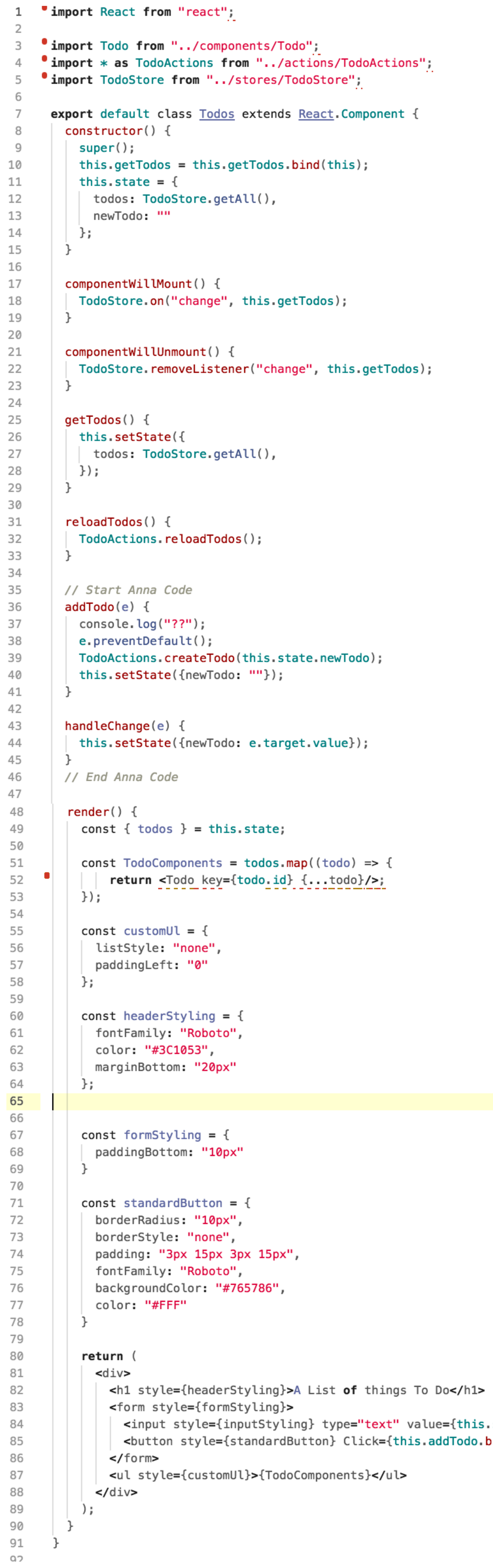
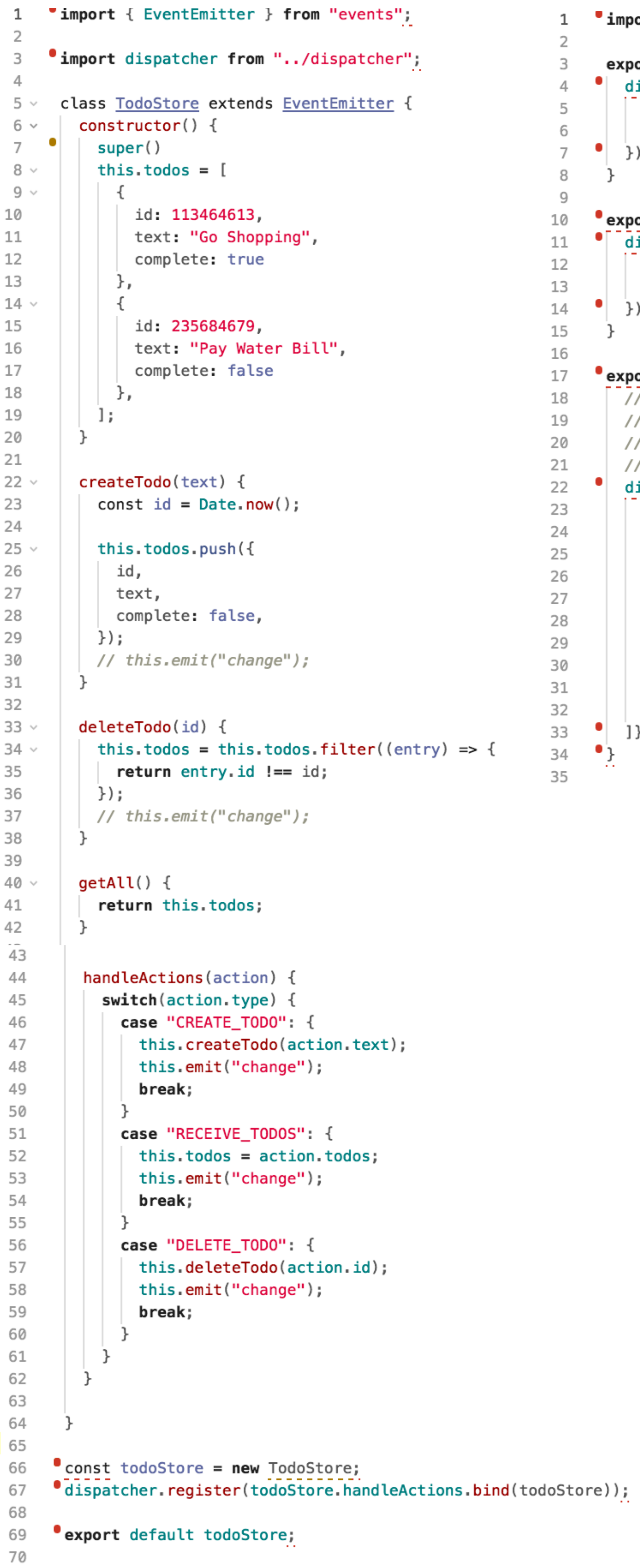
Page: Todos.js



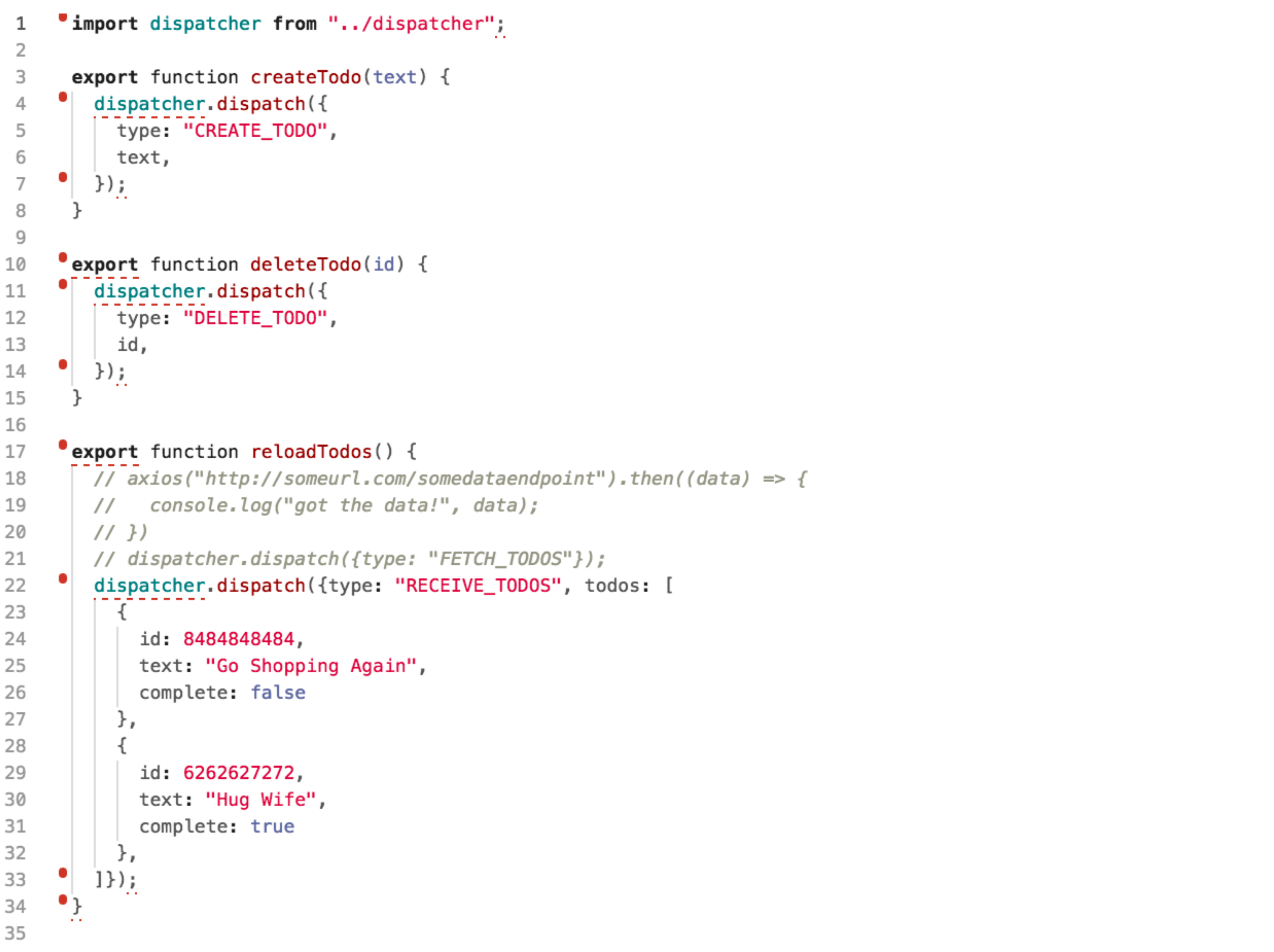
```
import React from "react";

import Todo from "../components/Todo";
import * as TodoActions from "../actions/TodoActions";
import TodoStore from "../stores/TodoStore";

export default class Todos extends React.Component {
  constructor() {
    super();
    this.getTodos = this.getTodos.bind(this);
    this.state = {
      todos: TodoStore.getAll(),
      newTodo: ""
    };
  }

  componentWillMount() {
    TodoStore.on("change", this.getTodos);
  }

  componentWillUnmount() {
    TodoStore.removeListener("change", this.getTodos);
  }

  getTodos() {
    this.setState({
      todos: TodoStore.getAll(),
    });
  }

  reloadTodos() {
    TodoActions.reloadTodos();
  }

  // Start Anna Code
  addTodo(e) {
    console.log("??");
    e.preventDefault();
    TodoActions.createTodo(this.state.newTodo);
    this.setState({newTodo: ""});
  }

  handleChange(e) {
    this.setState({newTodo: e.target.value});
  }
  // End Anna Code

  render() {
    const { todos } = this.state;

    const TodoComponents = todos.map((todo) => {
        return <Todo key={todo.id} {...todo}/>;
    });

    const customUl = {
      listStyle: "none",
