Function Points

Calculating the needed points for FP:

New Portfolio	RET	DET	
External Inputs			7
External Output			
External Queries			1
Internal Logical Files		3	
External Interface Files			
Exporting Portfolio	RET	DET	
External Inputs			1
External Output			
External Queries			
Internal Logical Files		3	
External Interface Files			
Add Stock	RET	DET	
External Inputs			1
External Output			1
External Queries			1
Internal Logical Files		3	
External Interface Files			
Create Chart	RET	DET	
External Inputs			1
External Output			1
External Queries			
Internal Logical Files		3	1
External Interface Files			
Add Figure	RET	DET	
External Inputs			1
External Output			1
External Queries			
Internal Logical Files		3	1
External Interface Files			
Access and Save Portfolio	RET	DET	
External Inputs			3
External Output			
External Queries			
Internal Logical Files		3	
External Interface Files			
Portfolio Settings	RET	DET	
External Inputs			3
External Output			1
External Queries			
Internal Logical Files		3	
External Interface Files			
FetchHistoricalData	RET	DET	
External Inputs			4
External Output			

	RET	DET	
External Queries			1
Internal Logical Files	3		
External Interface Files			
List All Tickers	RET	DET	
External Inputs			2
External Output			1
External Queries			1
Internal Logical Files	3		
External Interface Files			
Refreshing Whole Portfolio	RET	DET	
External Inputs			1
External Output			1
External Queries			
Internal Logical Files	3		
External Interface Files			

Use Case	Estimated Time (in min)	Spent Time (min)
New Portfolio	1140	900
Exporting Portfolio	1500	1320
Add Stock	660	480
Create Chart	720	780
Add Figure	300	
Access and Save Portfolio	1560	
Portfolio Settings	1200	
FetchHistoricalData	2100	
List All Tickers	1380	
Refreshing Whole Portfolio	1440	

Sum of all Use Cases in h	200	
Sum Spent Time /Sum Points in h		58

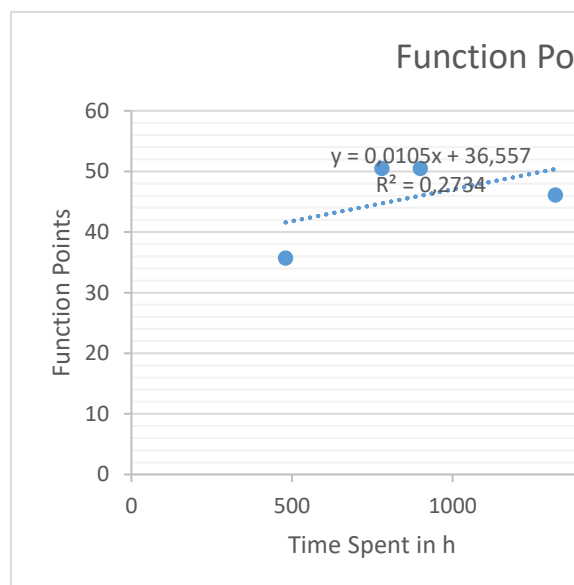|	Record Element Type	record element type is a user recognizable subgroup
	Data Element Type	data input fields, error messages, buttons, data field
	File Type Reference	Data Function Types - unique user recognizable, non

FTR		Resulting Complexity	Number of Function Points	RET
	1	low	8	
		low	0	
		complex	1	
	1	average	4	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
	1	low	2	
	3	complex	3	
			0	
	2	average	5	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
		low	1	
		low	1	
		low	1	
	1	average	4	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
		low	1	
		average	1	
			0	
	1	average	5	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
		complex	1	
		complex	1	
			0	
	1	average	5	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
		complex	3	
			0	
			0	
	1	average	4	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
		average	3	
		low	1	
			0	
	1	average	4	HTML, Controller, Pytho
			0	

FTR		Resulting Complexity	Number of Function Points	RET
		low	4	
			0	

	1 complex		2		
	1 average		4	HTML, Controller, Pyth
			0		

FTR	Resulting Complexity	Number of Function Points	RET	
	average	2		
	complex	1		
	1 complex	2		
	1 average	4	HTML, Controller, Pytho
		0		

