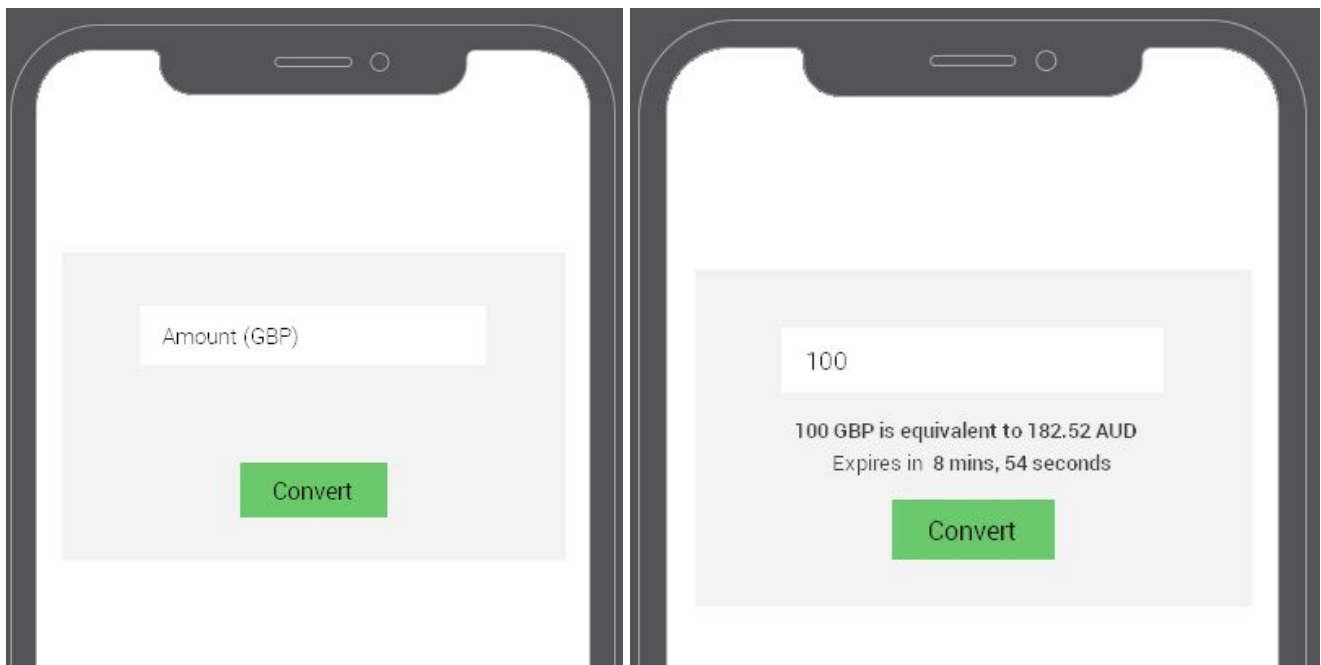# Technical Challenge: Currency Converter

The goal of this challenge is to create a currency converter that takes a value in GBP and converts it into AUD dynamically using an Exchange Rates API (https://api.exchangerate-api.com/v4/latest/GBP). You should use Vanilla JS and avoid the use of frameworks or plugins.

Wireframes

Story

As a mobile website user
I want to convert a range of values in British Pounds (GBP) to Australian Dollars (AUD)
So that I can better understand current exchange rates in a currency I use more frequently

User Conversion

Acceptance Criteria

Scenario #1 - User requests to convert 100 GBP to AUD

Given I enter 100 GBP into a text field
    And the exchange rate is 1 GBP to 1.825177 AUD
When I click on a convert button
Then I should be shown a message showing that 182.52 AUD is the equivalent of 100 GBP
    And that the rate expires in 10 minutes, 0 seconds
    And the number of minutes and seconds counts down every second to zero

Scenario #2 - User enters a non-numeric value

Given I enter 'ASDF' into a text field
When I click on a convert button
Then I should be shown an error message identifying the figure as not a valid number

Scenario #3 - User enters false value

Given the text field is left empty
When I click on a convert button
Then I should be shown an error message identifying that the field is required

Additional Information

- The expiry countdown (X minutes, Y seconds) always counts down from 10 minutes when a user clicks on the *convert* button, updating every second
- Exchange rate information should be loaded dynamically from an API. We recommend using https://api.exchangerate-api.com/v4/latest/GBP
- In realising the above wireframes into a design, consider how the design decisions you make will impact accessibility and user experience. The wireframes serve as a guide and we encourage you to design this component as you see fit.
- You're free to approach this however you like, but we'd prefer you to write vanilla JavaScript and CSS. You can use any of the ES2015+ JavaScript and newer CSS features that are supported in the latest versions of Chrome (don't worry about older browsers and devices).

Please provide us with any JavaScript or CSS files and supporting documentation that you create as part of this work.