Example 1

```
import React, { useReducer, useState } from 'react';

const initialState = [];

function reducer(state, action) {
  switch (action.type) {
    case 'add':
      return [...state, { id: Date.now(), text: action.text }];
    case 'remove':
      return state.filter(todo => todo.id !== action.id);
    default:
      return state;
  }
}

function TodoApp() {
  const [todos, dispatch] = useReducer(reducer, initialState);
  const [input, setInput] = useState('');

  const handleAdd = () => {
    if (input.trim()) {
      dispatch({ type: 'add', text: input });
      setInput('');
    }
  };

  return (
    <div style={{ padding: '20px', maxWidth: '400px', margin: 'auto' }}>
      <h3>Todo List</h3>
```

```jsx
      <input
        type="text"
        value={input}
        onChange={(e) => setInput(e.target.value)}
        placeholder="Add todo"
      />
      <button onClick={handleAdd}>Add</button>
      <ul>
        {todos.map(todo => (
          <li key={todo.id}>
            {todo.text}{' '}
            <button onClick={() => dispatch({ type: 'remove', id: todo.id })}>
              x
            </button>
          </li>
        ))}
      </ul>
    </div>
  );
}

export default TodoApp;
```

Example 2

```jsx
import React, { useReducer } from 'react';

const initialState = {
  name: '',
  email: ''
};
```

```
function reducer(state, action) {
  switch (action.type) {
    case 'updateField':
      return {
        ...state,
        [action.field]: action.value
      };
    case 'reset':
      return initialState;
    default:
      return state;
  }
}


function SimpleForm() {
  const [state, dispatch] = useReducer(reducer, initialState);

  const handleChange = (e) => {
    dispatch({
      type: 'updateField',
      field: e.target.name,
      value: e.target.value
    });
  };

  const handleReset = () => {
    dispatch({ type: 'reset' });
  };

  return (
```

```jsx
    <div style={{ padding: '20px' }}>
      <h3>Simple Form</h3>
      <input
        name="name"
        value={state.name}
        onChange={handleChange}
        placeholder="Name"
        style={{ marginBottom: '10px', display: 'block' }}
      />
      <input
        name="email"
        value={state.email}
        onChange={handleChange}
        placeholder="Email"
        style={{ marginBottom: '10px', display: 'block' }}
      />
      <button onClick={handleReset}>Reset</button>
      <p>
        <strong>Current State:</strong> {JSON.stringify(state)}
      </p>
    </div>
  );
}


export default SimpleForm;
```

Todo List

Add todo [Add]

- abcd [x]
- ahkbjsc [x]

Simple Form

camelq

camelq@gmail.com

[Reset]

Current State: {"name":"camelq","email":"camelq@gmail.com"}