# Meeting the Brief

# Investigation

The idea of predicting stock markets has been around for quite some time. A man named Burton Malkiel said in 1973 that stock prices could not be predicted looking solely at price history, I would like to create a project that tests this hypothesis. Major inspiration from this project came from existing analytical solutions, such as Apples stocks app on iOS, Yahoo Finance, and the Nasdaq’s own indexes.

Predicting stocks first piqued my interest when I was investigating bitcoin, and was curious as to whether or not its characteristic fluctuations in market value could be predicted, unfortunately I will not be able to use bitcoin in this project, because it’s up-to-date value and histories were locked behind apis. Because of this, another great option presented itself. The Stock Market, specifically the Nasdaq. Unlike bitcoin, the Nasdaq has a free api which allows you to download all historical data from and to, any point in time. This made it ideal for this project considering all datasets have to be publicly available.

Similar solutions do exist. Financial analytics is an entire branch of mathematics, leading to incredibly lucrative careers. In fact, next year I could potentially be studying Data Science and Analytics, a very similar field of study.

# Plan and Design

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# Create

# Evaluation

# References