In [1]:
```
import yfinance as yf
import pandas as pd
import requests
from bs4 import BeautifulSoup
import plotly.graph_objects as go
from plotly.subplots import make_subplots

def make_graph(stock_data, revenue_data, stock):
    fig = make_subplots(rows=2, cols=1, shared_xaxes=True, subplot_titles=("Historical Share Price", "Historical Revenue"), vertical_spacing = .3)
    fig.add_trace(go.Scatter(x=pd.to_datetime(stock_data.Date, infer_datetime_format=True), y=stock_data.Close.astype("float"), name="Share Price"), row=1, col=1)
    fig.add_trace(go.Scatter(x=pd.to_datetime(revenue_data.Date, infer_datetime_format=True), y=revenue_data.Revenue.astype("float"), name="Revenue"), row=2, col=1)
    fig.update_xaxes(title_text="Date", row=1, col=1)
    fig.update_xaxes(title_text="Date", row=2, col=1)
    fig.update_yaxes(title_text="Price ($US)", row=1, col=1)
    fig.update_yaxes(title_text="Revenue ($US Millions)", row=2, col=1)
    fig.update_layout(showlegend=False,
    height=900,
    title=stock,
    xaxis_rangeslider_visible=True)
    fig.show()

Gme = yf.Ticker('GME')

gme_data = Gme.history(period = "max")
gme_data.reset_index(inplace = True)
gme_data.head()
print(gme_data)

url = "https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMDeveloperSkillsNetwork-PY0220EN-SkillsNetwork/labs/project/stock.html"
html_data = requests.get(url).text

soup = BeautifulSoup(html_data, "html.parser")
soup.find_all('title')

gme_revenue = pd.DataFrame(columns =['Date','Revenue'])
for row in soup.find_all("tbody")[1].find_all("tr"):
    col = row.find_all("td")
    date = col[0].text
    revenue = col[1].text.replace("$","").replace(",","")
    gme_revenue = gme_revenue.append({"Date":date, "Revenue": revenue}, ignore_index = True)

gme_revenue.dropna(inplace=True)
gme_revenue = gme_revenue[gme_revenue['Revenue'] != ""]

gme_revenue.tail()

make_graph(gme_data, gme_revenue, 'Gme')
```

```
           Date       Open       High        Low      Close    Volume  \
0    2002-02-13   1.620128   1.693350   1.603296   1.691667  76216000
1    2002-02-14   1.712707   1.716074   1.670626   1.683250  11021600
2    2002-02-15   1.683250   1.687458   1.658002   1.674834   8389600
3    2002-02-19   1.666418   1.666418   1.578047   1.607504   7410400
4    2002-02-20   1.615920   1.662210   1.603296   1.662210   6892800
...         ...        ...        ...        ...        ...       ...
5171 2022-08-29  30.480000  32.750000  30.379999  31.549999   4292700
5172 2022-08-30  31.620001  31.870001  29.420000  29.840000   5060200
5173 2022-08-31  29.250000  29.959999  28.260000  28.639999   5157000
5174 2022-09-01  28.000000  28.910000  26.950001  27.629999   5293900
5175 2022-09-02  28.260000  28.740000  26.930000  27.360001   4675200

      Dividends  Stock Splits
0           0.0           0.0
1           0.0           0.0
2           0.0           0.0
3           0.0           0.0
4           0.0           0.0
...         ...           ...
