The objective of our project was to create an app that can be used by the casual user to evaluate the viability of short to intermediate length trades. The user will be able to decide between various stocks that have been filtered out due to their trend, and subsequently ranked for their risk, and make an informed decision on what stocks to engage.

**Motivations and Objectives**

- **Motivations**
  - Easy to use mobile app will get more younger people interested in investing
  - App creation and R mastery are marketable skills to use to gain employment
- **Objectives**
  - Create app that communicates with server and has appealing user interface
  - Create an algorithm in R that outputs possible trades and back test to see the effectiveness

**Research Challenges**

- Sheer amount of methods of filtering options
- Determining what factors are useful to look at to assess risk
- Interaction of R with our application
- Time analysis in R

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**References**

[1] Stackoverlow.com
[2] Investopedia.com