

# Readme

---

## Project name:

---

Decrypto

## Group member:

---

Goel, Shubham (sgoel2)

Mitra, Karshni (karshnim)

Sun, Hao (hsun2)

Xiao, Kehan (kehanxia)

Zhang, Hanling (hanlingz)

## Package need to be installed:

---

mplfinance: pip install mplfinance / conda install -c conda-forge mplfinance

pmaw: pip install pmaw

vaderSentiment: pip install vaderSentiment / conda install -c conda-forge vaderSentiment

yfinance: pip install mplfinance / conda install -c conda-forge yfinance

beautifulSoup: pip install bs4 / conda install -c conda-forge bs4

It is recommended to use pip to install packages

## Tips

---

The app may show a different layout on different devices. It is preferred to set the screen resolution to at least  $1600 \times 900$  to have best experience. In the video guide, user may find the alignment a little different due to the resolution.

The windows user may find a MAC\_OS folder, just ignore it. The code is inside the Final\_project folder in a file called GUIPage.py.

## Run the App

---

python GUIPage.py

## General Description

---

The app provides information about crypto currencies to users.

On the first page it provides the crypto currency's profile, news about it, and historical data of it.

On the second page, users can check comments related to this coin on reddit. The page also includes sentiment analysis information about those comments.

On the third page, the app provides important market index for users. Users can compare the coin's performance and historical data with these indices.

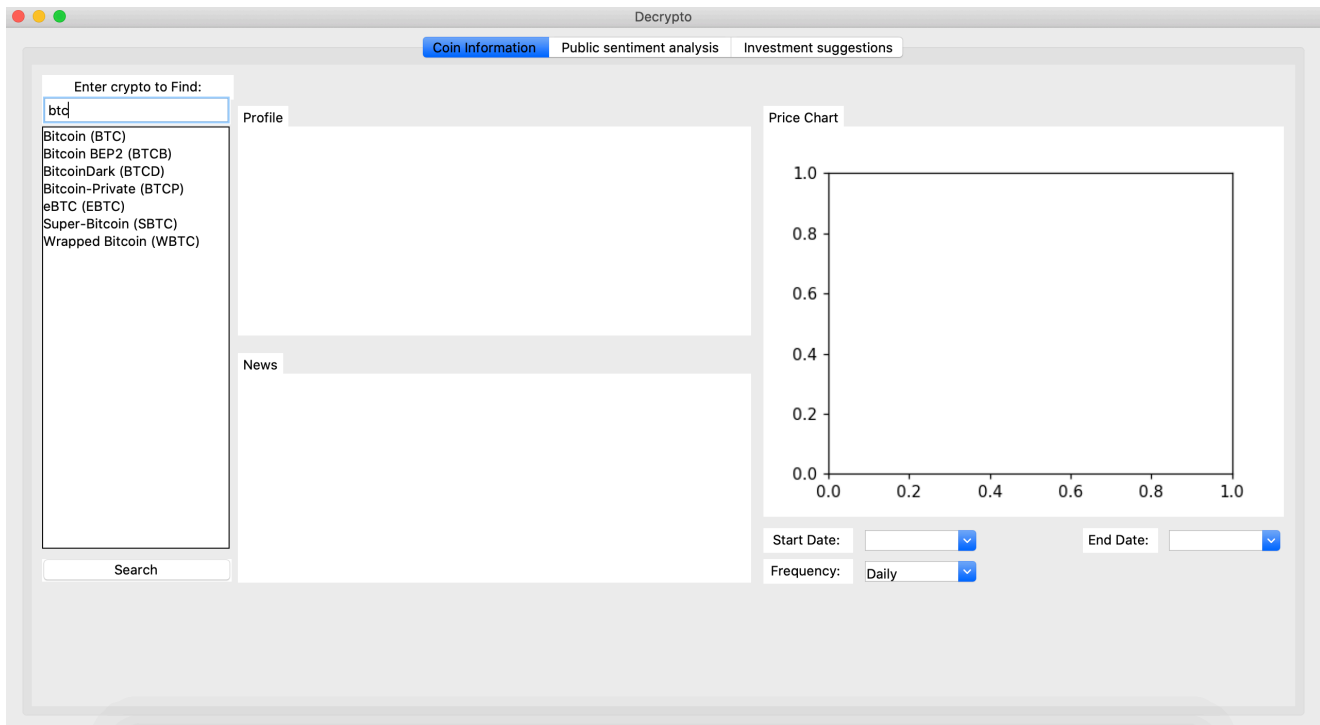
## User's Guide

---

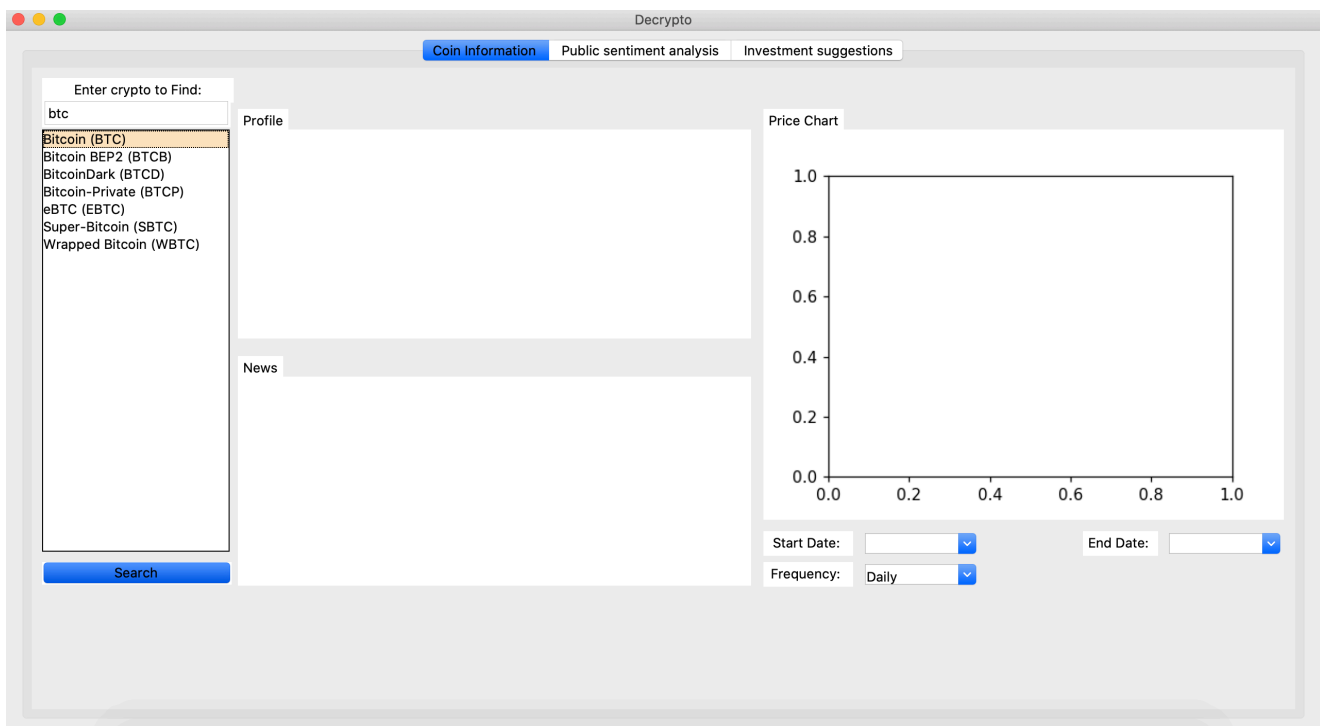
Youtube URL: <https://youtu.be/c-1VILUrA04>

The initialization of the app takes about 20 seconds. The performance may vary on different machines, but usually it will not take more than 2 minutes to open it.

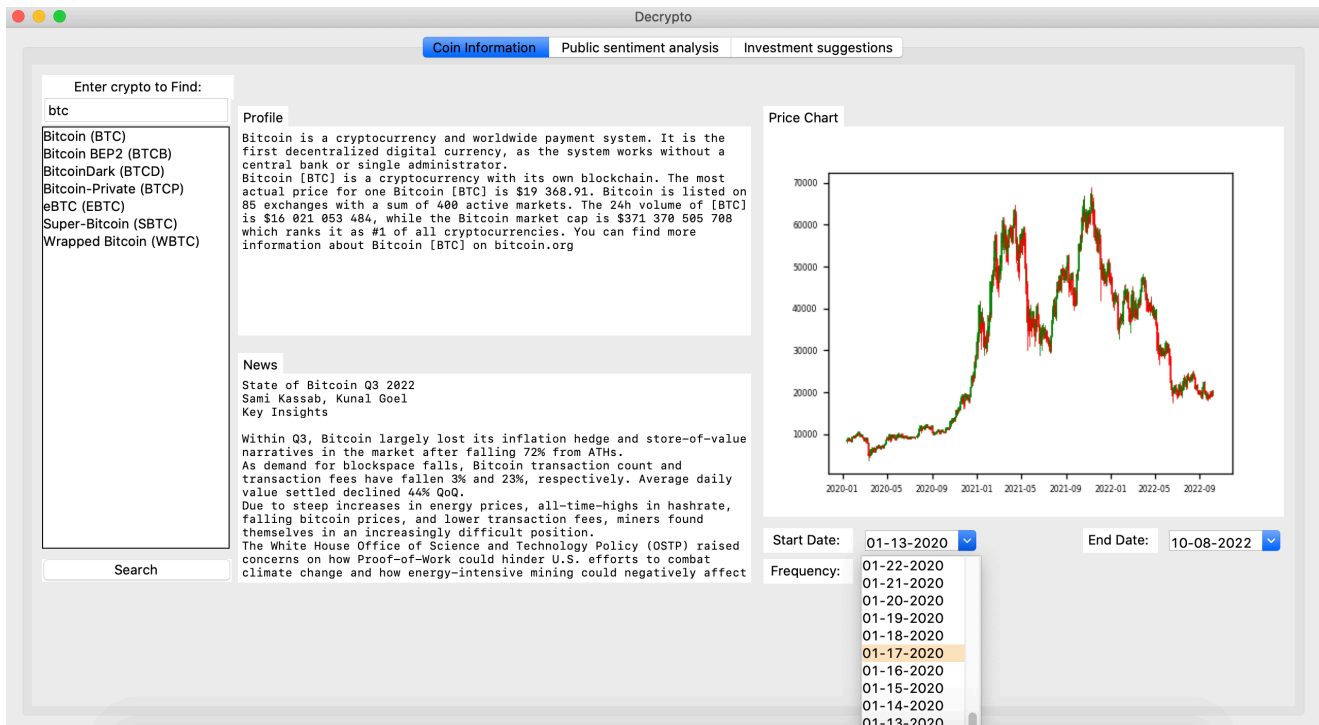
Type coin name into the search box to filter the coin. (Optional) You can also scroll down the listbox to find the coin you want.



