Test Project for Desktop 01
Currency Converter

Introduction

Currency Converter is a desktop application that used to convert given currency into another currency.

Contents

This Test Project consists of the following files/folders:

1. TP_Desktop01_LKSProv2024.pdf
2. CurrencyConverter.sql
3. Folder "assets'

Description of project and tasks

While developing the test project, please make sure the deliverables conform to the basic guidelines given:

- The use of valid and proper naming conventions is expected in all material submitted.
- The use of basic and proper validation is expected for every input process.
- Time management is critical to the success of any project and so it is expected of all deliverables to be complete and operational upon delivery.

Application Requirements

The application has one screen as shown in **Figure 1**.

Figure 1. Screenshot of Currency Converter

✓ Period can be changed using the Period drop down. The conversion will use the chosen period exchange rate.

✓ The initial and conversion target currency can be changed using each drop down. Changing the drop-down value will also change the currency name shown. Initial and conversion target must be in different currency.

✓ When user typing the origin amount, the conversion result will be automatically displayed.

✓ There is a button to swap between the initial and conversion target currency.

✓ The conversion process will be calculated using cross-exchange rate. Cross-exchange rates are calculated using the exchange rates of two different currency pairs. For instance, to determine the JPY/IDR cross rate, divide the JPY/USD exchange rate by the IDR/USD exchange rate. The resulting value will be the exchange rate between the JPY and the IDR without involving the USD.

✓ For precision, the cross-exchange rate must be in decimal value up to ten decimal places. Meanwhile, the conversion result must be in decimal value up to three decimal places.