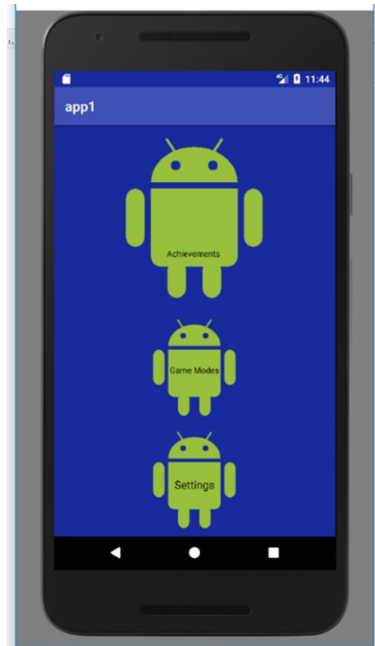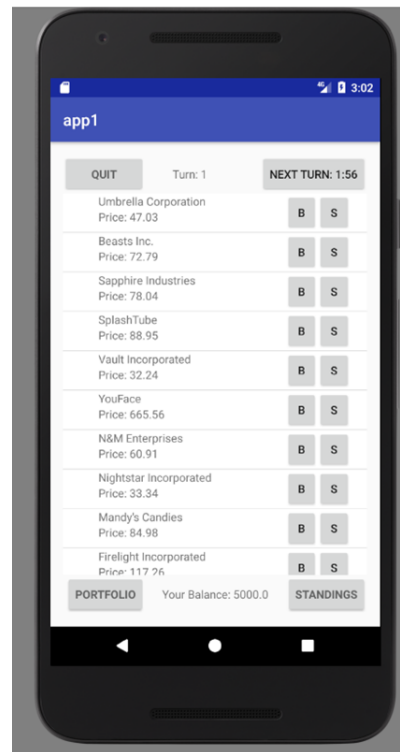# Snapshots

The application home page. The user can view their achievements, proceed to the game mode page, 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.

RAGS TO RICHES
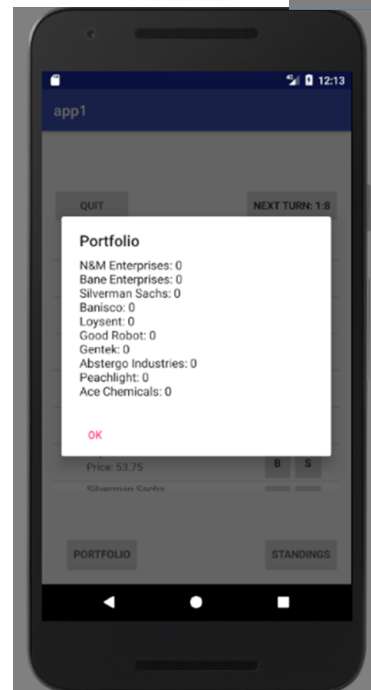

The game mode screen. Users can choose between joining a public game, or create their own private game.

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

Team 5

Alejandro Aguilar

Arjun Ohri

Deep Patel

Kartik Patel

Elisa-Michelle Rodriguez

William He

Bryan Benalcazar

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

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.

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.

Block Diagram