

CURRENCY CONVERTER

You have a basic spring-boot application setup inside the finacc-klt. Project should be easily compiled and able to run with 'mvn spring-boot:run'. Web interface is available at <http://localhost:8080/klt>.

Please create a currency converter web site, which will have simple page with input fields: **Amount**, **From currency** selection, **To currency** selection and **Converted amount**. When you press **Convert** button you should see converted amount in another **Converted amount** field. Web site could look like following (it does not have to be beautiful but rather functional):

Amount	From currency
<input type="text" value="1"/>	<input type="text" value="USD"/>
<input type="button" value="Convert"/>	
Amount	To currency
<input type="text" value="0.92"/>	<input type="text" value="EUR"/>

In order to fetch currency rates that should be used for doing real conversion please integrate finacc-klt application in the backend with third party currency api that is simulated inside finacc-forex.jar. You can run this api/jar with `java -jar finacc-forex.jar`. After the start endpoint that list currency rates based on EUR currency should be available on <http://localhost:9090/forex/currencies>.

Design your own currency conversion API that is accepting client inputs and returns converted value. API should be developed inside your finacc-klt application and external forex api is used only as a data source for you conversion API. Please do not call forex api directly from finacc-klt frontend(e.g. javascript)

Additional points to remember:

- As forex currency rates api has a usage limit use caching in your app to limit the number of calls to the forex-rates API (not mandatory)
- It would be nice if we can see some tests 😊
- Initially frontend inside finacc-klt is implemented as a demo using thymeleaf, of course if you feel more comfortable you can use any other framework (e.g. reactjs, angularjs, vuejs...)
- Focus of this task is on the backend services so in case of not being comfortable with frontend part please focus on backend services
- finacc-klt and finacc-forex are based on JDK11

Have fun! 😊