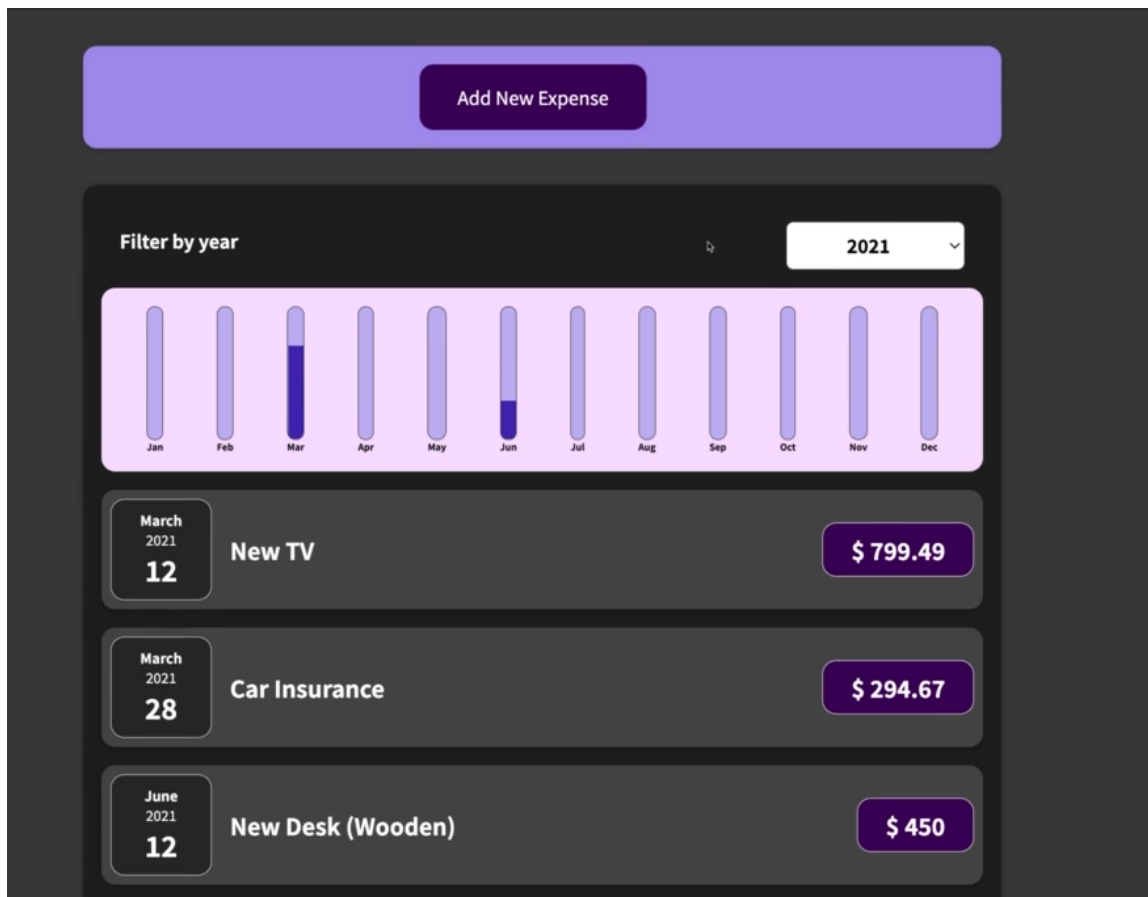
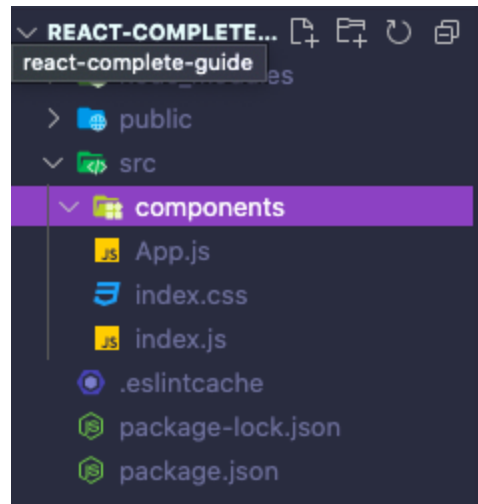


