# Bitcoin Wallet
# W200 Project 1

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# Overview & Demo

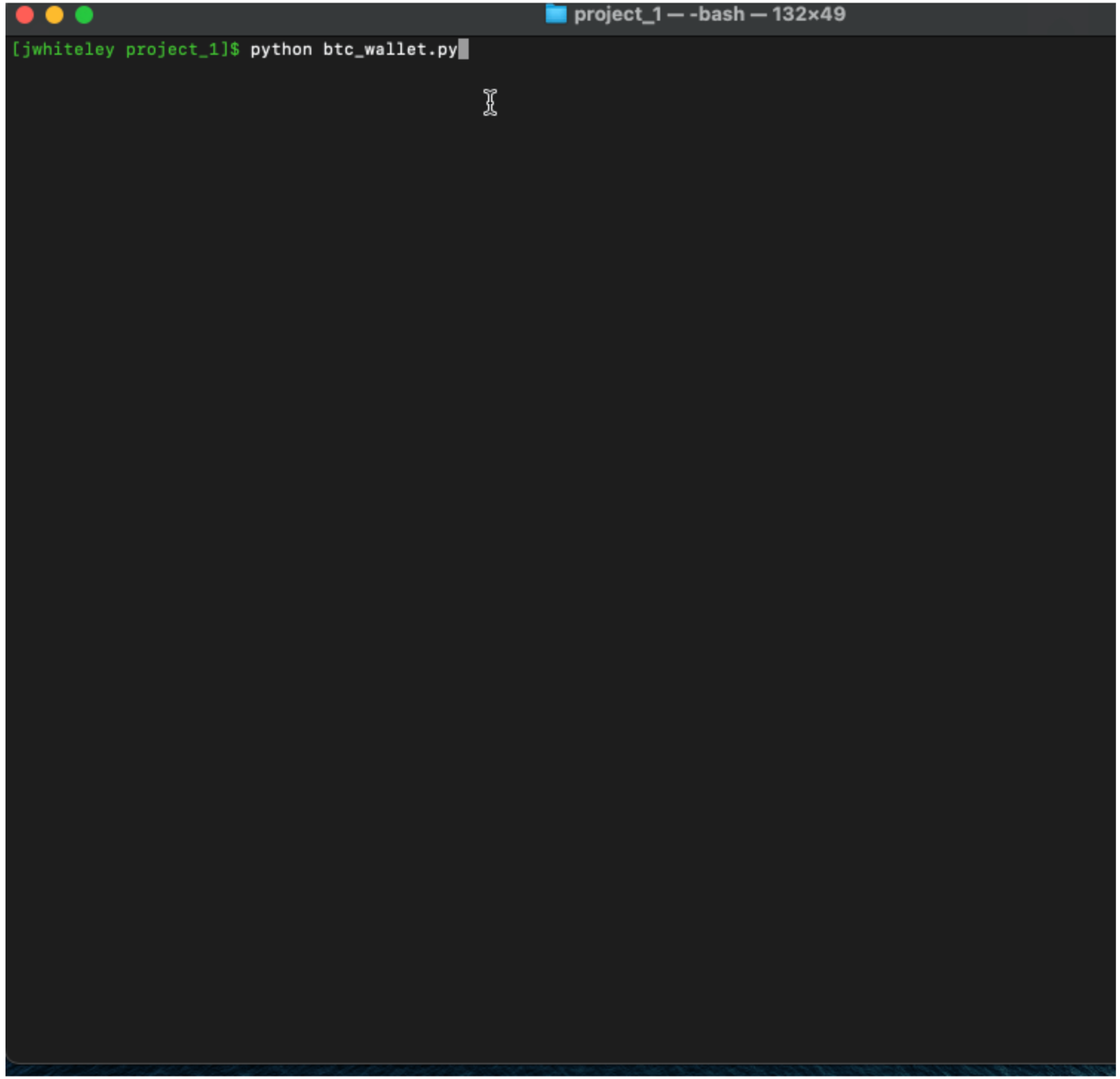
## btc_wallet.py

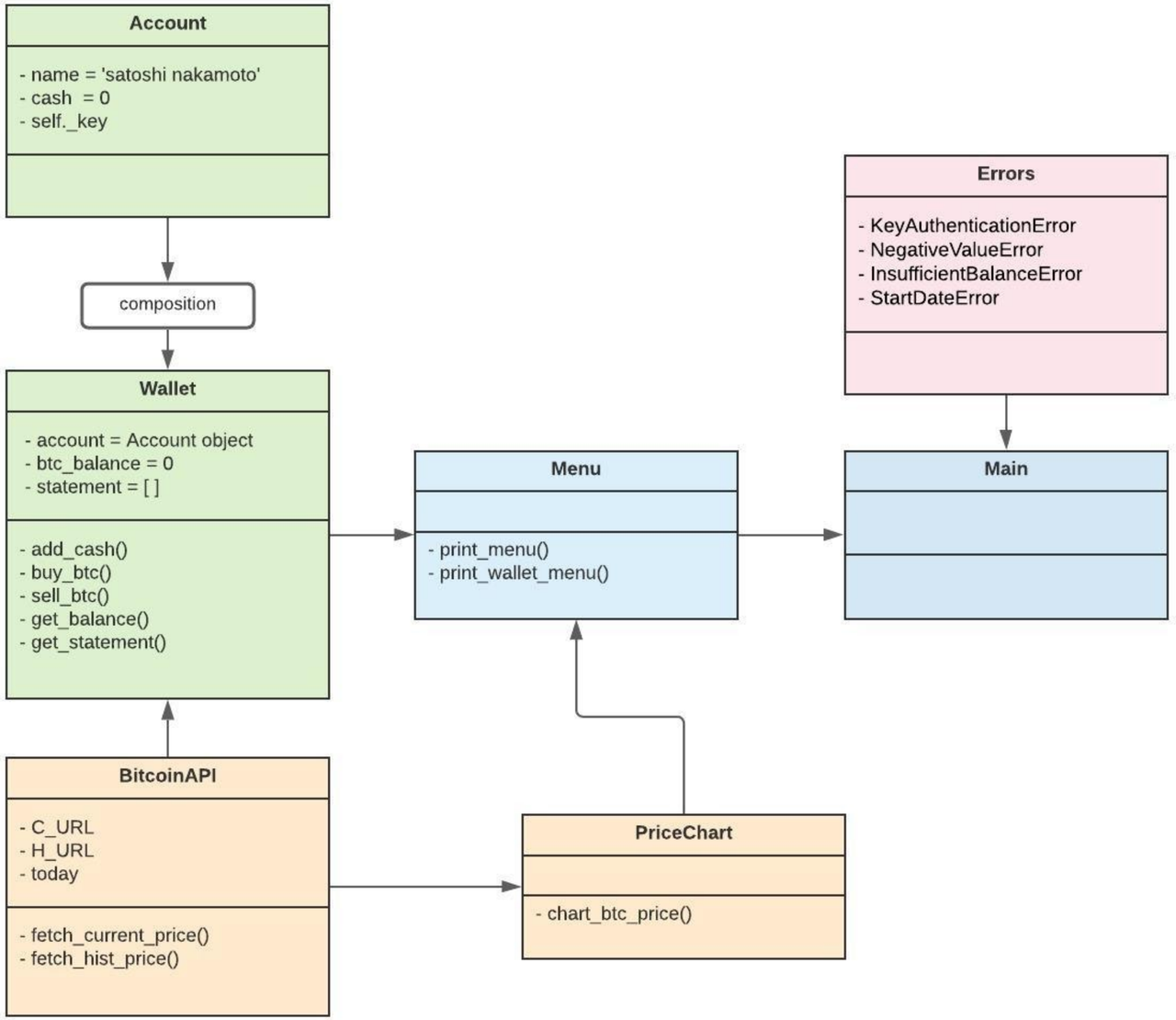
- A digital wallet is a way in which investors can buy, hold, and store the cryptocurrency.

- **Key features:**
  - fetch_current_price()  | fetch_hist_price ()
  - chart_btc_price()
  - get_statement()

- **Hurdles:** Datetime and JSON

- **Classes:**
  - Account
  - Wallet
  - PriceChart
  - BitcoinAPI
  - Menu / Errors / Main




Account
- name = 'satoshi nakamoto'
- cash = 0
- self._key
composition
Wallet
- account = Account object
- btc_balance = 0
- statement = [ ]
- add_cash()
- buy_btc()
- sell_btc()
- get_balance()
- get_statement()
BitcoinAPI
- C_URL
- H_URL
- today
- fetch_current_price()
- fetch_hist_price()
Menu
- print_menu()
- print_wallet_menu()
PriceChart
- chart_btc_price()
Errors
- KeyAuthenticationError
- NegativeValueError
- InsufficientBalanceError
- StartDateError
Main