

Front end Engineer—Technical Assessment

The task is to develop a screen backed by an API (which is mocked / hardcoded). Here is a short brief and setup instructions.

Setup

- IDE/Editor of choice
- Typescript React Native project initiated ready for developing a screen. Either Expo or Barebones is fine.
- Preferred test framework setup for unit/integration testing the screen.

Brief

Implement a basic calculator for international payments.

Note: The API can be mocked/hardcoded against a fixed rate for the purpose of the exercise.

Key tasks in priority order:

1. Develop an un-styled working MVP
2. Style incrementally towards the UX design

Tests can be written up-front as TDD or at the end. The priority is functionality.

Here is the ideal UX for the task. Given time constraints, you can prioritize different aspects using native components:

The mockup displays a payment interface with the following elements:

- Sender Section:** A purple box labeled "You send exactly" contains the UAE flag and "AED". To its right, the amount "2,500.00" is displayed in a large font.
- Separator:** A vertical dotted line separates the sender and recipient sections.
- Exchange Rate:** A light blue box contains the text "1 AED = PHP 14.24" and a "Fees" link with a downward arrow.
- Recipient Section:** A purple box labeled "Recipient gets" contains the Philippines flag and "PHP" with a dropdown arrow. To its right, the amount "35,606.35" is displayed in a large font.
- Processing Time:** A lightning bolt icon is followed by the text "Processing time - 1 Hour". Below this, in smaller text, it says "*Normal working hours & public holidays apply".
- Action Button:** A large blue button at the bottom is labeled "Start transfer".