

## Assignment # 3

**Due Date Thursday, March 25, 2021 @11: 59 PM**

In this Assignment, you will **build a supermarket product management app that persists data offline**. You will use IndexedDB and Localbase library to read, add, update, and delete products in the database.

The **Product Management App should** have the following CRUD features:

1. **Create Product:** when the user clicks on the **create new product** button in figure 1, you should open the add product page in figure 2 that allows the user to add a new product. Once they click on the **save** button, you should navigate them to the product page and show the newly added Product, as shown in figure



### Read Products



*Figure 1: Product Page - Before adding any product*



### Create Product

|  |   |
|--|---|
| Name   | <input type="text" value="Ninja Sticker"/>                        |
| Description  | <input type="text" value="The best Ninja sticker in the world."/> |
| Price  | <input type="text" value="9.99"/>                                 |
| <input type="button" value="Save"/> <input type="button" value="Back to read products"/> |   |

*Figure 2: Add Product page*



### Read Products

| <input type="button" value="Create New Product"/> |               |                                      |        |                                     |   |
|---|---------------|--------------------------------------|--------|-------------------------------------|---|
| ID  | Name          | Description                          | Price  | Action                              |   |
| 9   | Ninja Sticker | The best Ninja Sticker in the world. | \$9.99 | <input type="button" value="Read"/> | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |

*Figure 3: Product Page - After adding Product*

2. **List Products:** as soon as the application loads, you show all the products saved in the database in a table, as shown in figure 4.

## Read Products

Create New Product

| ID | Name          | Description                             | Price   | Action   |
|----|---------------|---|---------|--|
| 9  | Ninja Sticker | The best Ninja Sticker in the world.    | \$9.99  | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 8  | Pillow        | Sleeping well is important.             | \$8.99  | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 7  | Earphone      | You need this one if you love music.    | \$7     | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 6  | Mouse         | Very useful if you love your computer.  | \$11.35 | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 5  | Trash Can     | It will help you maintain cleanliness.  | \$3.95  | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 4  | Eye Glasses   | It will make you read better.           | \$6     | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 3  | Gatorade      | This is a very good drink for athletes. | \$1.99  | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 1  | Basketball    | A ball used in the NBA.                 | \$49.99 | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |

Figure 4: Products page

- Edit Products:** If the user clicks on the edit product button, you should take the selected product details to allow the user to update the information of the selected Product, as shown in Figure 5.

## Update Product

|             |  |
|-------------|--|
| Name        | <input type="text" value="Ninja Sticker EDITED"/>                  |
| Description | <input type="text" value="The best Ninja Sticker in the world."/>  |
| Price       | <input type="text" value="9.99"/>                                  |
|             | <a href="#">Save Changes</a> <a href="#">Back to read products</a> |

Figure 5 Update Product

4. **Delete Product:** Delete the selected Product from the database and reload the page.

The screenshot shows a web application interface for 'Doha - Supermarket'. The top navigation bar has three tabs: 'Products' (selected), 'Add Product', and an unlabeled tab. Below the navigation bar, there is a 'Read Products' section with a 'Create New Product' button. A table displays the following products:

| ID | Name                 | Description                          | Price  | Action   |
|----|----------------------|--------------------------------------|--------|--|
| 9  | Ninja Sticker EDITED | The best Ninja Sticker in the world. | \$9.99 | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 8  | Pillow               | Sleeping well is important.          | \$8.99 | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |
| 7  | Earphone             | You need this one if you love music. | \$7    | <a href="#">Read</a> <a href="#">Edit</a> <a href="#">Delete</a> |

A confirmation dialog box is open, asking 'Are you sure?' with 'OK' and 'Cancel' buttons. The dialog box title is 'localhost says:'.

After you complete the Assignment, fill in the **TestingDoc-Grading-Sheet.docx** and save it inside the **Assignment3** folder. Push your work to the Github repository.