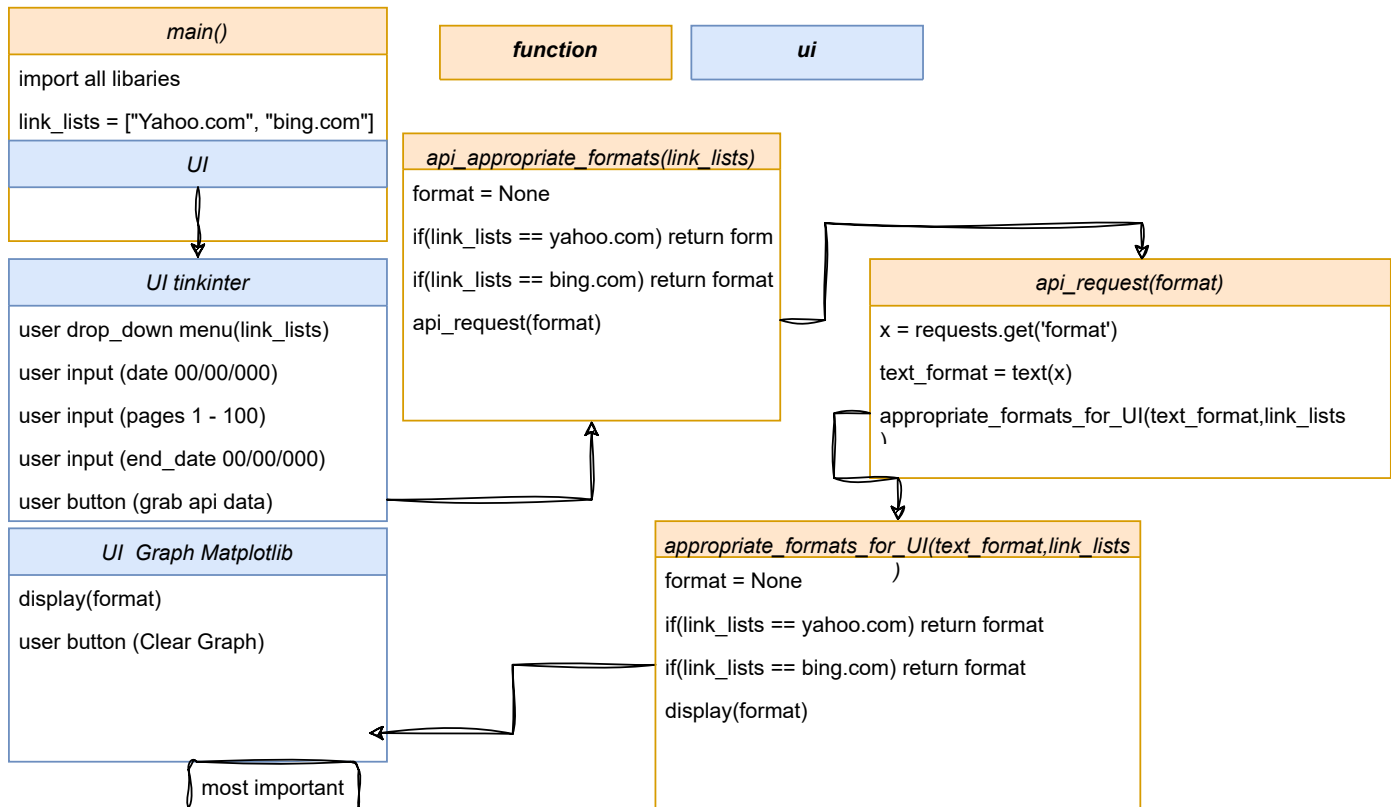


Purpose of product

the product should be build a Software in python to get the resent real-time-finical-data with a click of a button with certain customization based on the website selected



roles
Selecting website LINKS API
UI buttons,input ect..
api_appropriate_formats(link_lists)
api_request(format)
appropriate_formats_for_UI_graph(text_format,link_lists)

least important

roles , (names)
Selecting website LINKS API (all teams decide)
UI buttons and user inputs and Metplotlib(cameron)
api_appropriate_formats(link_lists) (alex)
api_request(format) (alex)
appropriate_format_for_UI_graph(text_format,link_lists) (marcus)

proposed testing (TDD) credit help by Cameran

```

1 import tkinter as tk
2 from tkinter import ttk
3 from datetime import datetime
4 import yfinance as yf
5 from matplotlib import pyplot as plt
6 import seaborn as sns
7
8 # Processing but needs more maybe
9 def data_process(data):
10     data.fillna(data.mean(), inplace=True)
11     return data
12
13 def make_graph():
14     symbol = symbol_set.get()
15     # Google Graph
16     if symbol == "GOOGL":
17         start_date = start_date_entry.get()
18         end_date = end_date_entry.get()
19         # Collect the data from yfinance module using a symbol
20         data = yf.download(symbol, start=start_date, end=end_date)
21
22         # Visualize data by creating the graph
23         plot.figure(figsize=(12, 6))
24         sns.lineplot(x=data.index, y=data['Close'])
25         plot.title(f'Stock Prices for GOOGLE')
26         plot.xlabel('Date')
27         plot.ylabel('Price')
28         plot.show()
29
30     # Amazon Graph
31     elif symbol == "AMZN":
32         start_date = start_date_entry.get()
33         end_date = end_date_entry.get()
34         # Collect the data from yfinance module using a symbol
35         data = yf.download(symbol, start=start_date, end=end_date)
36
37         # Visualize data by creating the graph
38         plot.figure(figsize=(12, 6))
39         sns.lineplot(x=data.index, y=data['Close'])
40         plot.title(f'Stock Prices for AMAZON')
41         plot.xlabel('Date')
42         plot.ylabel('Price')
43         plot.show()
44
45     # Microsoft Graph goes here.
46
47 # Clears the entry boxes and will use a button
48 def reset_boxes():
49     start_date_entry.delete(0, 'end')
50     end_date_entry.delete(0, 'end')
51     symbol_set.delete(0, 'end')
52 
```

Test ICT-372 Graph

Start at - (YYYY-MM-DD):

End at - (YYYY-MM-DD):

Pick a stock:

GOOGL

AMZN

MSFT(Not finished)

TEST BUTTON