

Currency Converter

10 USD Equals 8.53 GBP	
Amount 1 10	Currency 1 United States Dollar
Amount 2 8.53	Currency 2 British Pound Sterling

Todos in priority order:

1. Implement the converter in React. Use the [Google Currency Calculator](#) as example for the functionality. *(The calculation should work in both directions)*
2. The API has a built-in delay and possibility to fail sometimes. Handle these cases in your implementation too.
3. Write tests for the functionality you think it is important to be tested.
4. The input field should only allow numbers and a dot.
5. The input field should be limited to two decimals.
6. On a mobile device, the number keyboard should appear.
7. The header values in the blue should be limited to two decimals.
8. The UI should look roughly like the example above.

About the data:

Start the small express server we sent you with this task and use it for your solution. The currencies API delivers the currency names. The rates deliver the exchange rates in **EUR base**. You should always convert to EUR first and then to the target amount. Always re-fetch the rates API when making an exchange.

Code style:

- Pay attention clean code: meaningful names, good structuring, separation of concerns.
- Use Typescript
- Create reusable components where you think it could be used multiple times in a bigger app.

Tooling:

- Use your local IDE for the implementation.
- It is allowed to use libraries, if in your opinion, they make sense for the task.

When you finished, please zip the solution without the node_modules folder and send back as a reply for my email.