Lab 10: React

Objective(s):

1. Learn Handling Events
2. Conditional Rendering
3. Learn Lists & Keys
4. Learn Forms
5. Learn Hooks
6. Learn Routing
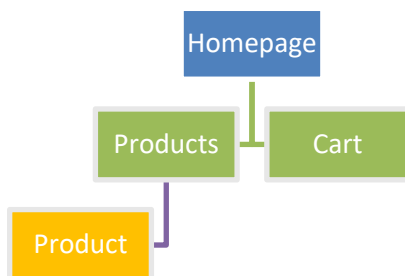
Lab Task(s):

Exercises

1. Create an app and complete following steps:

   - Install Semantic UI toolkit

   - Import Semantic UI Stylesheet

   - Create Products component and show products from mock data file

     o Load data from `mock_data.json` file (available on lms)

     o Create `Product` component showing name and price of the product

     o Use `Product` component in `Products` page for displaying products

   - Create "Shopping Cart" component

     o Initialize shopping cart state as follows

```
{
    "items": [
        {
            "name": "...",
            "price": ...
        }
    ],
    "total": ...
```

1

```
}
```

- Implement "Add to Cart" functionality
  - Add a click handler to the button with shopping cart icon which will send the selected product
  - It should update the number of items in the cart shown on the top right corner
- Implement "Remove from Cart" functionality
  - Send selected product
  - It should update the number of items in the cart shown on the top right corner
  - It should update the total amount
- Implement React routes
  - Install react-router-dom
  - Add the navbar with links (Products, Shopping Cart) at the top of the page in a Homepage component
  - Apply routes

Note: Maintain state in the Homepage component. Following Hierarchy of components is recommended. Cart & Products page should be separated.

2. Create an app that involves radio buttons, a checkbox, a select dropdown, a textarea & other form controls. You can model it after this form for ordering a pizza or make up something on your own.

Pizza Pepperoni

£13.00

Quick, Easy and Delicious- special thin crust and tomato sauce has never been easier-and this recipe for pepperoni pizza produces a delicious classic!

select your toppings*

Chicken (£0.00)   pork (£0.00)   vegetable (£0.00)

£0.00

Select your filling*

| Chicken | ▼ |

Select your pizza crust*

| select your pizza crust | ▼ |

Do you like adding Cheese ?
○ Cheez
○ no cheez

£0.00

select your pizza size*
○ small
○ Regular
○ Large

£0.00

Additional Notes

Any special instructions

Name

Your Phone Number

Email address

Pick up Date

Pickup Time

Total: £13.00

| 1 | Add to cart |

Category: pizza