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Quick Currency Converter

Description

Easy app to help you to convert many different currencies.

To help you in travel or saving in exchanges, this app provides you a quick way to see the conversion of your prefered currencies.

Don't lose any good conversion rate any more, Quick Currency Converter can notify you the currency conversion that you set up.

Found a good exchange rate and want to share it with friends or families? You can easily use the share option and share the currency conversion that you like with your prefered IM app or e-mail.

Intended User

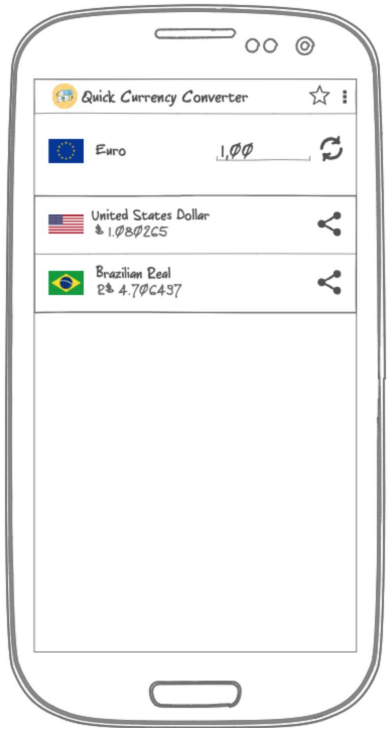
Travelers that are planning their new trips.

Features

- Save prefered currency conversion
- Get notification about you prefered currency conversion
- Share any conversion with contacts

User Interface Mocks

Main screen



Main screen, here is possible to see all features of the app:

- Star button actives notifications
- Curved arrows, allows you to refresh from online apis the currencies values.
- TextEdit to inform the value to convert
- Share button allows to share the currency information
- Option menu to select the currencies and display information about the app

Currencies options to choose

Menu option allows insert/remove currencies to be converted.

Actions tooltips

Tooltips to communicate the user about the actions taken.

About

Menu option shows information about the app.

Key Considerations

How will your app handle data persistence?

The app takes the information from a web service API and stores the data in an internal database.

Describe any edge or corner cases in the UX.

From the main screen the user can use all the features of the app, once the users navigates to about screen the user can return to the main screen pressing the hardware back button or using the back navigation button on the title bar.

Describe any libraries you'll be using and share your reasoning for including them.

- Retrofit: to handle API calls.
- Gson: to parse JSON.
- Android Room: database persistence

Describe how you will implement Google Play Services or other external services.

This apps will not use Google Play Services

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

- Configure git
- Signup in the API service to retrieve currency rates
- Configure libraries

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Create the drawable resources to use
- Build UI for modal select currency
- Build UI for AboutActivity

Task 3: Fetch and store data

- Create API call to fetch currencies
- Create API call to fetch currencies rates
- Create storage to keep all data

Task 4: Create notification service

- Create a service to keep notifying the user about the currency rate
- Integrate this mechanism with the UI to activate deactivate notifications

Task 5: Improve UI

- Choose the color theme
- Improve icons
- Improve screen layout
