Exercise 1: Setup ReasonReact with BS-Jest

Setup a ReasonReact project including the following features: **Hot Reloading**, **Auto Compiling**, **Jest Auto Watcher**.

Setup Project

Build and Run Project

```
npm -g install bs-platform
bsb -init black_jack -theme react-hooks
npm i
npm run server
npm start
```

Open Browser **localhost:8000**

Replace Examples

Delete examples

Create main component *BlackJack.re*

```
open React;
[@react.component]
let make = () => {
 <div> {string("Hello BlackJack")} </div>;
};
```

Route to component in *index.re*

```
[@bs.val] external document: Js.t({..}) =
"document";

let style = document##createElement("style");
document##head##appendChild(style);
style##innerHTML #= ExampleStyles.style;


ReactDOMRe.render(<BlackJack />,
document##body);
```

Install bs-jest

npm i -D @glennsl/bs-jest

add *@glennsl/bs-jest* to *bsconfig.json*
add jest-Config to *package.json*:

```
"jest": {"testMatch": ["**/*_spec.bs.js"]}
```

create Example_spec.re

```
open Jest;
open Expect;
test("should pass", () => {
 expect(1 + 1) |> toEqual(2)
})
```

Run Jest watcher

npx jest --watchAll

Goals

```
 PASS  src/Example_spec.bs.js
  ✓ Something should pass

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:   0 total
Time:        0.165s, estimated 1s
Ran all test suites.
```