

Front-End Engineer technical task

Create a currency converter widget that uses TransferGo API endpoint for FX rates.

Acceptance criteria:


- Uses TransferGo API for FX rates (details below).
- Allows user to select initial FROM currency, TO currency and AMOUNT to convert (defaults to EUR -> GBP with amount 1.00 EUR).
- Mocked supported currency pairs. I.e. 2 lists for FROM, TO (supported currencies: PLN, EUR, GBP, UAH).
- Has a button for initial conversion.
- After conversion, AMOUNT and CONVERTED TO should be updated and conversion rate should be displayed at the bottom.
- After initial conversion using the button, the following conversions should be automatic when any of the values change.
- If the user updates CONVERTED TO input the AMOUNT value should be updated accordingly.
- All values should be updated via a new API call to get the most recent conversion rates.




Additional points for:


- TypeScript;
- Unit tests;
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The screenshot shows a currency converter interface. At the top, there are two dropdown menus labeled 'FROM:' and 'TO:'. The 'FROM:' dropdown is set to 'EUR' with a European Union flag icon. The 'TO:' dropdown is set to 'GBP' with a United Kingdom flag icon. Between the two dropdowns is a blue double-headed arrow icon. Below the 'FROM:' dropdown is a text input field labeled 'AMOUNT:' containing the value '1.00'. To the right of the input field is a label 'EUR'. At the bottom of the interface is a large green button with the text 'Convert'.

This screenshot shows the same currency converter interface as the previous one, but with the 'FROM:' dropdown menu open. The dropdown menu displays two options: 'GBP' with a United Kingdom flag icon and 'RUB' with a Russian flag icon. The 'TO:' dropdown remains set to 'GBP'. The 'AMOUNT:' input field still contains '1.00' and is labeled 'EUR'. The green 'Convert' button is still at the bottom.

 PLN	<div>Convert</div>
 RON	
 UAH	
 TRY	

FROM:		TO:
 EUR		 GBP
AMOUNT:		CONVERTED TO:
1.00		0.92
	EUR	GBP

 **1 EUR = 0.92214 GBP**

All figures are live mid-market rates, which are for informational purposes only.
 To see the rates for money transfer, please select sending money option.

FX rates endpoint: GET <https://my.transfergo.com/api/fx-rates> with following parameters:

- from (3-lettered currency),
- to (3-lettered currency),
- amount (float number).
- Limits to be used for 'sending currency' (20000PLN, 5000EUR, 1000GBP, 50000UAH). No limits for the 'receiving currency'.