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## Web Development Home Task

### Description

* Open the current Revolut app, on either iOS or Android, and navigate to the exchange screen.
* If the app is not available in your country, you can observe how the application works in this video:<https://youtu.be/c0zPSiKYipc?t=29s>. (Exchange screen is at the 29th second of the video).  
  P.S. It is not required to implement the rates screen (1:05 in the video).
* Implement the functionality of this screen only in your own custom web widget, using FX rates from any of these sources:
  + <http://www.ecb.int/stats/exchange/eurofxref/html/index.en.html#dev>
  + <https://openexchangerates.org/>
  + your preferred source of FX rates.

### Business requirements

* Refresh the rate every 10s (we do not expect the rate to change every 10s as most free rate sources won't provide live rates).
* Contain at least three currency accounts with USD, EUR, GBP.
* Make it possible to make an exchange between accounts.
* Contain two inputs on the exchange screen for both accounts. Each input should be validated to let the user type only numbers with two digits after the dot.
* Give all the necessary information: exchange rate between active accounts and account balances.

### Tech requirements

* The app is written in React.
* Typed JavaScript (we love TypeScript).
* Test your application with Jest.
* Use any libraries that you think are a reasonable choice for this task.
* Don't hesitate to use the latest technologies and design patterns. Only the latest modern browsers (Chrome/Safari) are your limitation.
* Please make sure your *package.json* contains:
  + "start" script -- should launch the app on localhost.
  + "test" script -- should run tests in your app.

### Implicit requirements

* The widget must work and produce correct results.
* Test your app before writing to us that it is ready.
* The code produced is expected to be of a high standard.
* You can implement the widget with any design you want, but you should make it look nice.

**Please, keep in mind, we can ask you to expand the app functionality on the next interview stages.**

**Please put your work on Bitbucket or GitHub.**