      paddingLeft: "0"
    };

    const headerStyling = {
      fontFamily: "Roboto",
      color: "#3C1053",
      marginBottom: "20px"
    };


    const formStyling = {
      paddingBottom: "10px"
    }

    const standardButton = {
      borderRadius: "10px",
      borderStyle: "none",
      padding: "3px 15px 3px 15px",
      fontFamily: "Roboto",
      backgroundColor: "#765786",
      color: "#FFF"
    }

    return (
      <div>
        <h1 style={headerStyling}>A List of things To Do</h1>
        <form style={formStyling}>
          <input style={inputStyling} type="text" value={this.state.newTodo} onChange={this.handleChange.bind(this)}/>
          <button style={standardButton} Click={this.addTodo.bind(this)}>Add New</button>
        </form>
        <ul style={customUl}>{TodoComponents}</ul>
      </div>
    );
  }
}
```

Store: TodoStore.js



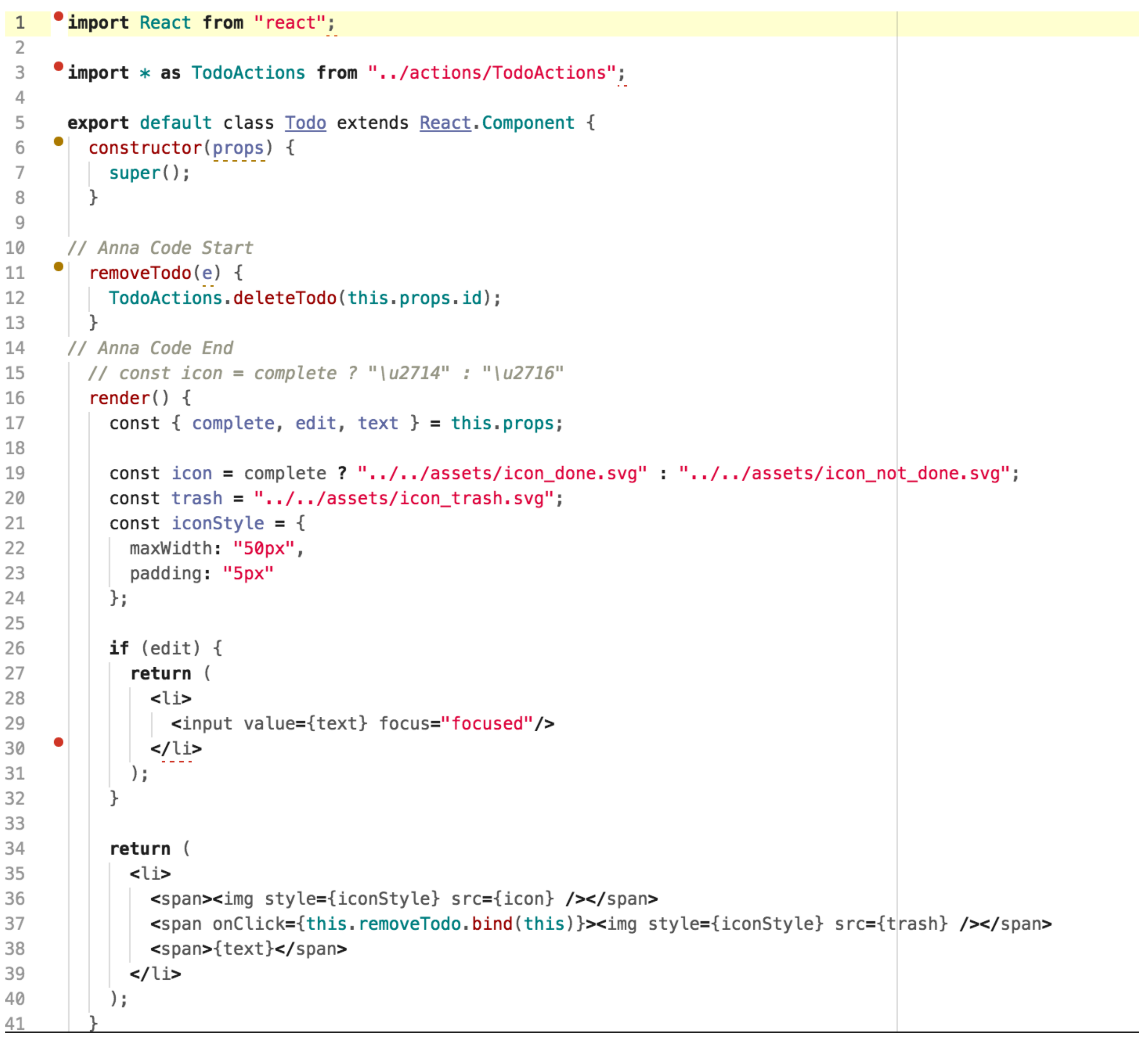
```
import { EventEmitter } from "events";

import dispatcher from "../dispatcher";

class TodoStore extends EventEmitter {
  constructor() {
    super()
    this.todos = [
      {
        id: 113464613,
        text: "Go Shopping",
        complete: true
      },
      {
        id: 235684679,
        text: "Pay Water Bill",
        complete: false
      },
    ];
  }

