Monthly Stock Calculator Document

Firebase Realtime database URL: <https://monthly-stock-calculator.firebaseio.com/>

Firebase Realtime database Auth json: monthly-stock-calculator.json

Path to send request: /request

Path to store result: /result

Using day close data for calculation

Variable inside /request:

* month
  + type: int
  + description: The Duration of buying stock
  + e.g. one year, month=12
* quantity
  + type: int
  + description: How many stocks will buy in monthly
  + e.g. one month buy 2, quantity = 2
* Ticker
  + Type: string
  + Description: The ticker of the stock
  + E.g. AAPL,TSLA,NVDA,AMZN
  + Only US stock is available

Package example:

|  |
| --- |
| {  'ticker' :'AAL',  'month' : 5,  'quantity': 2  } |

Variable inside /result: (all correct to 2 decimal places)

* Average\_stock\_price
  + Type: int
  + Description: The average price of the selected stock
* Cost
  + Type: int
  + Description: Total money used during this period
* Now\_Asset
  + Type: int
  + Description: the quantity of your stock \* the recent time stock price
* Percentage
  + Type: int
  + Description: Percentage change between now asset worth and cost
* Recent\_Price
  + Type: int
  + Description: The recent price of the selected stock
* Ticker
  + Type: string
  + Description: same as ticker in /request
* Month\_duration
  + Type: int
  + Description: same as month in /request

Package Example :

|  |
| --- |
| {  'Average\_stock\_price': 186.67,  'Cost': 119468.1,  'Now\_Asset': 323897.6,  'Percentage': 171.12,  'Recent\_Price': 506.09,  'Ticker': 'AAPL',  'month\_duration': 64  } |