3. Custom Components



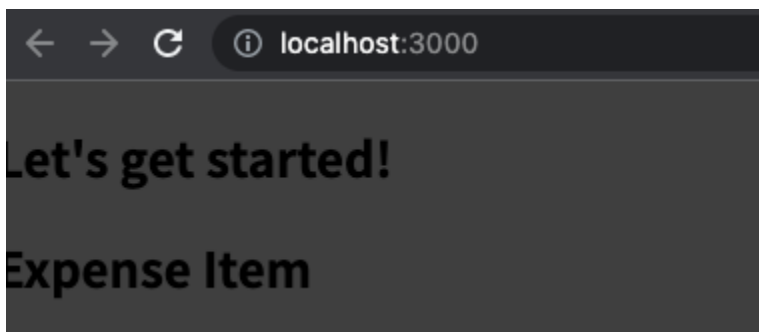
- This is the final app, but before building this we can split it into several components and we can work upon
 - Here the top most tab is one component and the entire box containing year filter that month box and each expense item box
 - And each tubes are components
 - Each date box is a component
 - each expense item itself can be a component
- Let us build our custom component
 - First let us create a separate folder for our components



-
- Let us keep both index.js and App.js component outside the components folder because index.js is the default js file given by react and app.js is the root component that we built, this is the component which is rendered at the outer level all other components that we are going to built will be nested inside this root component.
- Note: in react, the html syntax we are using in js file is known as JSX, react will identify whether an element is default element or custom component by only seeing the first letter of the tag, if it is lowercase then it is default html tag, if it starts with uppercase letter then it is custom component, so let us create a function with a name that starts with uppercase for custom components and it is better name the file as same as the function(component) name.

```
index.js index.html App.js ExpenseItem.js X
src > components > ExpenseItem.js > [e] default
1 function ExpenseItem(){
2   return <h2>Expense Item</h2>
3 }
4
5 export default ExpenseItem;
```

```
index.js index.html App.js X ExpenseItem.js
src > App.js > ...
1 import ExpenseItem from "../components/ExpenseItem";
2
3 function App() {
4
5   return (
6     <div>
7       <h2>Let's get started!</h2>
8       <ExpenseItem></ExpenseItem>
9     </div>
10   );
11 }
12
13 export default App;
14
```



- Now let us see a complex example

```
index.js index.html App.js ExpenseItem.js 1 X
src > components > ExpenseItem.js > [e] default
1 function ExpenseItem(){
2   return <div>13 March 2022</div> <div>Car insurance</div> <div>$234.59</div>
3 }
4
5 export default ExpenseItem;
```

```
Failed to compile.

./src/components/ExpenseItem.js
SyntaxError: /Users/Harsha/Documents/Data/React/react-complete-guide/src/components/ExpenseItem.js: Adjacent JSX elements must be wrapped in an enclosing tag. Did you want a JSX fragment <...>? (2:36)

   1 | function ExpenseItem(){
>  2 |   return <div>13 March 2022</div> <div>Car insurance</div> <div>$234.59</div>
      |                                     ^
   3 | }
   4 |
   5 | export default ExpenseItem;
```

-
- We cannot return more than one div in the outer level of that particular component so we should wrap everything into one div and then return it

```
index.js  index.html  App.js  ExpenseItem.js x

src > components > ExpenseItem.js > ...
1  function ExpenseItem() {
2    return (
3      <div>
4        <div>13 March 2022</div>
5        <div>Car insurance</div>
6        <div>$234.59</div>
7      </div>
8    );
9  }
10
11  export default ExpenseItem;
12
```

○

```
localhost:3000

Let's get started!

13 March 2022
Car insurance
$234.59
```

○