  createTodo(text) {
    const id = Date.now();

    this.todos.push({
      id,
      text,
      complete: false,
    });
    // this.emit("change");
  }

  deleteTodo(id) {
    this.todos = this.todos.filter((entry) => {
      return entry.id !== id;
    });
    // this.emit("change");
  }

  getAll() {
    return this.todos;
  }

  handleActions(action) {
    switch(action.type) {
      case "CREATE_TODO": {
        this.createTodo(action.text);
        this.emit("change");
        break;
      }
      case "RECEIVE_TODOS": {
        this.todos = action.todos;
        this.emit("change");
        break;
      }
      case "DELETE_TODO": {
        this.deleteTodo(action.id);
        this.emit("change");
        break;
      }
    }
  }

}

const todoStore = new TodoStore;
dispatcher.register(todoStore.handleActions.bind(todoStore));

export default todoStore;
```

Actions: TodoActions.js



```
import dispatcher from "../dispatcher";

export function createTodo(text) {
  dispatcher.dispatch({
    type: "CREATE_TODO",
    text,
  });
}

export function deleteTodo(id) {
  dispatcher.dispatch({
    type: "DELETE_TODO",
    id,
  });
}

export function reloadTodos() {
  // axios("http://someurl.com/somedataendpoint").then((data) => {
  //   console.log("got the data!", data);
