**Gangs of Data Analyst Project 2 Proposal  
Topic: Stock-Market-Dashboard  
GitHub:** <https://github.com/fomosun/Project2_Stock_Market_Dashboard> **Group Members: Anika Tabassum, Ciaran Walsh and Fidelis Omosun**

Creating a stock market dashboard from a Realtime API (iexcloud) that allows investors/user to track daily, weekly and monthly performance of stocks.   
Our goal is to be able to give user/investor the ability to select and view stock trends, Analyze relative performance (% change) in stocks over the day, ability to take a snapshot/picture of the chart with a button and also give them options to register on our platform to receive stock trend email update.

**Functionalities:**

1. Charting

Take user/investor input of ticker Symbol e.g. (AMZN) and Query the API(<https://iexcloud.io/>) for data. With the data points open, close, high and low we will Output a candlestick chart with the ability to scale to different time series. Add simple moving averages to provide actionable insights.

1. Portfolio Calculator

This calculator will allow the user/investor to select from a drop down list 4 pre-built portfolios then Input an Investment size. Query API for current prices then Output suggested allocation into each stock in portfolio selected. Generate a pie chart of the portfolio. May add option to build and save custom portfolio.

**Some of the Technologies and Libraries we intend to implement are:**

D3.js - Charting

React.js – Charting + Animation

Python – Query API

HTML/CSS

Javascript

Postgres – Pre-built portfolios + Save Custom Portfolio

