- 17. Statefull lists(updating the Expenses list when new expense item is added)
 - Until now, in app.js we have a static list

```
App.js
          X Js Expenseltem.js
                                   s ExpenseFilter.js

∃ ExpenseFilter.css

                                                                             Js NewExpense.js
src > JS App.js > 分 App > [❷] addExpenseHandler
       function App() {
        const expenses = [
          { id:"e1", title: "House Rent", amount: 99.0, date: new Date(2023, 7, 29) },
          { id:"e2", title: "Grocery", amount: 20, date: new Date(2023, 7, 2) },
          { id:"e3", title: "School fees", amount: 125.5, date: new Date(2023, 7818) },
        const addExpenseHandler=(expenseData)=>{
          console.log("in app.js",expenseData);
 12
                                       ~/Documents/Data/React/react-complete-guide/src
            <NewExpense onAddExpense={addExpenseHandler} >
            <Expenses items={expenses} />
      export default App;
```

- Here we are just console logging the newly entered data from other component
- Instead of console.log we have to update the expenses list so that it should display the new list in our page
- For this, let us have a initial list,

0

```
App.js X Expenseltem.js ExpenseFilter.js ExpenseFilter.css NewExpense.js

src App.js > ...

import Expenses from './components/Expenses/Expenses';

import NewExpense from './components/NewExpense/NewExpense'

INITIAL_EXPENSES=[

id:"e1", title: "House Rent", amount: 99.0, date: new Date(2023, 7, 29) },

id:"e2", title: "Grocery", amount: 20, date: new Date(2023, 7, 2) },

id:"e3", title: "School fees", amount: 125.5, date: new Date(2023, 7818) },

function App() {

const expenses = [

id:"e1", title: "House Rent", amount: 99.0, date: new Date(2023, 7, 29) },

fid:"e1", title: "House Rent", amount: 99.0, date: new Date(2023, 7, 29) },
```

Now let us, create a state variable to hold a list,

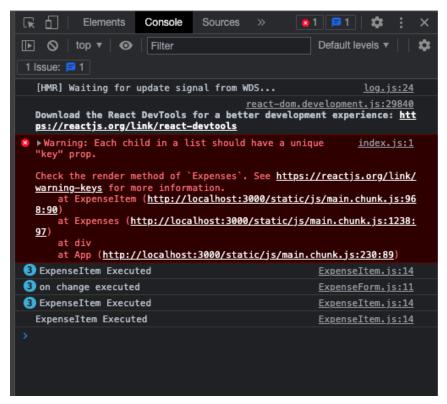
```
JS App.js X JS Expenseltem.js
                               s ExpenseFilter.js
                                                   ExpenseFilter.css
                                                                         Js NewExpens
src > Js App.js > ♦ App
      let INITIAL_EXPENSES=[
      { id:"e1", title: "House Rent", amount: 99.0, date: new Date(2023, 7, 29) },
        { id:"e2", title: "Grocery", amount: 20, date: new Date(2023, 7, 2) },
       { id:"e3", title: "School fees", amount: 125.5, date: new Date(2023, 7818) },
      function App() {
      %// ];
        const [expenses, setExpenses] = useState(INITIAL_EXPENSES);
 17
        const addExpenseHandler=(expenseData)=>{
        console.log("in app.js",expenseData);
            <NewExpense onAddExpense={addExpenseHandler} >
            <Expenses items={expenses} />
          </div>
```

 Now instead of logging the newly entered expense item, we have to update the state variable

As we seen earlier, this is the proper method to update the state variable because react just schedules the state change, so to keep the data shown in frontend consistent we need to use the latest snapshot of the state.

NOTE:

■ It may not work properly if we haven't done this yet



■ So let us add key, while rendering the list

```
Expenses, is — react-complete-guide

| ExpenseFilter.css | NewExpense|s | Expenses | Exp
```