

Page: Todos.js

```
1  import React from "react";
2
3  import Todo from "../components/Todo";
4  import * as TodoActions from "../actions/TodoActions";
5  import TodoStore from "../stores/TodoStore";
6
7  export default class Todos extends React.Component {
8    constructor() {
9      super();
10     this.getTodos = this.getTodos.bind(this);
11     this.state = {
12       todos: TodoStore.getAll(),
13       newTodo: ""
14     };
15   }
16
17   componentWillMount() {
18     TodoStore.on("change", this.getTodos);
19   }
20
21   componentWillUnmount() {
22     TodoStore.removeListener("change", this.getTodos);
23   }
24
25   getTodos() {
26     this.setState({
27       todos: TodoStore.getAll(),
28     });
29   }
30
31   reloadTodos() {
32     TodoActions.reloadTodos();
33   }
34
35   // Start Anna Code
36   addTodo(e) {
37     console.log("??");
38     e.preventDefault();
39     TodoActions.createTodo(this.state.newTodo);
40     this.setState({newTodo: ""});
41   }
42
43   handleChange(e) {
44     this.setState({newTodo: e.target.value});
45   }
46   // End Anna Code
47
48   render() {
49     const { todos } = this.state;
50
51     const TodoComponents = todos.map((todo) => {
52       return <Todo key={todo.id} {...todo}/>;
53     });
54
55     const customUl = {
56       listStyle: "none",
57       paddingLeft: "0"
58     };
59
60     const headerStyling = {
61       fontFamily: "Roboto",
62       color: "#3C1053",
63       marginBottom: "20px"
64     };
65
66     const formStyling = {
67       paddingBottom: "10px"
68     };
69
70     const standardButton = {
71       borderRadius: "10px",
72       borderStyle: "none",
73       padding: "3px 15px 3px 15px",
74       fontFamily: "Roboto",
75       backgroundColor: "#765786",
76       color: "#FFF"
77     };
78
79     return (
80       <div>
81         <h1 style={headerStyling}>A List of things To Do</h1>
82         <form style={formStyling}>
83           <input style={inputStyling} type="text" value={this.state.newTodo} onChange={this.handleChange.bind(this)}/>
84           <button style={standardButton} Click={this.addTodo.bind(this)}>Add New</button>
85         </form>
86         <ul style={customUl}>{TodoComponents}</ul>
87       </div>
88     );
89   }
90 }
91 }
```

Store: TodoStore.js

```
1  import { EventEmitter } from "events";
2
3  import dispatcher from "../dispatcher";
4
5  class TodoStore extends EventEmitter {
6    constructor() {
7      super();
8      this.todos = [
9        {
10          id: 113464613,
11          text: "Go Shopping",
12          complete: true
13        },
14        {
15          id: 235684679,
16          text: "Pay Water Bill",
17          complete: false
18        },
19      ];
20    }
21
22    createTodo(text) {
23      const id = Date.now();
24
25      this.todos.push({
26        id,
27        text,
28        complete: false,
29      });
30      // this.emit("change");
31    }
32
33    deleteTodo(id) {
34      this.todos = this.todos.filter((entry) => {
35        return entry.id !== id;
36      });
37      // this.emit("change");
38    }
39
40    getAll() {
41      return this.todos;
42    }
43
44    handleActions(action) {
45      switch(action.type) {
46        case "CREATE_TODO": {
47          this.createTodo(action.text);
48          this.emit("change");
49          break;
50        }
51        case "RECEIVE_TODOS": {
52          this.todos = action.todos;
53          this.emit("change");
54          break;
55        }
56        case "DELETE_TODO": {
57          this.deleteTodo(action.id);
58          this.emit("change");
59          break;
60        }
61      }
62    }
63  }
64
65  const todoStore = new TodoStore;
66  dispatcher.register(todoStore.handleActions.bind(todoStore));
67
68  export default todoStore;
```

Actions: TodoActions.js

```
1  import dispatcher from "../dispatcher";
2
3  export function createTodo(text) {
4    dispatcher.dispatch({
5      type: "CREATE_TODO",
6      text,
7    });
8  }
9
10 export function deleteTodo(id) {
11   dispatcher.dispatch({
12     type: "DELETE_TODO",
13     id,
14   });
15 }
16
17 export function reloadTodos() {
18   // axios("http://someurl.com/somedataendpoint").then((data) => {
19     // console.log("got the data!", data);
20     // })
21   // dispatcher.dispatch({type: "FETCH_TODOS"});
22   dispatcher.dispatch({type: "RECEIVE_TODOS", todos: [
23     {
24       id: 8484848484,
25       text: "Go Shopping Again",
26       complete: false
27     },
28     {
29       id: 6262627272,
30       text: "Hug Wife",
31       complete: true
32     },
33   ]});
34 }
```