

BSC – HGP- Assignment 01

Stock Trade Profit Calculator

UI Design Document

Student Name: Damilare Atilola
Student Number: 3026982

The wireframe shows a web application titled "Crypto Trade Profit Calculator" with a Python logo. It features a form with the following fields and labels:

- Stock Purchase: (text input)
- Quantity Purchased: (text input)
- Purchase Date: (date input)
- Purchase Total: (text input)
- Sell Date: (date input)
- Sell Total: (text input)
- Profit Total:** (text input)

Fig 1.0: This the Wireframe of the application to be built, The Outcome of the entire Application will look like this figure at the end.

The scope of the Crypto Trade Profit Calculator is to show the purchase and sales of Crypto and the profit made on them with respect to Calendar showing the accurate dates.

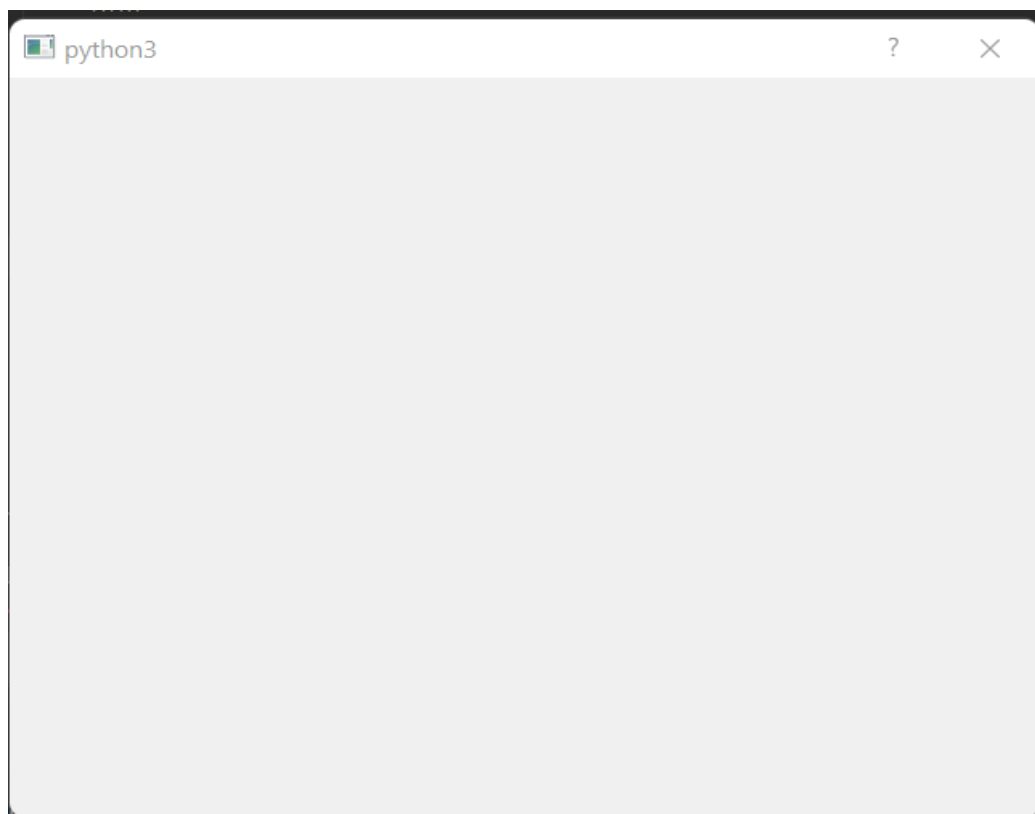


Fig 1.1: This figure shows the Frame of the Application before inserting codes to display the contents embedded in it.

Crypto Trade Profit Calculator
?
X

Stock Purchase:
BTC

Quantity Purchased:
5.00

Purchase Date:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
22	30	31	1	2	3	4	5
23	6	7	8	9	10	11	12
24	13	14	15	16	17	18	19
25	20	21	22	23	24	25	26
26	27	28	29	30	1	2	3
27	4	5	6	7	8	9	10

Purchase Total:

Sell Date:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	1	2	3
27	4	5	6	7	8	9	10
28	11	12	13	14	15	16	17
29	18	19	20	21	22	23	24
30	25	26	27	28	29	30	31
31	1	2	3	4	5	6	7

Sell Total:

Profit total:

Fig 1.2: This is a progressive work after Calendar and Combined CSV file that has all type of crypto currencies has been added and all awaiting the display of the sales and the total profit made.