  // })
  // dispatcher.dispatch({type: "FETCH_TODOS"});
  dispatcher.dispatch({type: "RECEIVE_TODOS", todos: [
    {
      id: 8484848484,
      text: "Go Shopping Again",
      complete: false
    },
    {
      id: 6262627272,
      text: "Hug Wife",
      complete: true
    },
  ]});
}
```

Component: Todo.js



```
import React from "react";

import * as TodoActions from "../actions/TodoActions";

export default class Todo extends React.Component {
  constructor(props) {
    super();
  }

// Anna Code Start
  removeTodo(e) {
    TodoActions.deleteTodo(this.props.id);
  }
// Anna Code End
  // const icon = complete ? "\u2714" : "\u2716"
  render() {
    const { complete, edit, text } = this.props;

    const icon = complete ? "../../assets/icon_done.svg" : "../../assets/icon_not_done.svg";
    const trash = "../../assets/icon_trash.svg";
    const iconStyle = {
      maxWidth: "50px",
      padding: "5px"
    };

    if (edit) {
      return (
        <li>
          <input value={text} focus="focused"/>
        </li>
      );
    }

    return (
      <li>
        <span><img style={iconStyle} src={icon} /></span>
        <span onClick={this.removeTodo.bind(this)}><img style={iconStyle} src={trash} /></span>
        <span>{text}</span>
      </li>
    );
  }
```