

## Exercise Description :

Your goal is to create an application that retrieves the customer and transaction data from a provided API endpoint and displays it in a user-friendly format.

The App should have the following features :

- A table that displays the list of customers along with their transaction data .
- The ability to filter the table by customer name or transaction amount .
- A graph that displays the total transaction amount per day for the selected customer .

## Requirements :

- Use a modern javascript Framework or library such as React, Angular, or Vue.js .
- Use any charting library to display the graph .
- Setup a local server to host the JSON data .
- Use the below data as an API . Please fill free to add data in the transaction dataset JSON for demonstration purposes .
- Create a new repo on your GitHub for your project , add your code to the repo and enable GitHub pages for your repo to host the application .

```
{  
  "customers": [  
    {  
      "id": 1,  
      "name": "Ahmed Ali"  
    },  
    {  
      "id": 2,  
      "name": "Aya Elsayed"  
    },  
  ],  
}
```

```
{
  "id": 3,
  "name": "Mina Adel"
},
{
  "id": 4,
  "name": "Sarah Reda"
},
{
  "id": 5,
  "name": "Mohamed Sayed"
}
],
"transactions": [
  {
    "id": 1,
    "customer_id": 1,
    "date": "2022-01-01",
    "amount": 1000
  },
  {
    "id": 2,
    "customer_id": 1,
    "date": "2022-01-02",
    "amount": 2000
  },
  {
    "id": 3,
    "customer_id": 2,
    "date": "2022-01-01",
    "amount": 550
  },
  {
    "id": 4,
    "customer_id": 3,
    "date": "2022-01-01",
    "amount": 500
  },
  {
    "id": 5,
```

```
        "customer_id": 2,  
        "date": "2022-01-02",  
        "amount": 1300  
    },  
    {  
        "id": 6,  
        "customer_id": 4,  
        "date": "2022-01-01",  
        "amount": 750  
    },  
    {  
        "id": 7,  
        "customer_id": 3,  
        "date": "2022-01-02",  
        "amount": 1250  
    },  
    {  
        "id": 8,  
        "customer_id": 5,  
        "date": "2022-01-01",  
        "amount": 2500  
    },  
    {  
        "id": 9,  
        "customer_id": 5,  
        "date": "2022-01-02",  
        "amount": 875  
    }  
]  
}
```