

## 16.State Hooks part-2

```
9  const ExpenseItem=(props)=> {
10
11    const [title,setTitle]=useState(props.title);
12
13    const clickHandler =()=>{
14      setTitle("updated title");
15      console.log("current title="+title);
16    }
17
18    return (
19      <Card className="expense-item">
20        <ExpenseDate date={props.date} ></ExpenseDate>
21        <div className="expense-item__description">
22          <h2>{title}</h2>
23          <div className="expense-item__price">${props.amount}</div>
24        </div>
25        <button onClick={clickHandler} >Click Me</button>
26      </Card>
27    );
28  }
```

- Here for the expenseltem component, we have used the useState method, which will create separate state variable for each expenseitem component
- For e.g:

```
src > components > Expenses > Expenses.js > Expenses
7  const Expenses=(props)=> {
8    return (
9      <Card className="expenses">
10        <ExpenseItem
11          title={props.items[0].title}
12          amount={props.items[0].amount}
13          date={props.items[0].date}
14        ></ExpenseItem>
15
16        <ExpenseItem
17          title={props.items[1].title}
18          amount={props.items[1].amount}
19          date={props.items[1].date}
20        ></ExpenseItem>
21
22        <ExpenseItem
23          title={props.items[2].title}
24          amount={props.items[2].amount}
25          date={props.items[2].date}
26        ></ExpenseItem>
27
28        <ExpenseItem
29          title={props.items[3].title}
30          amount={props.items[3].amount}
31          date={props.items[3].date}
32        ></ExpenseItem>
33      </Card>
34    );
35  }
```

- Here we have used four expenseltem component, each component has its own state variable

- If one one state variable changes then that particular component only will be re-evaluated and rendered again

```

10
11   const [title, setTitle]=useState(props.title);
12

```

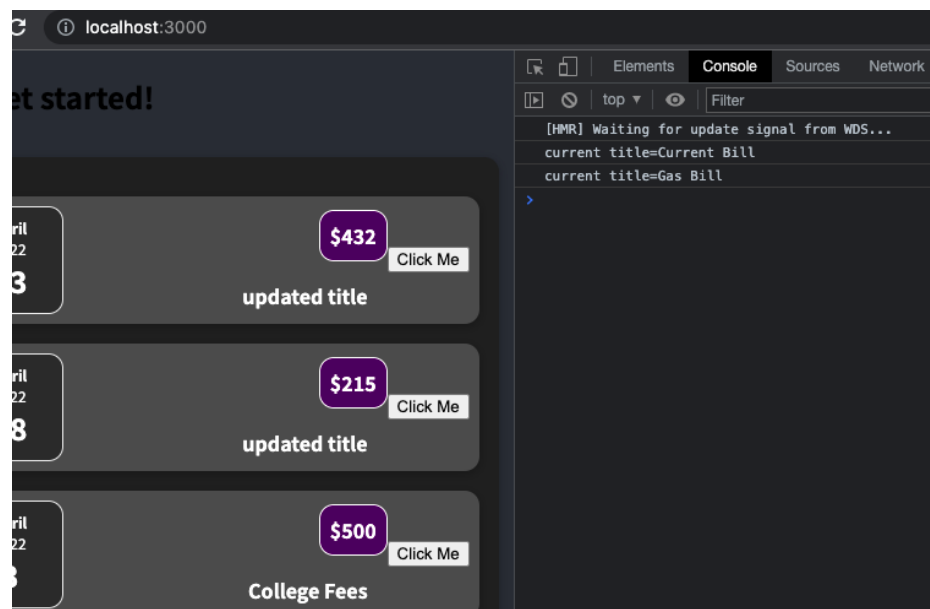
- Here we have used const, but we are changing the title value
- How it still works?
- Const variable would have failed only if we had used '=' sign for updating, instead we are using the setTitle function for updating the value
- In the last lecture we had a doubt at last

```

9  const ExpenseItem=(props)=> {
10
11    const [title, setTitle]=useState(props.title);
12
13    const clickHandler =()=>{
14      setTitle("updated title");
15      console.log("current title="+title);
16    }
17
18    return (
19      <Card className="expense-item">
20        <ExpenseDate date={props.date} ></ExpenseDate>
21        <div className="expense-item__description">
22          <h2>{title}</h2>
23          <div className="expense-item__price">${
24            props.price
25          }</div>
26          <button onClick={clickHandler} >Click Me</button>
27        </div>
28      </Card>
29    );
30

```

- 



- 

- When the button is clicked, then line 25 triggers clickhandler(line 13)

- Clickhandler calls the setTitle method and then we print the title in console, but it prints the old title why?
  - This was our doubt
  - The answer is:
  - When the button is clicked, clickhandler will be called, this will call the setTitle method, **the setTitle method tells react to manage the state variable and tells that the next value is 'updated title' but it doesn't change the title right way it just schedules it, it will be changed only when the expense item component is called next time**
  - So when setTitle is called it tells that this is the next value and the rest of the function code executes (here console.log(title)) which prints the current title (which is not yet changed) and now the component function is again re-evaluated and that time the line 11 (useState()) asks to give the latest value/next value of the title which I told to manage earlier.
    - But you may ask, when the component or useState executed for the first time there will be no latest value managed there but how can it get the value
    - React keeps track of useState for the very first time, initially it takes the initial value of the variable which is specified inside the parentheses of useState().
    - It will look for the latest value only when the component function is re-evaluating.