Currency converter program:

Program goal:

Program will convert **ILS** (Israeli Shekel) currency to **USD** (United States Dollars).

Solution architecture:

General:

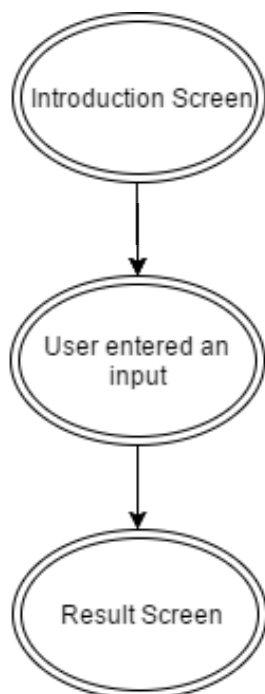Development platform: program will be developed in Python in PyCharm IDE.

Distribution type: Private.

Networking type: None (offline).

Localization: English (US).

Conventions: Python Conventions.

General system diagram:

```
      Introduction Screen
              |
              v
      User entered an
            input
              |
              v
        Result Screen
```

Guidelines:

General:

1. Where necessary protect code blocks with error handling ways.
2. Use Python "**input**" for receiving input from user.
3. If user choose an invalid choice, show user the following text: "Invalid Choice".
4. The USD and ILS values will obtained from CurrencyConverter API: https://free.currencyconverterapi.com/api/v5/convert?q=USD_ILS&compact=n
5. HTTP request will be performed using "**urllib.request**" module.
6. JSON processing will be done by "**Json**" module.

Flow:

1. Get ILS to USD currency from "**CurrencyConverter API**"
2. Print:
   - "Welcome to currency converter"
   - "Please enter an amount of Shekeles to convert:"
3. Print the result (amount * currency).
4. Print: "Thanks for using our currency converter".