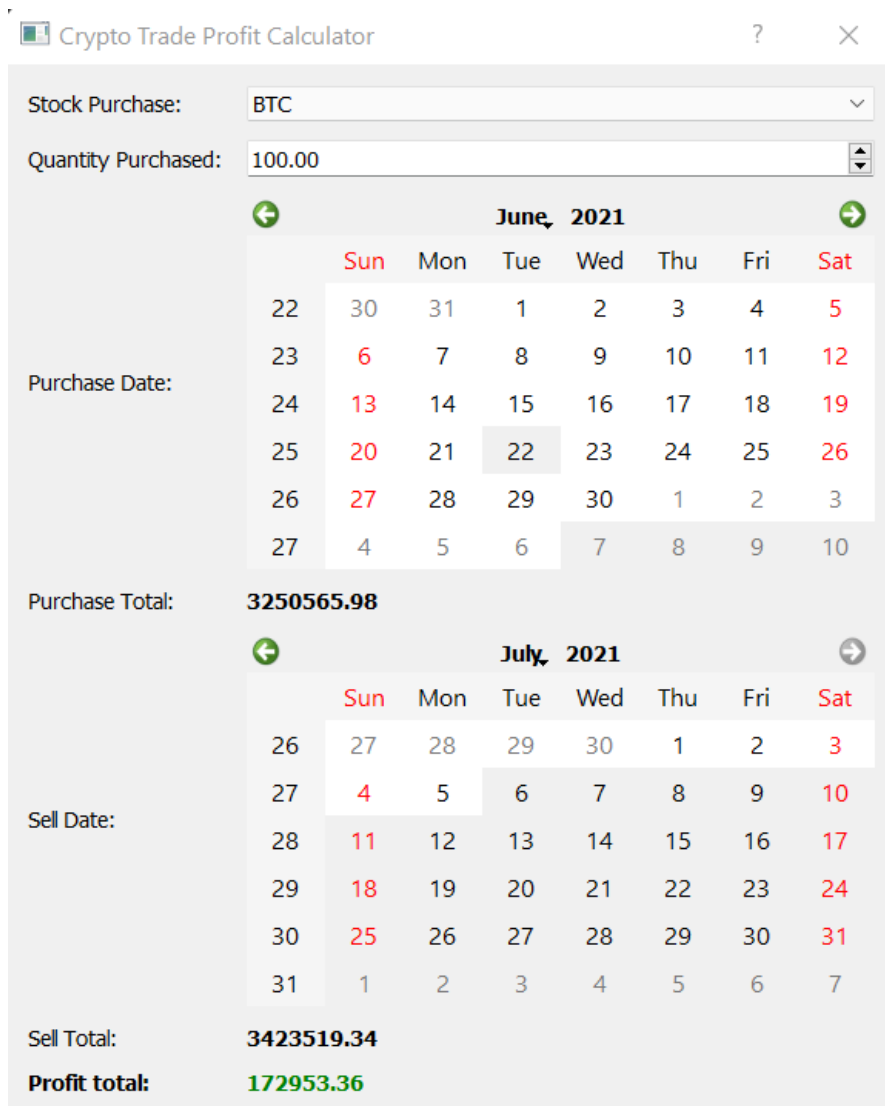


Fig 1.3: Final view of the fully working Crypto Profit application.

In this Graphical User Interface, I have used:

- QLabel to set text seen such as Currency Bought, Quantity Purchased, Purchased Date, Purchase Total, Sell Date, Sell Total and Profit Total.
- window title is set using setTitle.
- QComboBox is used to set values of available cryptocurrency list.
- QtCalendarWidget is used to input calendar date.
- Function UpdateUI is created which calculate total price of the currency in that particular date, calculate selling price on particular date and total profit is also calculated by subtracting Sell Total with Purchase Total. However, total profit won't show negative value since QDoubleSpinBox() does not support negative value.