Institute of Technology Tallaght, Department of Computing

B.Sc. (hons.) in Computing

2017/2018

EAD2

CA2 Android

Date: 22/03/18

Value: 30%

Type: in-lab, open-book

Lecturer: Gary Clynch

**Android**

An Android app is required that allows a user to perform convert euros (€) to dollars (US $) or sterling (£).

A currency pair defines the exchange rate between two currencies. Currencies in a currency pair are denoted by a currency code i.e. EUR for euros, USD for dollars, and GBP for sterling. A currency pair is base currency code, a quote currency code, and a rate e.g. **EUR/USB 1.07** means that €1 = $1.07.

The app should store currency pairs for conversion between EUR and USD, and EUR and GBP as follows

|  |  |
| --- | --- |
| **Base/Quote** | **Rate** |
| EUR/USD | 1.07 |
| EUR/GBP | 0.83 |

The app should allow a user to input a euro amount, select a quote or “to” currency, and see a quote for that amount in the “to” currency e.g. if they input 100 and choose USD they will see a quote of 107.

Make the app as interactive as possible.

Implement the logic in separate Java classes.

**Deliverables**:

1. ZIP project and upload to Moodle
2. Demo of code running or whatever has been achieved