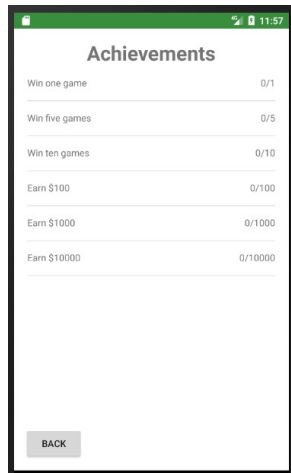
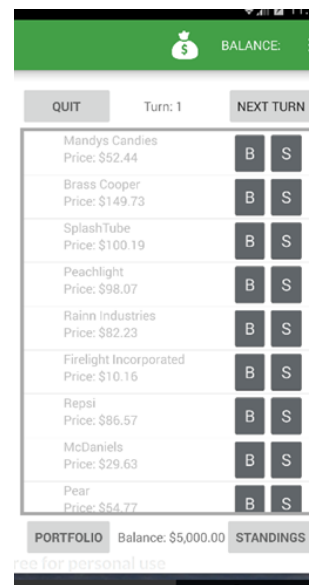


Snapshots

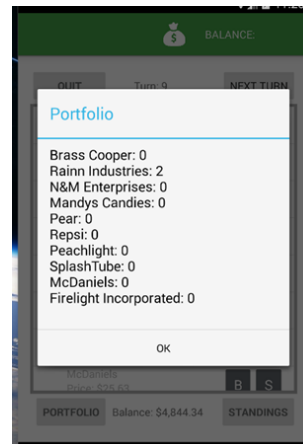
The application home page. The user can view their achievements, find a public game, create their own private game, join a friend's private game, or view their settings.



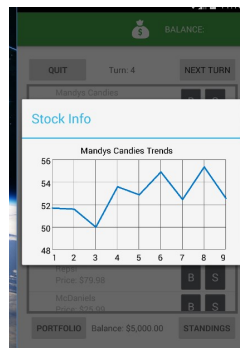
The main game page. During each turn, users are able to browse the various fictional companies and buy or sell their stocks.



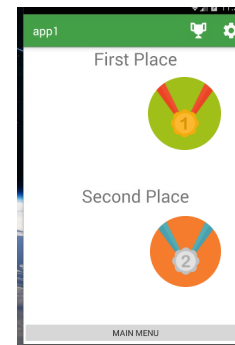
The achievements page. These extra objectives can be unlocked by ambitious players who desire a challenge or wish to play the game in fresh or unorthodox ways.



While in a public or private game, users can view their or opponent portfolios, which displays their stocks and quantities.

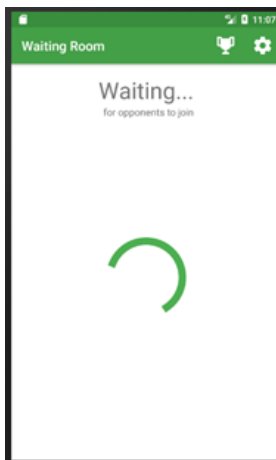


When in a public or private game, players can gain further insight into the various companies by selecting them and viewing their stock trends and relevant information.



After the completion of a private or public game, players are brought to the final standings screen, which displays the victor and runner ups and each's overall profits.

The waiting room screen. The user encounters this screen when selecting to join a public game as they connect to other players or when they create their own private game and they wait for their friends to join.



Team 5

Alejandro Aguilar

Arjun Ohri

Deep Patel

Kartik Patel

Elisa-Michelle Rodriguez

William He

Bryan Benalcazar

<https://github.com/Slokh/rags-to-riches>



Features

Rags to Riches is an application for Android smartphones that aims to educate students, novice investors, and anyone with the desire to learn about economics and the stock market. The app functions as a turn based game, and boasts several features that make the experience both educational and enjoyable, such as:

Explore a fantasy stock market

Enter a fictional stock market with imaginative companies, each with its own backstory and characteristics. Invest in those companies that you think will be successful and lead you on the road to riches.

Learn how the stock market works

Educate yourself on the basics of the stock market, learn basic and advanced concepts, and flex your economic muscles. Whether used for academic or personal objectives, both novice investors wishing to dip their toes into stocks or veterans wanting to hone their skills, Rags to Riches helps gain a foundation about the stock market and prepares users for the real world version.

Dynamic Games

No two games are the same, with each game having a random collection of companies, with random stock prices. Every game is fresh, ensuring you are always on your economic toes.

Play online or with friends

Test your skills online against other investors to see who is the master of stocks. Or, invite your friends to a casual, private game for ultimate bragging rights.

Stats and Achievements

Review your game stats to see your performance and devise strategies for the future. Prove to be the best by unlocking all the achievements, by playing expertly or unorthodoxly.

User Portfolios

Keep track of your current game stocks and profits, and compare to rival portfolios in that game. Outwit your opponents, design your strategy, and maximize your profits.

Share your accomplishments

Link your account to social media and share your unlocked achievements and game stats.

System Requirements

The system requirements to run the application are an Android smartphone. The smartphone must have a color display with a functional touchscreen. In order to play online with other players, the device should have reliable internet access either through Wi-Fi or cellular data. Additionally, the device will require memory to install the application and to store the application data.



A Samsung Galaxy S7

The game server will store external application data, such as user accounts, profiles, game data, and stock data.

Block Diagram

