12/17/24, 4:17 PM Untitled7

```
In [ ]: import yfinance as yf
import matplotlib.pyplot as plt
import mplfinance as mpf
# Download GameStop stock data
gme_data = yf.download('GME', start='2023-01-01', end='2024-01-01')
def make_graph(data, title):
    Create a candlestick chart for stock data
    Parameters:
    data (pd.DataFrame): DataFrame containing stock price data
    title (str): Title of the graph
    # Configure the plot style
    style = mpf.make_mpf_style(base_mpf_style='yahoo', rc={'font.size':10})
    # Create the plot
    mpf.plot(data,
             type='candle',
             volume=True,
             title=title,
             style=style,
             figsize=(12,8),
             ylabel='Stock Price ($)',
             ylabel_lower='Volume')
# Call the function with GameStop data and a title
make_graph(gme_data, 'GameStop (GME) Stock Price and Volume')
```