5171        0.0           0.0
5172        0.0           0.0
5173        0.0           0.0
5174        0.0           0.0
5175        0.0           0.0

[5176 rows x 8 columns]
```

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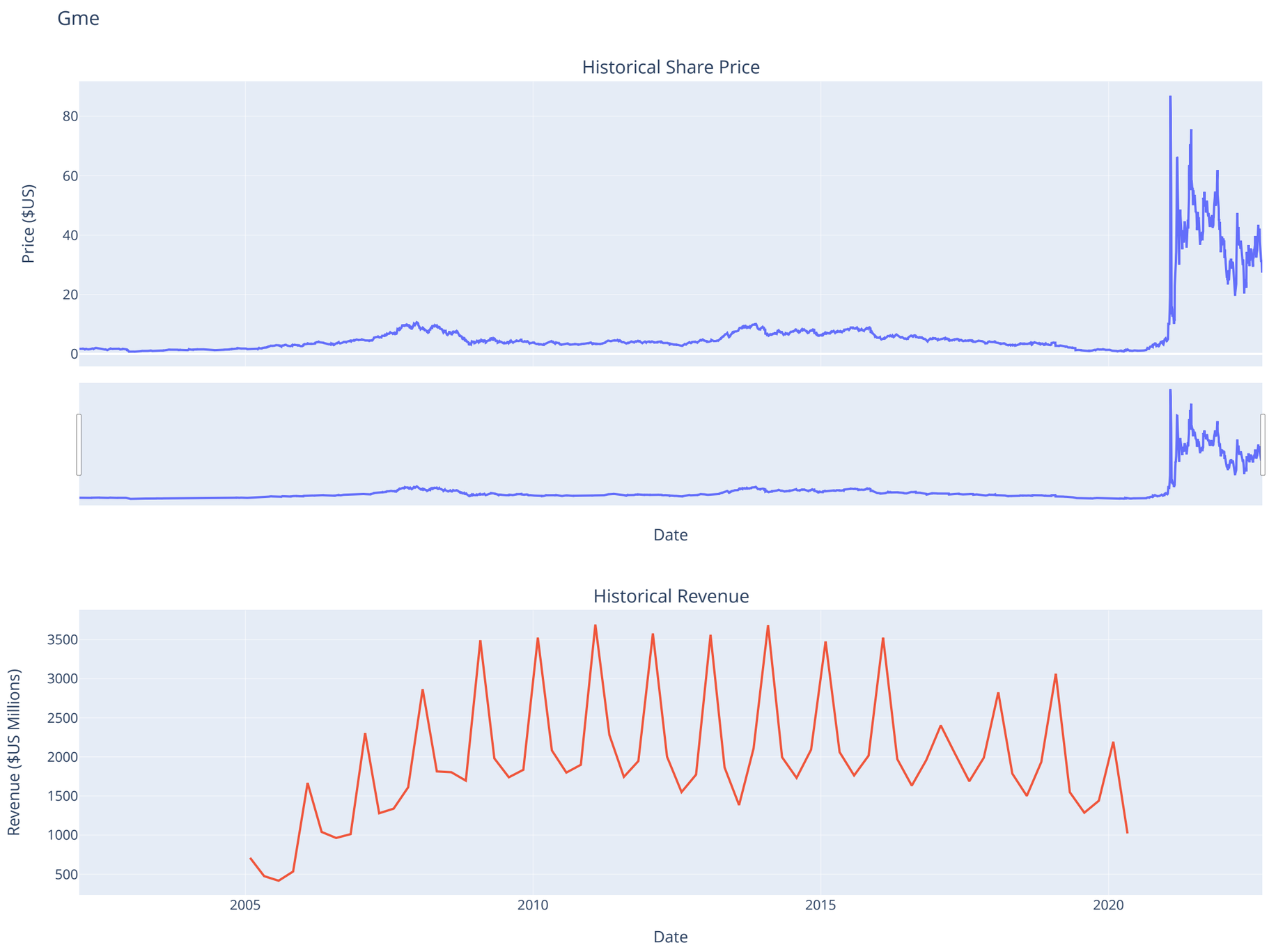
C:\Users\Amin\AppData\Local\Temp\ipykernel_9532\3141020916.py:40: FutureWarning: The frame.append method is deprecated and will be removed from pandas in a future version. Use pandas.concat ins
tead.
  gme_revenue = gme_revenue.append({"Date":date, "Revenue": revenue}, ignore_index = True)
```



In [ ]: