Problem Statement

Assume that you are sharing a flat with your friend or some other person and you share the various bills like cooking, electricity, Bike Maintenance(maybe), Rent, etc. Each time either of you will pay the amount. You are keeping note of the expenses and at the end of the period of sharing a flat, the person who spent an excess amount shall pay the other. All this process is done manually as on date.
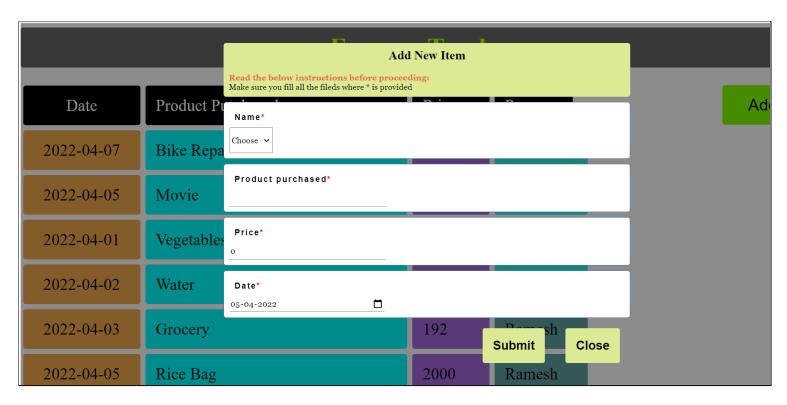
Being a techie, you have observed this problem and thought of making the process digital to an extent in the first version of the application. Your main goals to accomplish are,
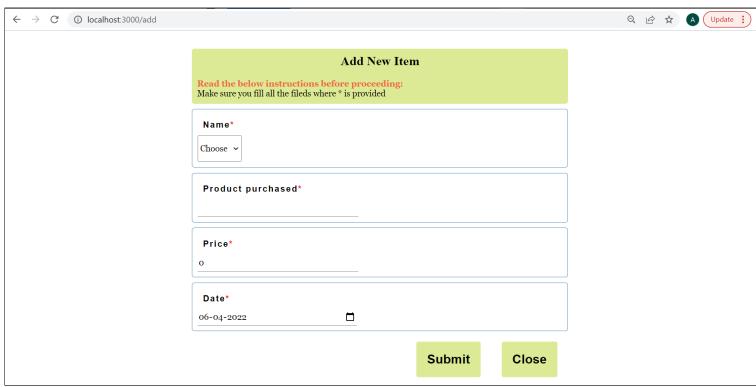
1. To create a json-server which can store the data for future use.
2. Make sure every input has an id and the user should not manually insert the id for the data.
3. To create a GUI structure where the data from json-server can be seen.
4. To create a GUI structure where you can fill the details needed to store in the server.
5. At the end of the data retrieved from server, show Total spent, person A spent, Person B spent, who pays to whom and how has to be paid by them at any given time.
6. View the Add new Item Form separately with the react router dom.

See the Image below for your reference

Expense Tracker

Date	Product Purchased	Price	Payee	Add
2022-04-07	Bike Repair	1000	Rahul	
2022-04-05	Movie	1044	Rahul	
2022-04-01	Vegetables	366	Ramesh	

Total:	2410
Rahul paid:	2044
Ramesh paid:	366
Pay Rahul	1678

Date	Product P...			Ad...
2022-04-07	Bike Repa...			
2022-04-05	Movie			
2022-04-01	Vegetables			
2022-04-02	Water			
2022-04-03	Grocery	192	Ramesh	
2022-04-05	Rice Bag	2000	Ramesh	

Add New Item

Read the below instructions before proceeding:
Make sure you fill all the fileds where * is provided

Name*
Choose ▾

Product purchased*

Price*
o

Date*
05-04-2022

Submit   Close

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localhost:3000/add   Update ⋮

Add New Item

Read the below instructions before proceeding:
Make sure you fill all the fileds where * is provided

Name*
Choose ▾

Product purchased*

Price*
o

Date*
06-04-2022

Submit   Close

Future Developments:

1. Create a functionality where you can select a particular month data
2. Restrict the usage of the date of the previous month.
3. Create Login functionality.
4. Restrict server update of previous month.
   ……
   ……

Rubrics:

1. Form validation with pushing data to server - 10 Marks
2. Retrieval of all the data from json server - 5 Marks
3. Responsive web page coding standards, GUI, use of react router - 5 Marks