



# Automate user events

```
import { render, screen } from "@testing-library/react";
import userEvent from "@testing-library/user-event";
import App from "../App";

test('Render a component', () => {
  render(<App/>)
  const counter = screen.getByText(/counter/i);
  const increment = screen.getByRole("button", { name: /increment/i });
  const decrement = screen.getByRole("button", { name: /decrement/i });
  // We validate the initial render
  expect(counter).toHaveTextContent("Counter: 0");
  // We fire the click 🔥👉
  userEvent.click(increment);
  // Finally, we verify the results on the component
  expect(counter).toHaveTextContent("Counter: 1");
  // Same for decrement button
  userEvent.click(decrement);
  expect(counter).toHaveTextContent("Counter: 0");
})
```



# ●●● Let's type something 🐙

```
import { render, screen } from "@testing-library/react";
import userEvent from "@testing-library/user-event";
import {Form} from "../App";

const randomUser = {
  user: "fpetre@vairix.com",
  password: ":party-parrot:",
};

test("Simulate keyboard typing with `userEvent` 🎹", () => {
  let submittedUser;
  const handleSubmit = jest.fn();
  // mockImplementation allows us to define the implementation of a jest function
  handleSubmit.mockImplementation((user) => {
    // here we save the user data to `submittedUser`
    submittedUser = user;
  });
  render(<Form handleSubmit={handleSubmit} />);
  const userInput = screen.getByLabelText(/user/i);
  const passwordInput = screen.getByLabelText(/password/i);
  const sendBtn = screen.getByRole("button", { name: /send/i });
  userEvent.type(userInput, randomUser.user); // here is the magic ✨🐙✨
  userEvent.type(passwordInput, randomUser.password);
  userEvent.click(sendBtn);
  expect(submittedUser).toEqual(randomUser);
  expect(handleSubmit).toHaveBeenCalledTimes(1);
});
```