In [ ]:
```
# First yfinance need to be installed
pip install yfinance
```

In [9]:
```
# To import yfinance
import yfinance as yf
```

In [17]:
```
# To Retrieve the TESLA data, I will use Ticker, where yf is for yfinance
gme_stock = yf.Ticker("GME")
```

In [18]:
```
# Retrieving Historical Tesla Stock Data for Maximum Available period
hist_gme = gme_stock.history(period = "max")
```

In [20]:
```
# To Print Data
print(hist_gme)
```

```
                                 Open       High        Low      Close  \
Date
2002-02-13 00:00:00-05:00   1.620128   1.693350   1.603296   1.691666
2002-02-14 00:00:00-05:00   1.712707   1.716074   1.670626   1.683251
2002-02-15 00:00:00-05:00   1.683250   1.687458   1.658002   1.674834
2002-02-19 00:00:00-05:00   1.666418   1.666418   1.578047   1.607504
2002-02-20 00:00:00-05:00   1.615920   1.662209   1.603295   1.662209
...                              ...        ...        ...        ...
2025-02-18 00:00:00-05:00  27.030001  27.590000  26.660000  26.969999
2025-02-19 00:00:00-05:00  26.799999  26.959999  25.920000  26.000000
2025-02-20 00:00:00-05:00  25.799999  27.450001  25.760000  27.040001
2025-02-21 00:00:00-05:00  27.250000  27.580000  26.160000  26.420000
2025-02-24 00:00:00-05:00  26.340000  26.389999  24.950001  25.000000

                             Volume  Dividends  Stock Splits
Date
2002-02-13 00:00:00-05:00  76216000        0.0           0.0
2002-02-14 00:00:00-05:00  11021600        0.0           0.0
2002-02-15 00:00:00-05:00   8389600        0.0           0.0
2002-02-19 00:00:00-05:00   7410400        0.0           0.0
2002-02-20 00:00:00-05:00   6892800        0.0           0.0
...                             ...        ...           ...
2025-02-18 00:00:00-05:00   5337800        0.0           0.0
2025-02-19 00:00:00-05:00   4382100        0.0           0.0
2025-02-20 00:00:00-05:00   7735200        0.0           0.0
2025-02-21 00:00:00-05:00   6130900        0.0           0.0
2025-02-24 00:00:00-05:00   5948500        0.0           0.0

[5795 rows x 7 columns]
```

In [21]:
```
hist_gme.head()
```

Out[21]:

Date	Open	High	Low	Close	Volume	Dividends	Stock Splits
2002-02-13 00:00:00-05:00	1.620128	1.693350	1.603296	1.691666	76216000	0.0	0.0
2002-02-14 00:00:00-05:00	1.712707	1.716074	1.670626	1.683251	11021600	0.0	0.0
2002-02-15 00:00:00-05:00	1.683250	1.687458	1.658002	1.674834	8389600	0.0	0.0
2002-02-19 00:00:00-05:00	1.666418	1.666418	1.578047	1.607504	7410400	0.0	0.0
2002-02-20 00:00:00-05:00	1.615920	1.662209	1.603295	1.662209	6892800	0.0	0.0

In [23]:
```
print(hist_gme.tail())
```

```
                                 Open       High        Low      Close  \
Date
2025-02-18 00:00:00-05:00  27.030001  27.590000  26.660000  26.969999
2025-02-19 00:00:00-05:00  26.799999  26.959999  25.920000  26.000000
2025-02-20 00:00:00-05:00  25.799999  27.450001  25.760000  27.040001
2025-02-21 00:00:00-05:00  27.250000  27.580000  26.160000  26.420000
2025-02-24 00:00:00-05:00  26.340000  26.389999  24.950001  25.000000

                            Volume  Dividends  Stock Splits
Date
2025-02-18 00:00:00-05:00  5337800        0.0           0.0
2025-02-19 00:00:00-05:00  4382100        0.0           0.0
2025-02-20 00:00:00-05:00  7735200        0.0           0.0
2025-02-21 00:00:00-05:00  6130900        0.0           0.0
2025-02-24 00:00:00-05:00  5948500        0.0           0.0
```