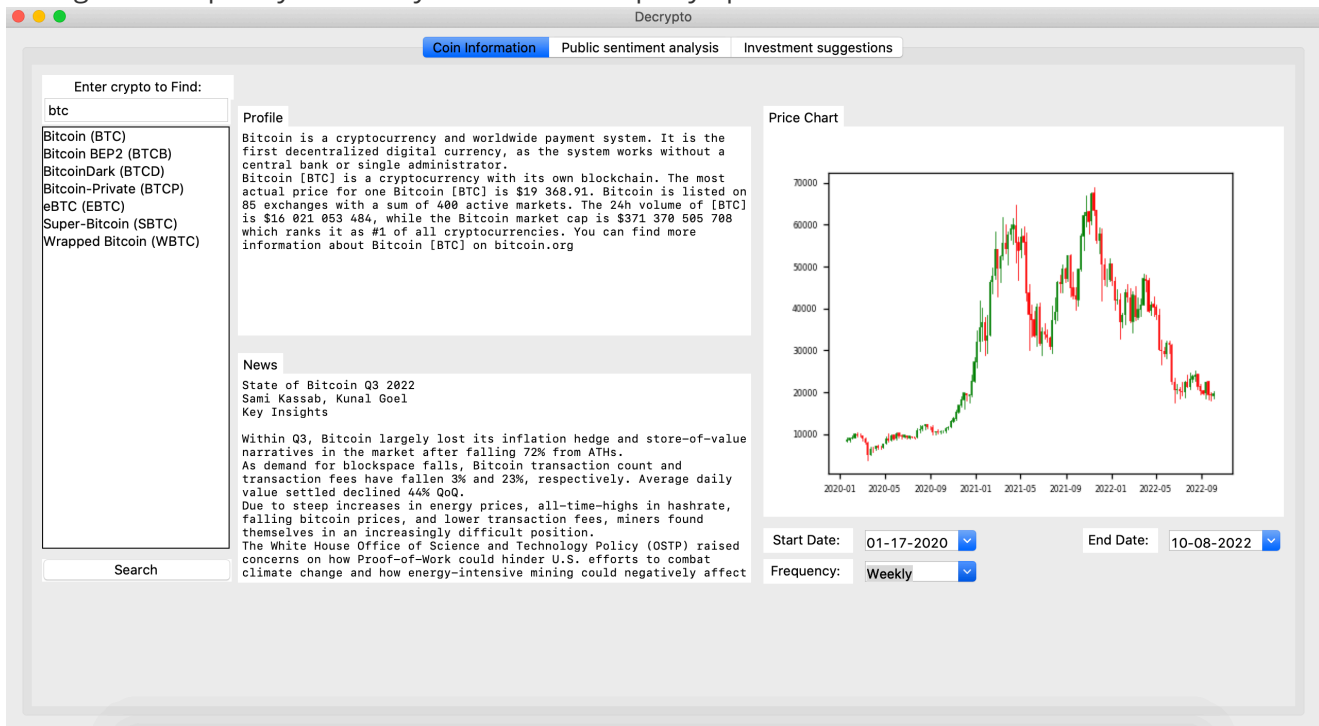
Select the coin and click search to get information about that coin. It takes about 20 seconds to retrieve data. The performance may variate on different machine, but usually it will not take more than 2 minutes.



Change the period by choose a start date or an end date



Change the frequency of data by choose the Frequency option



You can change the start date, end date and frequency both on the first page and the third page

