Until now, we are just hardcoding the expense data

```
Expenses.js — react-complete-guide
        Expenses.css
                           JS Expenses.js X JS ExpenseDate.js
                                                                ExpenseDate.css
src > components > Expenses > ⋅ Expenses.js > ♦ Expenses
       function Expenses(props) {
        const [FilteredYear, setFilteredYear] = useState("2022");
        const filterChangeHandler=(year)=>{
           setFilteredYear(year);
            <Card className="expenses">
              <ExpenseFilter selected={FilteredYear} onFilterChange={filterChange</pre>
                title={props.items[0].title}
                 amount={props.items[0].amount}
                 date={props.items[0].date}
                title={props.items[1].title}
                 amount={props.items[1].amount}
                 date={props.items[1].date}
                title={props.items[2].title}
                 amount={props.items[2].amount}
                date={props.items[2].date}
 32
            </Card>
          </div>
```

• Instead of doing this, we want it to be dynamic

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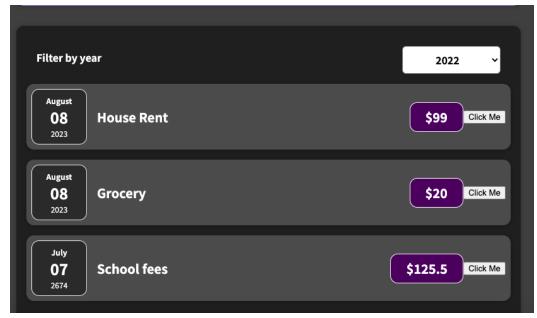
How can we render list of items dynamically in JSX?

```
JavaScript Demo: Array.map()

1  const array1 = [1, 4, 9, 16];
2  // pass a function to map
4  const map1 = array1.map(x => x * 2);
5  console.log(map1);
7  // expected output: Array [2, 8, 18, 32]
8
```

NOTE: in react, when a list of components are given in JSX, then it renders each of the component in the list side by side

- Here in line 18 we have a {, this is for using js logic in JSX, here we are using js syntax for list, so we are using {}.
- And in line 19 we have a list, which has 3 components, so it renders it side by side.



Now Using these 2 concepts, we can render the list of items dynamically

```
3.// reactj3.vrg/ txnk/react-devicot3
                                                        Expenses.js:14
props.items
▼ (3) [{...}, {...}, {...}] 🚺
  ▶ 0: {id: 'e1', title: 'House Rent', amount: 99, date: Tue Aug 29 20
  ▶ 1: {id: 'e2', title: 'Grocery', amount: 20, date: Wed Aug 02 2023
  ▶ 2: {id: 'e3', title: 'School fees', amount: 125.5, date: Wed Jul 0
   length: 3
  ▶ [[Prototype]]: Array(0)
after map
                                                        Expenses.js:15
▼ (3) [{...}, {...}, {...}] 🖪
  ▶ 0: {$$typeof: Symbol(react.element), key: null, ref: null, props:
  ▶ 1: {$$typeof: Symbol(react.element), key: null, ref: null, props:
  ▶ 2: {$$typeof: Symbol(react.element), key: null, ref: null, props:
   length: 3
  ▶ [[Prototype]]: Array(0)
```

- Here props.items is a list of expense item details
- After map function, it is creating an another list which contains a list of components

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