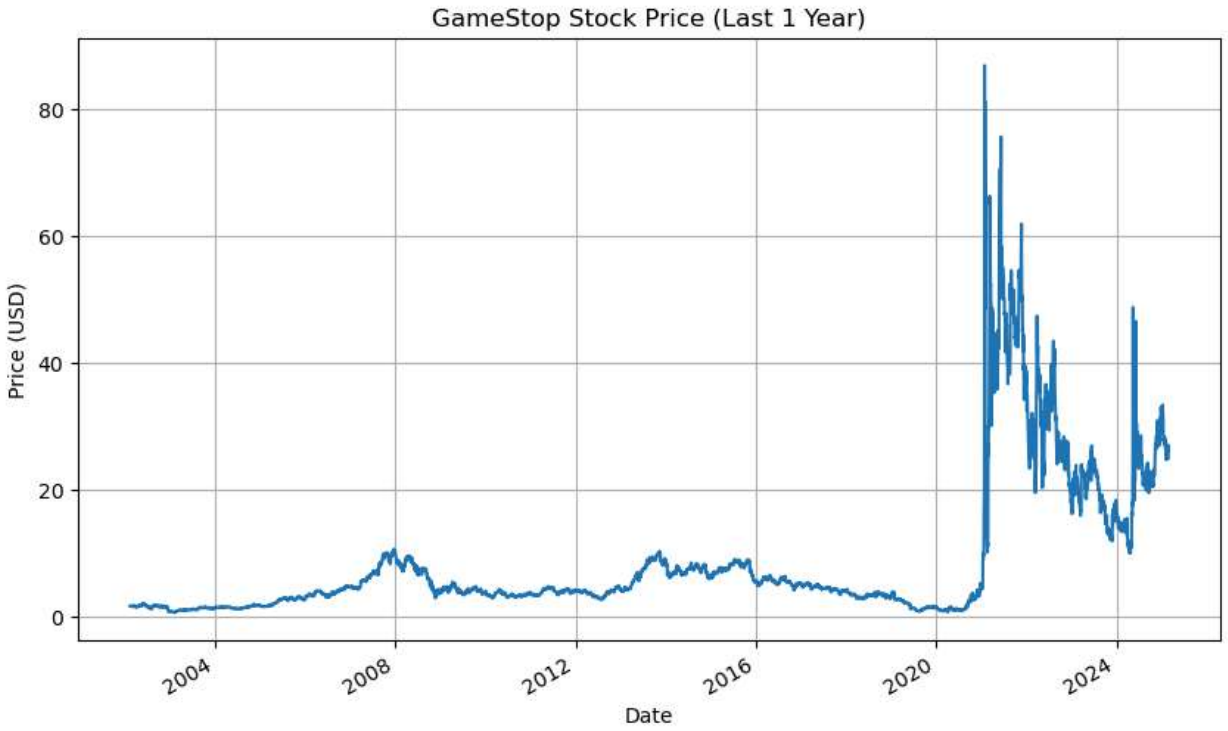
In [27]:
```
# To Retrieve Game Stop Revenue Data, the Financial Statement needs to retrieved first
fin_statement = gme_stock.financials
```

