	Mobile Phone Accessories		
5	Razer Sphex V2	Accessories	Mouse Pads		
6	JOKO PowerBank A24L 50000mAh	Accessories	Chargers & Power Adapters		
7	Power bank BY22A	Accessories	Chargers & Power Adapters		
8	Phone Case LIXUEYING Retro Mini TV	Accessories	Mobile Phone Accessories		

New +

Cancel Delete

Logout