FTR	Resulting Complexity	Number of Function Points	RET	
	low	1		
	low	1		
	1 average	1		
	1 average	4	HTML, Controller, Pytho
		0		

outrack/reports/estimation/171-3   1

Calculated Time	Function Points		Time Spent in min
	50,46	New Portfolio	900
	46,11	Exporting Portfolio	1320
	35,67	Add Stock	480
	50,46	Create Chart	780
	41,76		
415,9047619	32,19	m	0,0105
992,6666667	46,98	fp(time in minutes) = time in minutes * 0,6288	
1655,52381	53,94	time(fp)= fp(time in minutes)/0,6288	
2069,809524	58,29		
744,0952381	44,37		

Function Po

y = 0,0105x + 36,557
R² = 0,2734

Function Points

60
50
40
30
20
10
0

0   500   1000

Time Spent in h

of data elements within an ILF or EIF
s on report, and calculated values
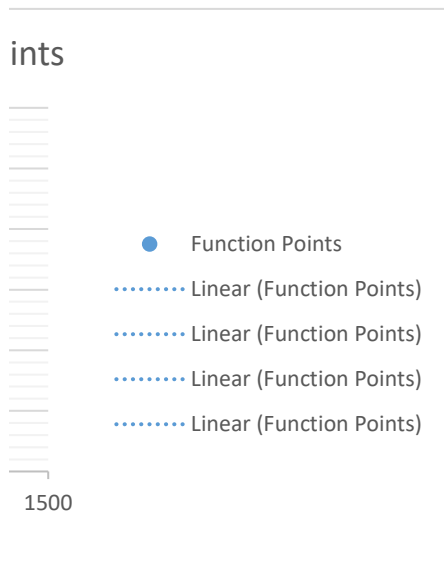recursive fields

DET	FTR
ISIN, 2 Listboxes, 2 Add Buttons, 2 Remove Buttons

Check Availability-Button
on-Object-File   Portfolio-Object (in terms of py-file)

Function Point: 50,46

DET	FTR
check on if chart ought to be included!
                         Pdf, CSV, Excel,

on-Object-File   portfolio settings, portfolio settings

Function Point: 46,11

DET	FTR
ticker textbox,
if is available label
Check Availability-Button
on-Object-File   Portfolio-Object (in terms of py-file)

Function Point: 35,67

DET	FTR
combobox for choosing proper Plotting
view ChartJs-chart

picture-png   Portfolio-Object (in terms of py-file)

Function Point: 50,46

DET	FTR
figure-button
number for stock

using a python script to Portfolio-Object (in terms of py-file)

Function Point: 41,76

DET	FTR
Open Portfolio, Save Existing Portfolio Button, Select Portfolio

on-Object-File   Portfolio-Object (in terms of py-file)

Function Point: 32,19

DET	FTR
name of portfolio, API of Portfolio (as combobox), Benchmark of Portfolio, Table is included, Charts are inclu
Portfolio is being written in table

on-Object-File   Portfolio-Object (in terms of py-file)

Function Point: 46,98

DET	FTR
refresh whole portfolio, add Stock, Add or remove prerendered Figure,dialog with progress bar

yfinance query	yfinance Rest-Json	
on-Object-File	Portfolio-Object (in terms of py-file)	
	Function Point:	53,94
DET	FTR	
enter benchmark, add stock-tickers of Benchmark-button		
ticker-list		
fetching index	query-pickle-file	
on-Object-File	Portfolio-Object (in terms of py-file)	
	Function Point:	58,29
DET	FTR	
refresh button		
rebuild whole table		
	yfinance Rest-Json	
on-Object-File	Portfolio-Object (in terms of py-file)	
	Function Point:	44,37

Function Points

50,46
46,11
35,67
50,46

n   36,557

ints

- Function Points
.... Linear (Function Points)
.... Linear (Function Points)
.... Linear (Function Points)
.... Linear (Function Points)

1500

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