Тестовое задание:

Implement a small exchange rate telegram bot which does the following: Uses exchange rate data from this web service: exchangeratesapi.io or similar. Returns the latest exchange rates in a listview. USD should be used as base currency and converts currency from the list.

Requirements.

Add the following commands: /list or /lst - returns list of all available rates from: api.exchangeratesapi.io/latest?base=USD. Item of the listview should have 2 rows: the currency name in the first row and the latest exchange rate (with two decimal precision) in the second row: Ex.

DKK: 6.74

HUF: 299.56

Once the currency data is loaded from the service, save it in a local database too. Also, save the timestamp of the last request somewhere. Next time user requests anything the app you should check whether 10 minutes elapsed since the last request:

If yes, you should load new data from web service.

If no, you should load previously saved data from the local database.

/exchange $10 to CAD or /exchange 10 USD to CAD - converts to the second currency with two decimal precision and return. Ex.:

$15.55

/history USD/CAD for 7 days - return an image graph chart which shows the exchange rate graph/chart of the selected currency for the last 7 days. Here it is not necessary to save anything in the local database, you should request every time the currency data for the last 7 days. Example request for getting currency history in a given period between USD and CAD: api.exchangeratesapi.io/history?start\_at=2019-11-27&end\_at=2019-12-03&base=USD&symbols=CAD

Results must be given as sources and short instruction how to run it.

You can use any third party library for drawing currency graph/chart. If web service doesnt return data for the last 7 days, please show a warning popup with the following message: No exchange rate data is available for the selected currency.

Выложить Бота можно на бесплатный хостинг от google (подробнее - habr.com/ru/post/488560/) и предоставить телеграм ссылку для проверки решения. Также возможна частичная реализация данного тестового задания.