**CHARBEL JABBOUR WAKILNI ASSESSMENT**

First, I want to thank you for this opportunity and I hope you find my work interesting!

Quick notes before the screenshots:

1. I completed the assignment but I couldn't do the Edit part. I kept the code of me trying to do it (PUT in PHP and ModalEditComponent in react) plus I struggled with Search (but also kept the code) on the items page but did it on the products page. If I had a little more time, I could've made it work.
2. Everything in this project I worked on 100% (including designs)
3. When you add a product or an item you need to either load the page or click on showAll to see the added components.
4. I worked on the project Sunday, Monday, and Tuesday. Unfortunately, I couldn't work on it on Saturday due to an emergency.
5. Some fields I regret naming the way that I did and edit would've probably worked if I named the fields correctly.

Products page:
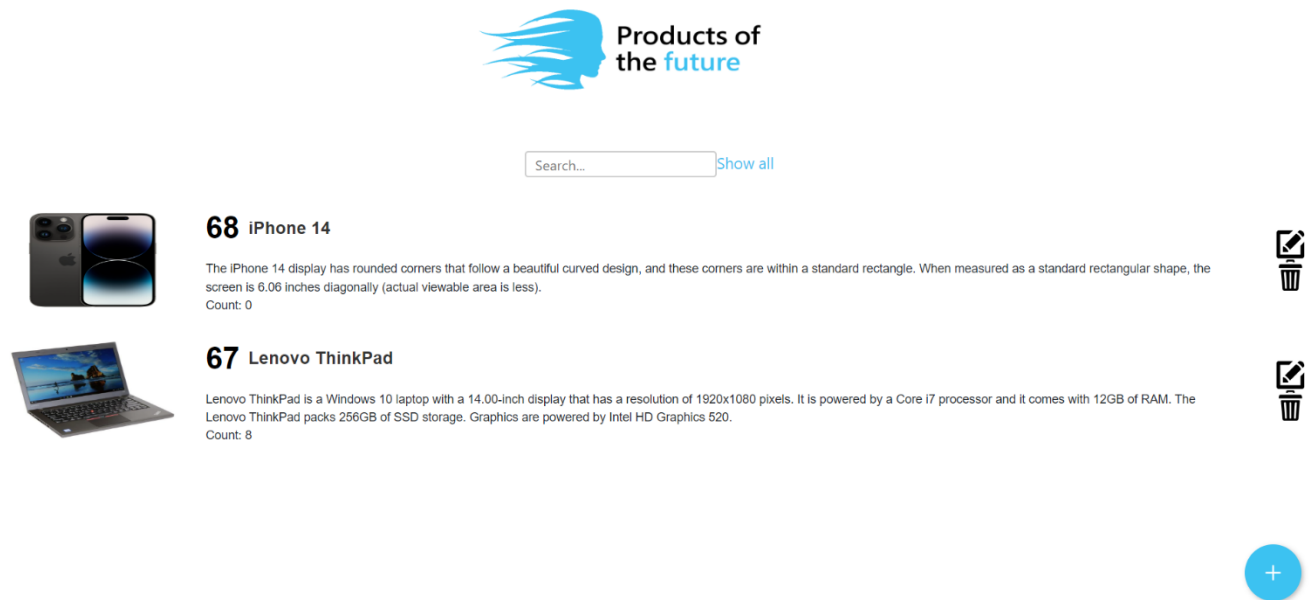
This is the products page. Functionalities:

