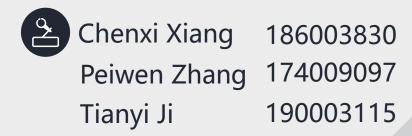
OptionPayOffer

A tool for option trading





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Overview

What our project goes for

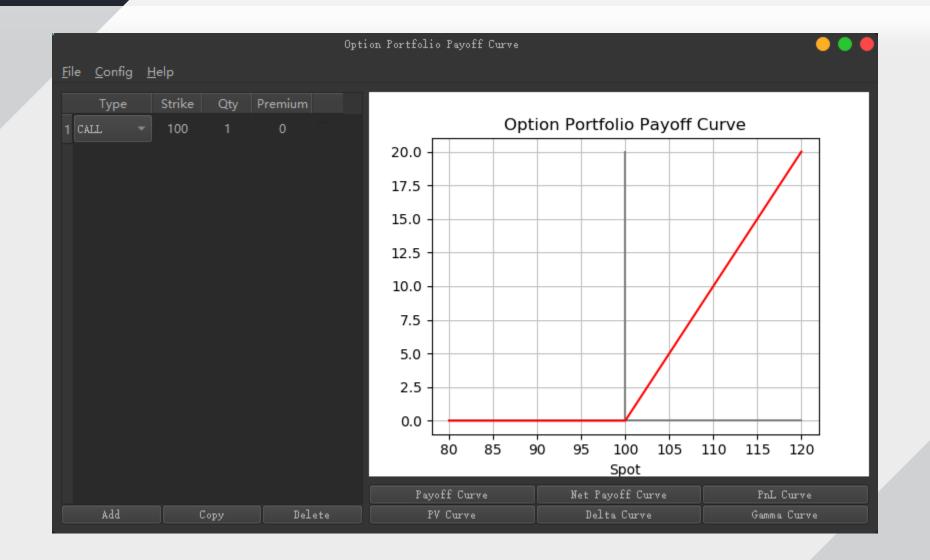
A tool to estimate the different spot-based curves of vanilla portfolios.

Pricing is dvailable for vanilla options based on Black-Scholes or Monte-Carlo methods.

Only vanilla option is available (barrier is not supported)

Can estimate option payoff under different level of spot

Can evaluate option price under different market using different evaluation engine



Performance

Project Show

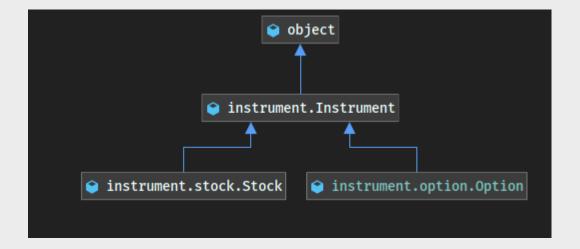
Our Program design of traders, by traders and for traders

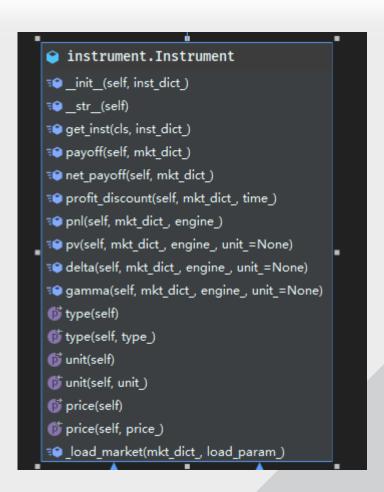
Logic & Code Design

Why we design like this

Data Structure

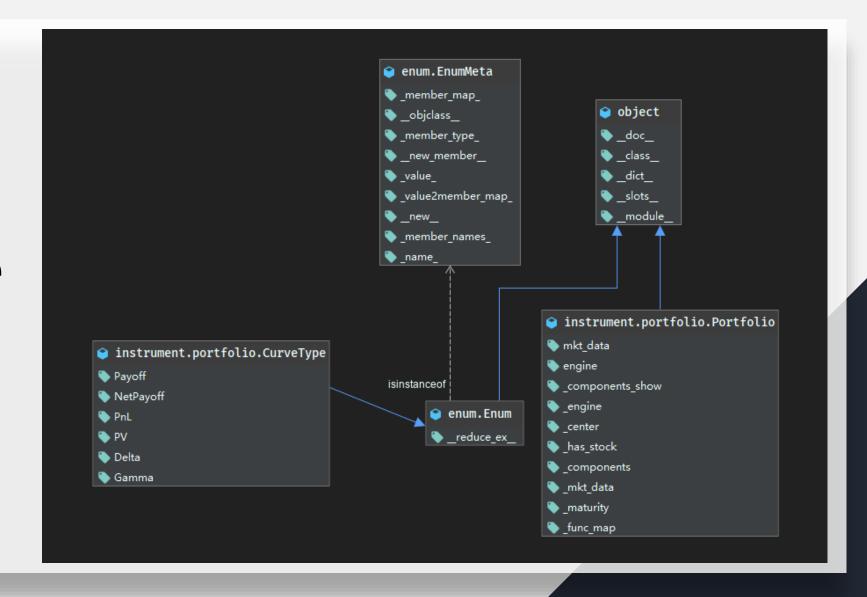
Basic Data Classes





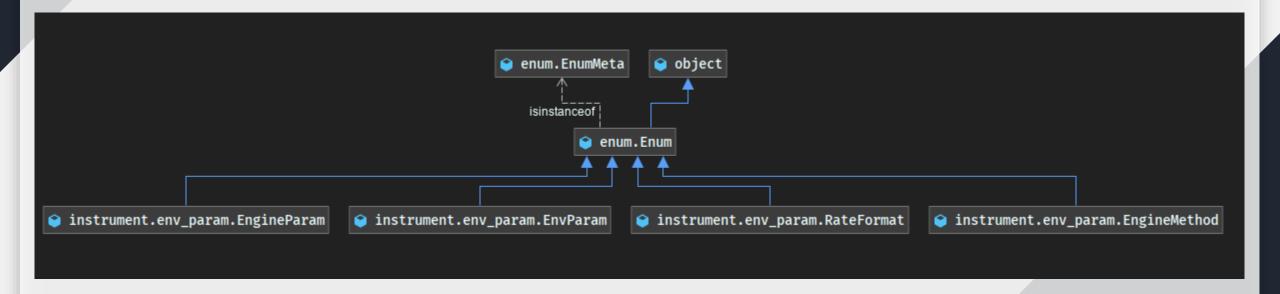
Data Structure

Portfolios



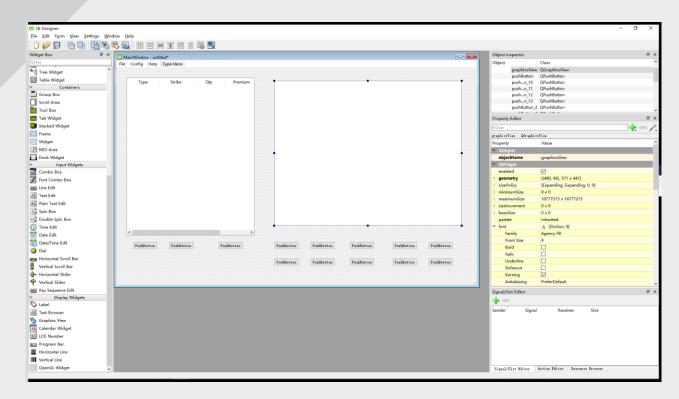
Environment

General setting for option pricing and option Greeks