In [28]:
```
# To print
print(fin_statement.loc['To'])
```

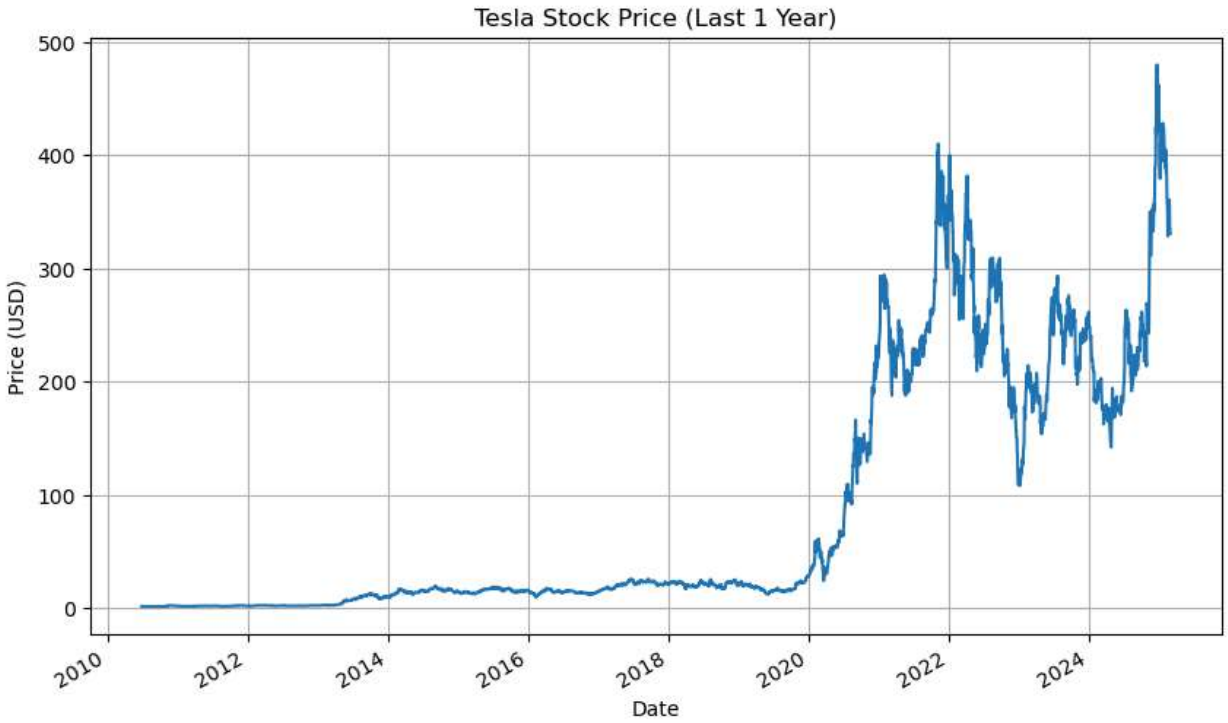
```
                                    2024-01-31    2023-01-31    2022-01-31  \
Selling General And Administration  1323900000.0  1681000000.0  1709600000.0
Gross Profit                        1294200000.0  1372100000.0  1347800000.0
Cost Of Revenue                     3978600000.0  4555100000.0  4662900000.0
Total Revenue                       5272800000.0  5927200000.0  6010700000.0
Operating Revenue                   5272800000.0  5927200000.0  6010700000.0

                                    2021-01-31
Selling General And Administration  1514200000.0
Gross Profit                        1259500000.0
Cost Of Revenue                     3830300000.0
Total Revenue                       5089800000.0
Operating Revenue                   5089800000.0
```

In [41]:
```
# To make graph for GameStop Stock Data, the "matplotlib needs to be imported", I am g
import matplotlib.pyplot as make_graph
```

```
#The data is in 'hist_game', the below function contains attributes of Graphs as size,
hist_gme['Close'].plot(figsize=(10, 6), title="GameStop Stock Price (Last 1 Year)", xl
# To show the graph, the show() is utilized
make_graph.show()
```



In [42]:
```
# To make graph for GameStop Stock Data, the "matplotlib needs to be imported", I am g
import matplotlib.pyplot as make_graph
#The data is in 'hist_tesla', the below function contains attributes of Graphs as size
hist_tesla['Close'].plot(figsize=(10, 6), title="Tesla Stock Price (Last 1 Year)", xla
# To show the graph, the show() is utilized
make_graph.show()
```



In [ ]: