CSE476: MOBILE APPLICATION DEVELOPMENT
YEDITEPE UNIVERSITY

FALL 2023

ASSIGNMENT 3 – DUE DATE NOVEMBER 29TH, 2023

In this assignment you are expected to implement a simple Android currency converter (see Fig. 1) app by making use of all of the material given to you so far – including layouts, views, GUI elements, activities, network connectivity, web services and most probably debugging tools such as DDMS.
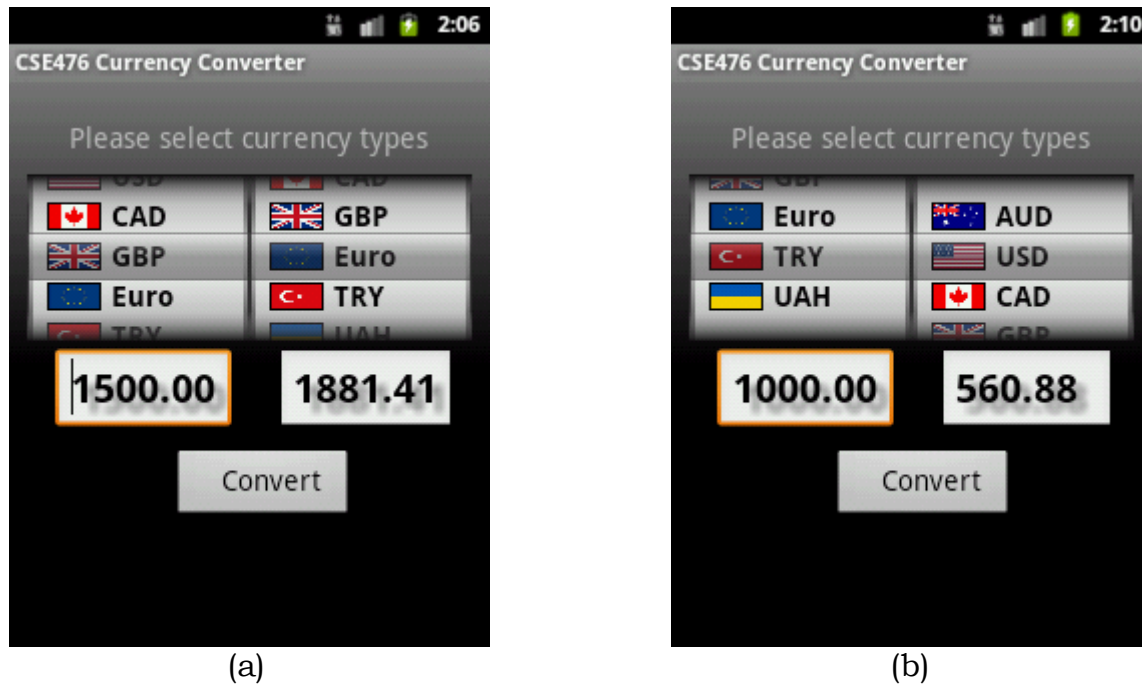

(a)   (b)

Fig. 1: (a) Currency conversion between British Pound Sterling to Euros using real exchange rates (b) Currency conversion between Turkish Lira and US Dollars

Accordingly, you are expected to implement a mobile currency converter which:

- Has Internet access and can query web services for exchange rates;
- Has easy to use layout with currency type selectors, two text boxes, one for amount entry and one to show the calculation result - non-editable - and a button that will trigger the conversion;
- Gives the user the ability to pick and choose among multiple currencies, and can convert **to** and **from** them.
- Exchange rates could be retrieved from the Exchange web service (https://currencyfreaks.com/documentation.html), which also provides examples on its use with REST XML and HTTP GET/POST methods. You are **free** to use any method you like.

- The app should quote foreign currency and crypto exchange rates from the service, parse returned data and make the calculations accordingly. Hence, the calculation result should be dynamic.

Submit your assignments in a zip file, which has your student number as name, through the COADSYS (https://yulearn.yeditepe.edu.tr/) latest by the end of Wednesday, November 29th, 2023.