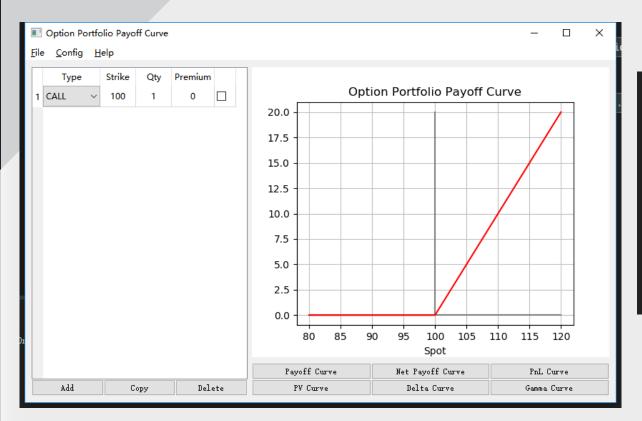
GUI

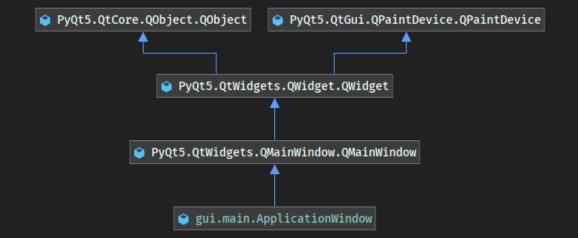
Based on PyQt 5.12.0



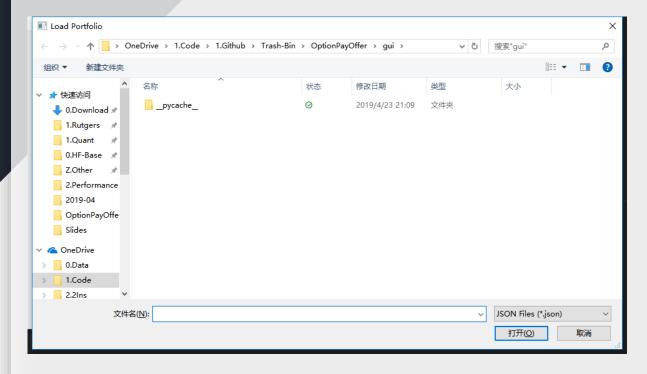
QtDesigner + QtUIC + QtRCC

Main Window



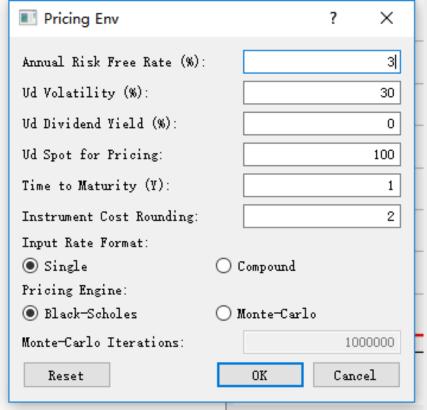


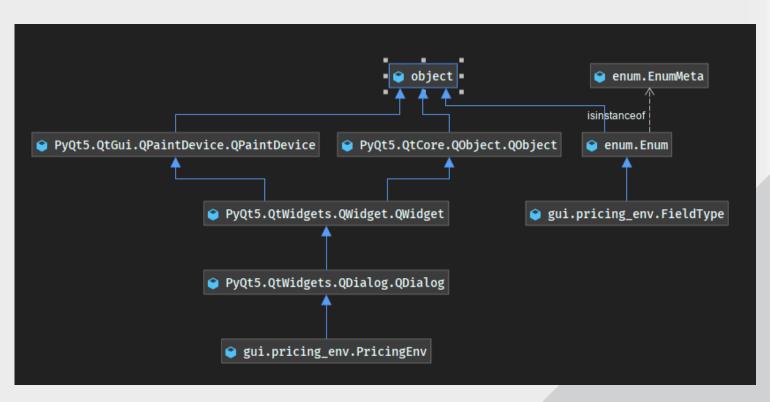
Load / Save / Export



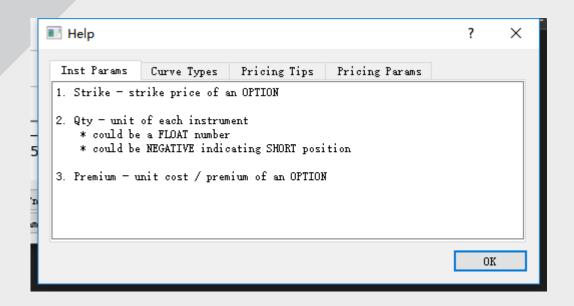
PyQt5.QtWidgets.QFileDialog.getOpenFileName