1. Clicking on the logo (Products of the future) will allow you to return to this page (refresh).
2. Clicking on any row will go to the items page.
3. Clicking on the plus will open a modal (clicking on save will add a new product):
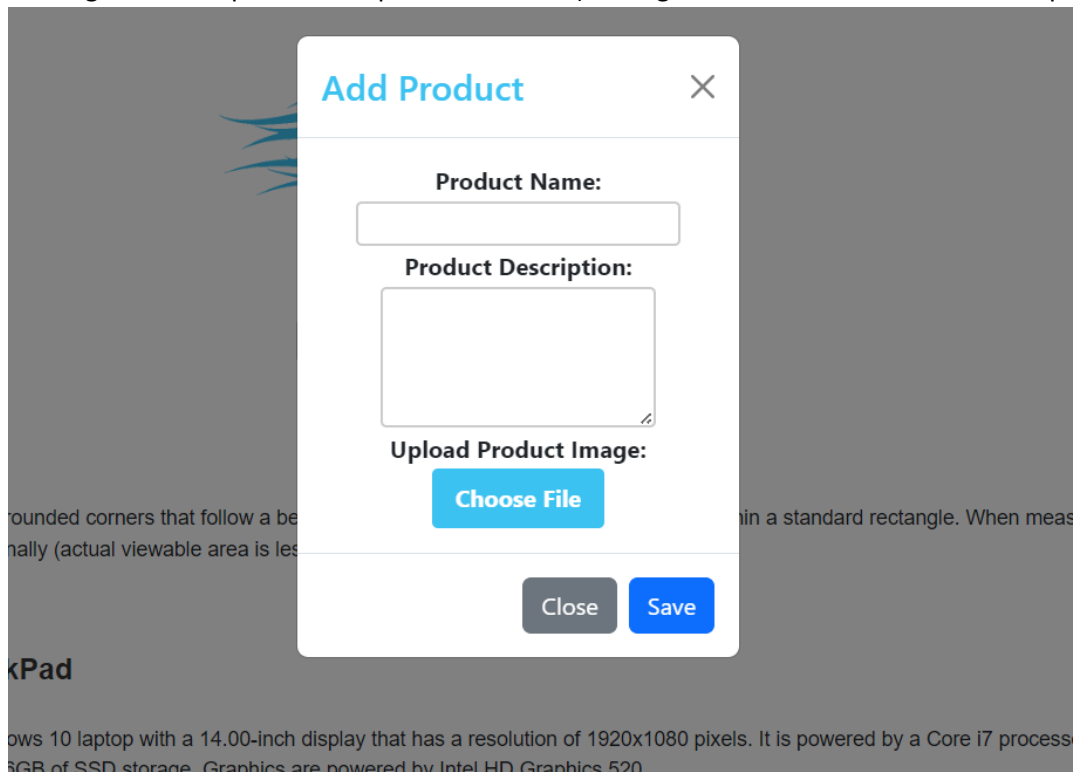
Add Product ✕

Product Name:

Gaming mouse - razor

Product Description:

Customizable
Wireless Gaming
Mouse with Razer

Upload Product Image:

File has been added

Close   Save

I added the information and clicked save then it'll show in the table on the product page (check next image). (note that if the user didn't fill the fields a warning will show telling them

Please enter all fields! ✕

Products of the future

Search...   Show all

68 iPhone 14

The iPhone 14 display has rounded corners that follow a beautiful curved design, and these corners are within a standard rectangle. When measured as a standard rectangular shape, the screen is 6.06 inches diagonally (actual viewable area is less).
Count: 0

67 Lenovo ThinkPad

Lenovo ThinkPad is a Windows 10 laptop with a 14.00-inch display that has a resolution of 1920x1080 pixels. It is powered by a Core i7 processor and it comes with 12GB of RAM. The Lenovo ThinkPad packs 256GB of SSD storage. Graphics are powered by Intel HD Graphics 520.
Count: 8

73 Gaming mouse - razor

Customizable Wireless Gaming Mouse with Razer HyperScroll Tilt Wheel
Count: 0

←T→					id	product_type_name	product_image	count	product_description
☐	🖉 Edit	⯐ Copy	⊖ Delete		68	iPhone 14	[BLOB - 97.1 KiB]	0	The iPhone 14 display has rounded corners that fol...
☐	🖉 Edit	⯐ Copy	⊖ Delete		67	Lenovo ThinkPad	[BLOB - 28.7 KiB]	8	Lenovo ThinkPad is a Windows 10 laptop with a 14.0...
☐	🖉 Edit	⯐ Copy	⊖ Delete		73	Gaming mouse - razor	[BLOB - 151.6 KiB]	0	Customizable Wireless Gaming Mouse with Razer Hype...

This is the table product_type (the count is 0 when we create the product).

4. The user can remove a product by clicking the right trash icon.

5. The user can edit the product by clicking on the right icon (a popup will appear with the information). **This functionality is not completed.**
6. The user can search for products by writing the name of the product:

When the user writes the dropdown will automatically show the names of the product that matches (Here I added another product named iPhone 13 to show you this example) and when the user clicks on a product the list will disappear and only the product clicked on will show.
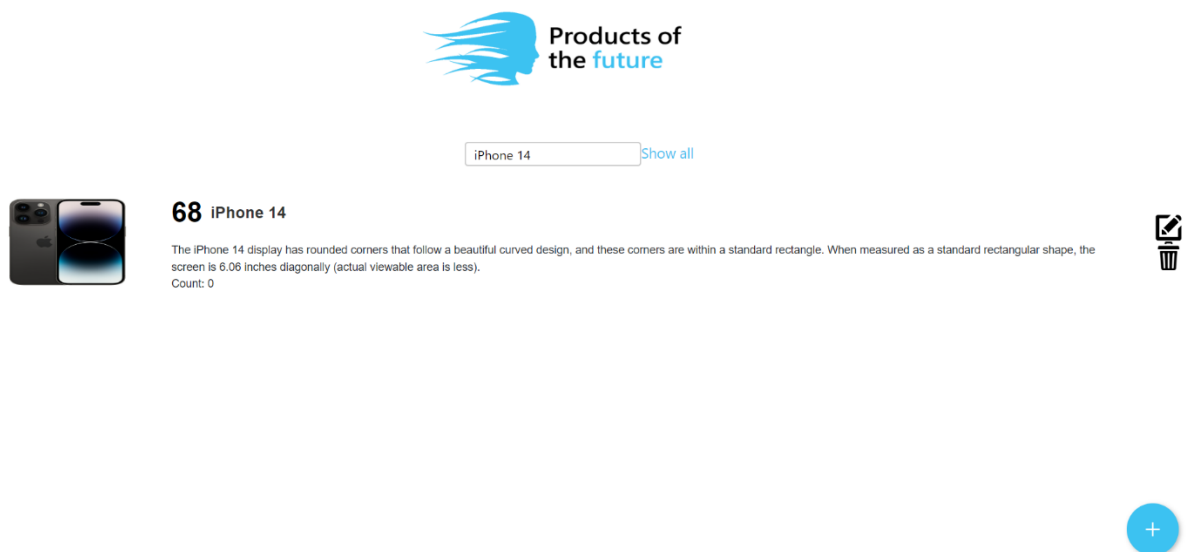
7. Clicking on the show All text will get all the products.
8. The user can click on the product row to access the items screen of the product (when the user hovers over a product the background will turn light grey to let them know that the product is clickable)

Products of the future

#	SerialNumber	Sold	Tools
27	67495149214	☐	🗑
26	512335212351	☐	🗑
25	51232152153215	☑	🗑
28	34221551	☐	🗑
29	54124514	☑	🗑
30	5321523	☐	🗑
31	5412512	☑	🗑
32	3421421	☐	🗑

Before I start with the functionalities, I want to talk about the SQL of this page:

				id	serialNumber	sold	productId
☐	🖉 Edit	Copy	⊖ Delete	27	67495149214	0	67
☐	🖉 Edit	Copy	⊖ Delete	26	512335212351	0	67
☐	🖉 Edit	Copy	⊖ Delete	24	523461616	1	68
☐	🖉 Edit	Copy	⊖ Delete	25	51232152153215	1	67

As you can see this table has a foreign key to the product table (productid). When this page opens and we want to get the items, we check the id of the product that was clicked on in the product page then we add all the items matching this id to the table.

Functionalities:

1. Clicking on the logo (Products of the future) will allow you to return to the products page.
2. The plus button will open a popup screen to add a new item:
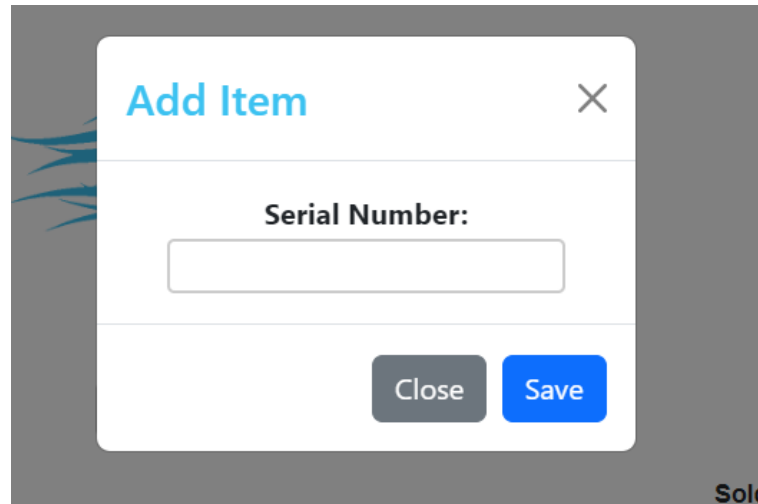
The user will write in the input serialNumber and click save and the information will be added to the database and it'll increment the count of the product.

3. Clicking on the right trash icon will immediately delete the item and it'll decrement the count of the product (if sold=0(false) and if sold=1(true) we will not decrement the count).
4. Clicking on the checkbox automatically decrement the count and a box that's been checked cannot be unchecked.

These are all the functionalities of the assessment. I hope you will find my work nice and professional with neat codes.

Thank you for this opportunity.

Charbel Jabbour