Project: Data Dashboard for Stock Prices (Matplotlib/Plotly) <u>DESIGN</u>
Team Members: Inshaal, Boris

Objectives:
- Project Scope:
  - Easy to read dashboard with daily stock prices
  - Contains adjacent data: volume, volatility (day-by-day), price change (%) within different timeframes (data)
  - Provide a visualisation (price change within week, volatility, volume, etc.)

- Programming tools/frameworks:
  - Graphs: Matplotlib
  - Tables: Pandas Library
  - UI: Instead of the command line, create a UI (save for the end)
  - Data: Yahoo Finance Library

Project Timeline & Objectives:
- Week 5:
  - Inshaal: Data scraping from Yahoo Finance (Script) + Define timeframe
  - Boris: Design of Pandas table to display data
  - Team: Parameters must be decided by end of week

- Week 6:
  - Split Matplotlib Graph duties
  - Boris: Create Plot
  - Inshaal: Create labels (grid, axis, titles, positions)
  - Start planning for web app UI

- Week 7:
  - Split duties for web app UI
  - Boris: Button Functionality
  - Inshaal: Design layout design (easy readability, intuitive)

- Week 8:
  - Team: Run tests on py-test
  - Final Debugging for the final version of the program

- Week 9:
  - Final Version should be ready