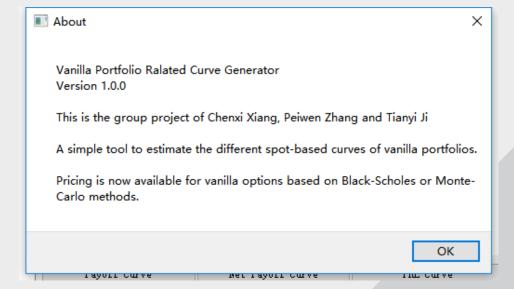
Setting Dialog



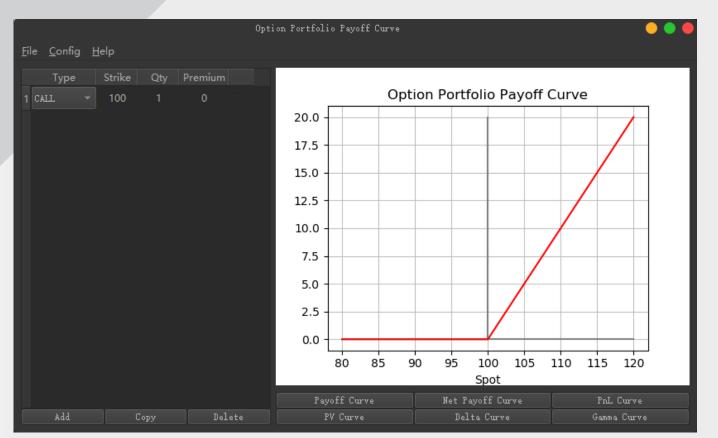


Help & About





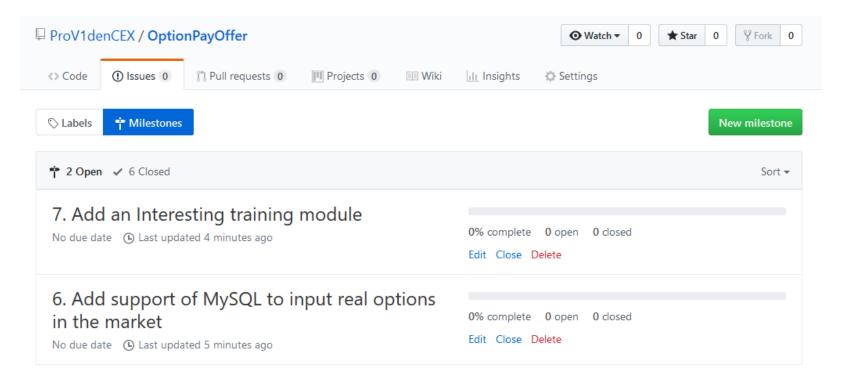
Style



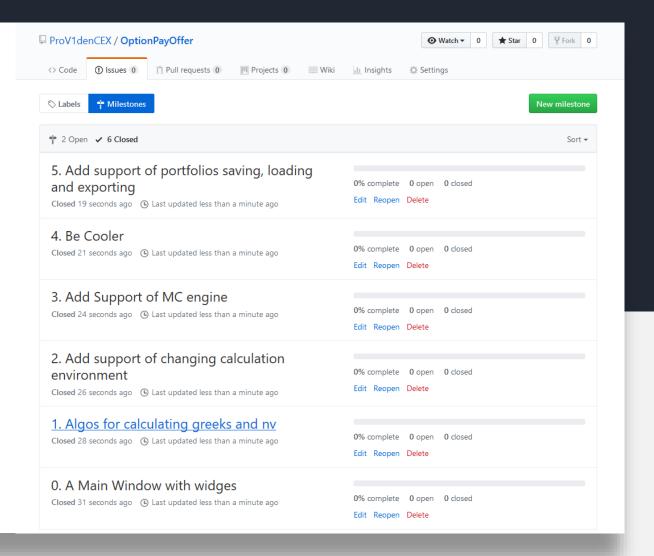
```
from PyQt5.QtWidgets import QApplication
from sys import argv as sys_argv, exit as sys_exit
from gui.main import ApplicationWindow
from qtmodern.styles import dark as qtdark
from qtmodern.windows import ModernWindow

if __name__ == '__main__':
    app = QApplication(sys_argv)
    main = ApplicationWindow()
    qtdark(app)
    mw = ModernWindow(main)
    mw.show()
    sys_exit(app.exec_())
```

Backlog



Milestones



OptionPayOffer

Thank you for your attention!

