Stock Market Investment Fantasy League

User Documentation

(app icon)

Group 1

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Project URL

https://github.com/rkellerman/Stockers

March 12, 2017

Stockers provides this User Guide in order to help new user get acquainted with the application. This guide is for users with little to no prior experience in Stockers.

1.0 Getting Started

To run the Stockers application in its current state, the user must download an android emulator. This User Guide will use Android Studio's Nexus 5 Emulator.

1.1 Installing Android Studio

The user must download Android Studio from the website.

Android Studio - (https://developer.android.com/studio/index.html?gclid=Cj0KEQjwtu3GBRDY6ZLY1erL44EBEiQ AAKIcvhJK-rC59nBkeEiqBPD2RqQttlFNgE_uHIV3afyC3-8aAqs48P8HAQ)

1.2 Creating an Emulator

To create an emulator, click the AVD manager icon in the top toolbar highlighted below. On the bottom of the pop-up window click create new device.
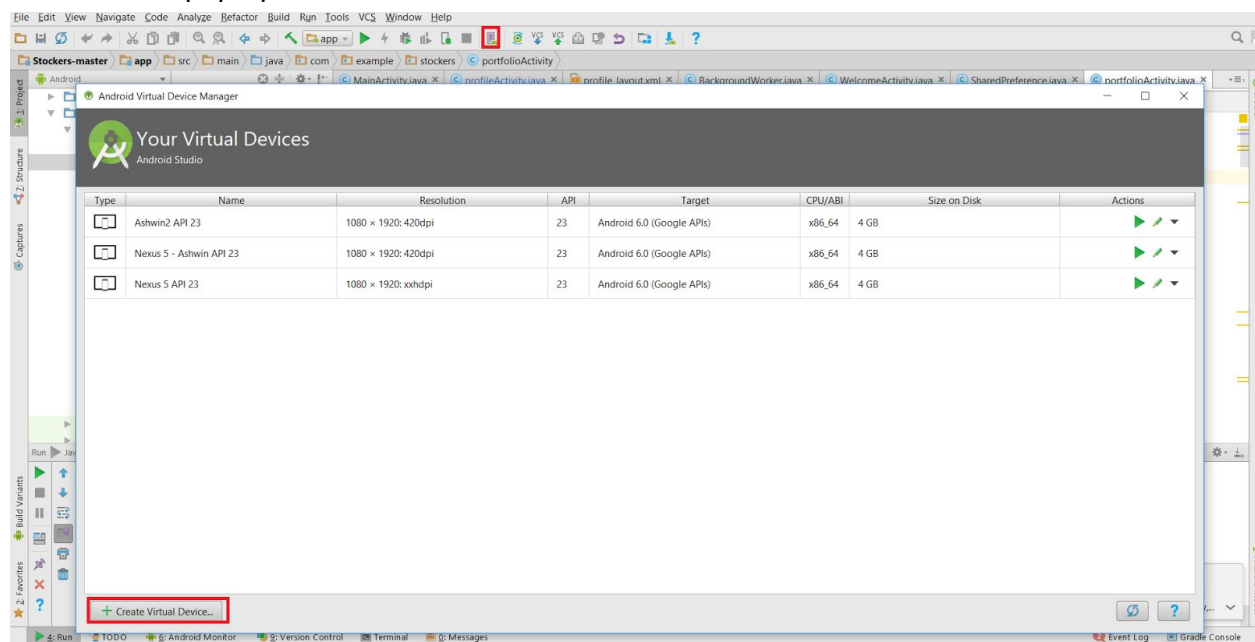
Use the Nexus 5 Emulator and use Android OS Marshmallow - 6.0.

1.3 New Project

In Android Studio, the user must create a new project and use the folder we have provided within this parent directory. To create the project click *FILE>NEW>IMPORT* and import the project folder we have provided.

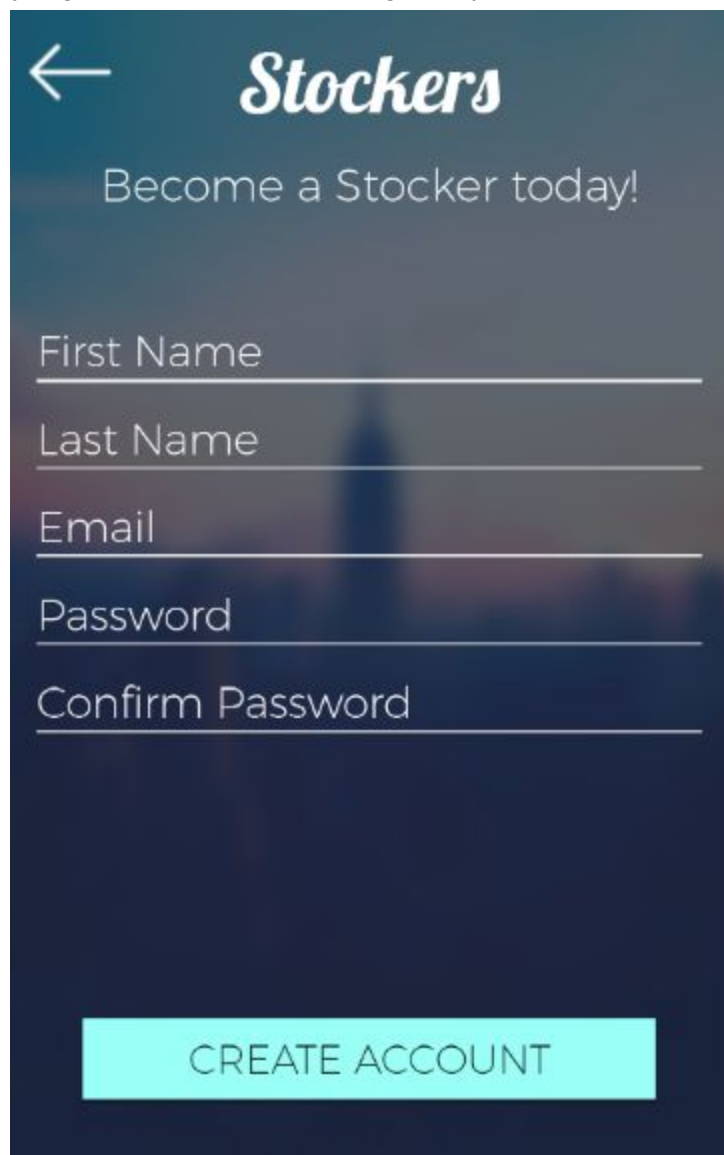## 1.4 Running the Application

After the application has downloaded, you can run the application by looking in the emulator for the application.

2.0 Register / Login

When the application launches on the emulator, the Login page will be displayed(shown below).
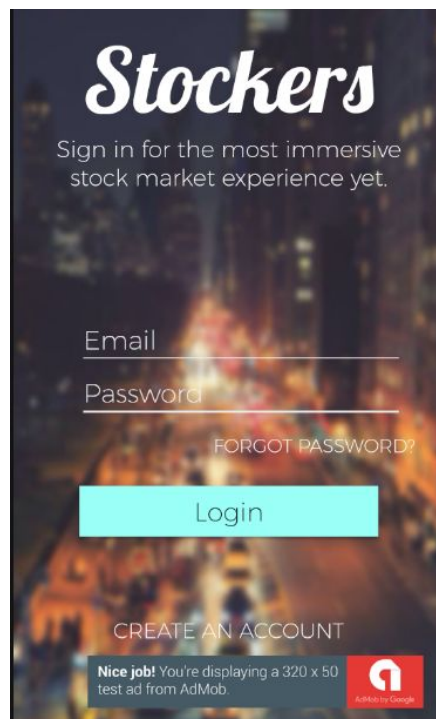
1. If the user already has an account, they must input the login credentials they registered with.
2. If the user does not have an account, they must press "CREATE AN ACCOUNT" to register an account with Stockers. They will then be directed to the register page(shown below) where they must fill in:
   a. First Name
   b. Last Name
   c. Email
   d. Password
   e. Confirm Password
3. Once the account has been created the user will be directed to the login page. Login with the newly registered account. The Login may take a few seconds.

4. Once successfully logged in, the "My Portfolio" page will be displayed and the user can see their current net worth at $10,000.
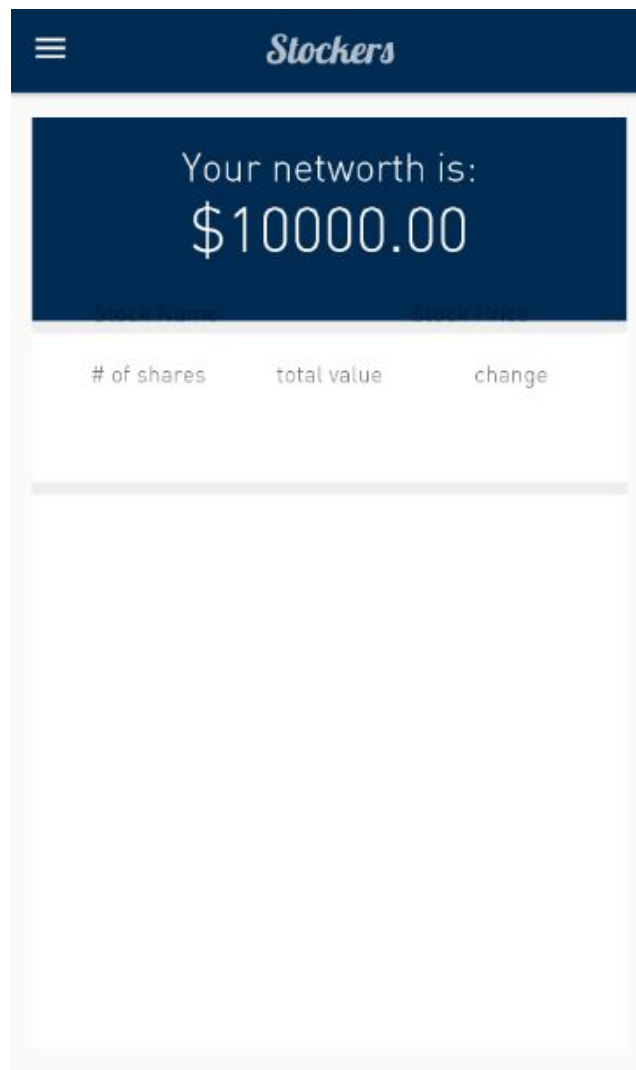
3.0 Navigation Bar

Stockers utilizes a side navigation bar that pulls from left to right. To open the navigation bar, press the Navigation Button on the top left of ANY page.
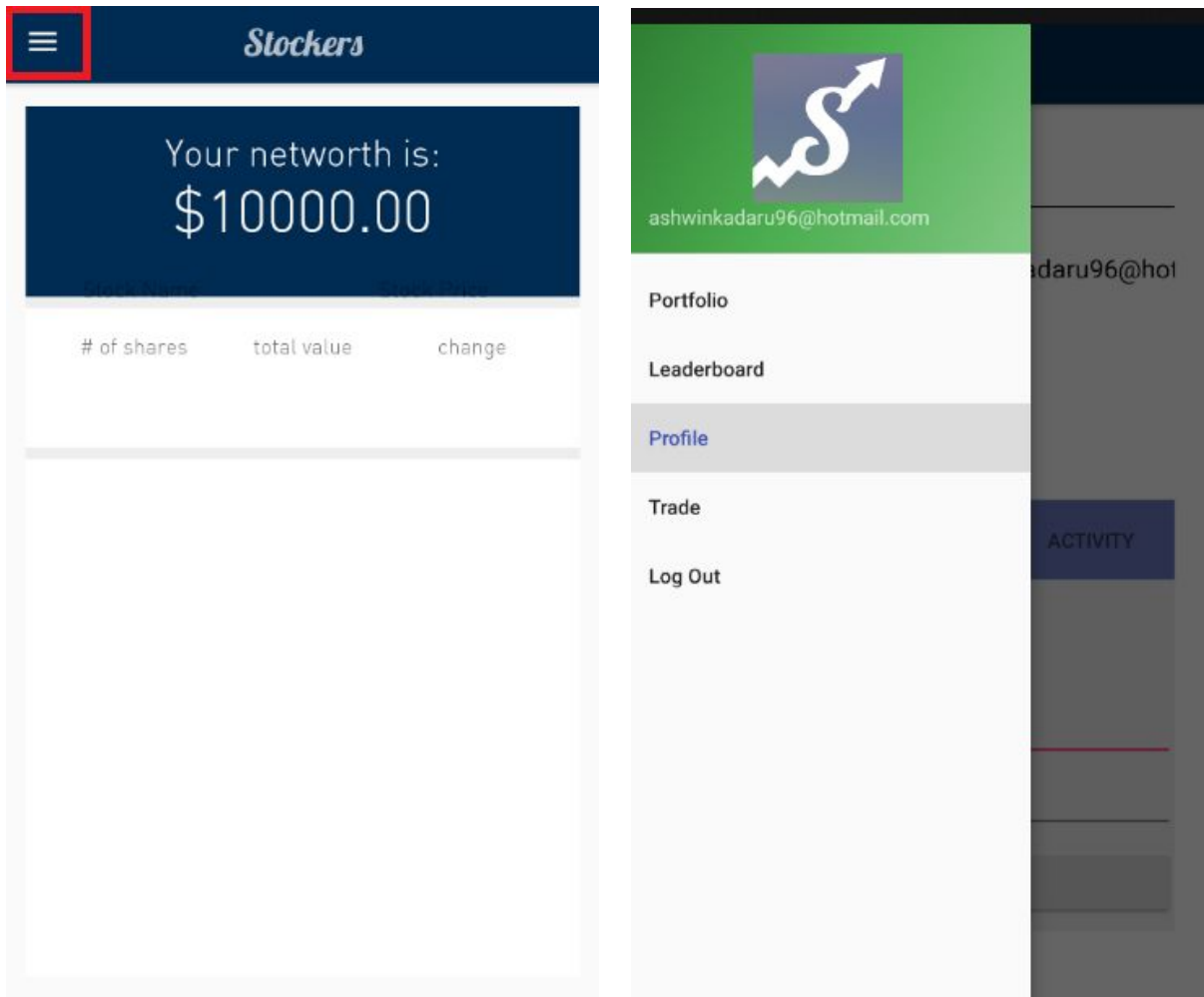
4.0 Performing a Transaction

To perform ANY transactions, the player must navigate to the "Trades" page via the Navigation Bar. Players in Stockers can buy and sell stocks given the following requirements:

1. The stock that is searched for exists.
2. The user has sufficient funds to purchase the stock.
3. The user has sufficient number of stocks to sell the stock.

The trades page is shown below.

4.1 Searching for Stocks

To search for a Stock, type the stock ticker symbol in the search bar on the "*Trades*" page, and press "Search".

After searching for the stock, the current stock information will be displayed.

4.2 Buying a Stock

To buy a stock the user must search for a stock by ticker symbol, enter the number of shares they want to purchase, and click "BUY".

1. If the user does not have sufficient funds, an error message will be displayed.
2. If the user has sufficient funds, a success message will be displayed.
3. If the stock has been successfully purchased, the user navigate to their "*My Portfolio*" page via the side navigation bar to see changes to their portfolio.

4.3 Selling a Stock

Selling a stock in Stockers in similar to buying a stock. The user must follow predefined steps listed below:

1. Navigate to the "*Trade*" page
2. Search for the stock that they want to sell.
   a. They must also own this stock.
3. Enter the number of shares they want to sell and press Sell.
4. If the user does not have efficient shares an error message will be displayed

5. If the user has sufficient shares the changes from the transaction will be reflected in the leaderboards page and the portfolio page.
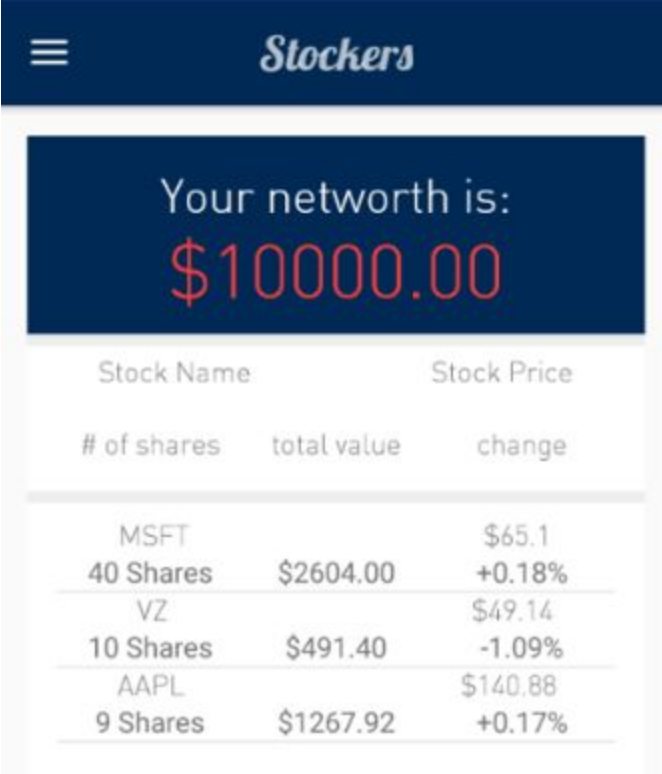
5.0 Managing Your Portfolio

The user can view changes and monitor their account through the "*My Portfolio*" page. Navigate to the "*My Portfolio*" page via the side navigation bar.

5.1 View Networth

The net worth will be displayed at the top of the "*My Portfolio*" page.
1. If the net worth is red, then the user has a negative net gain in relation to the starting $10,000 the user starts with.
2. If the net worth is green, then the user has a positive net gain in relation to the starting $10,000 the user starts with.
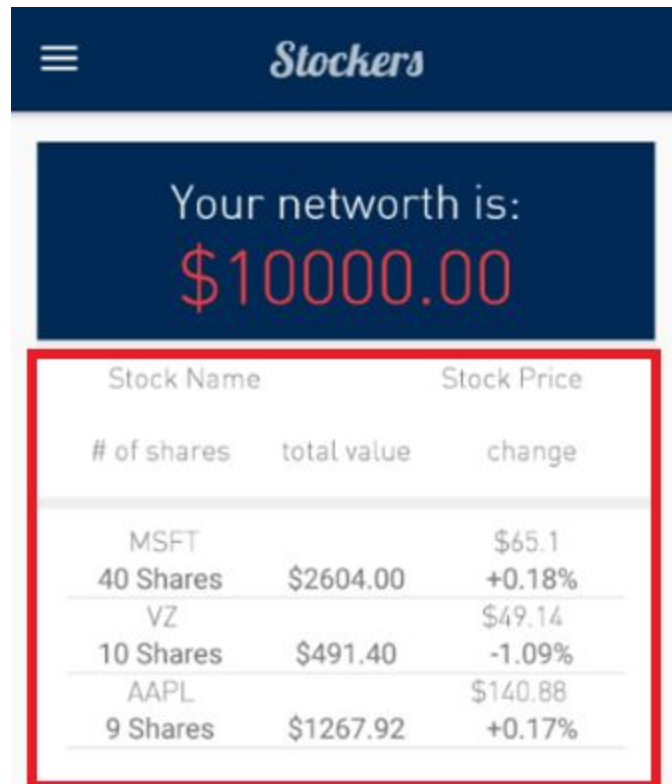
5.2 View Stocks You Own

In the "*My Portfolio*" page under the Net worth is a list of the user's owned stocks. The list will display the following:

1. The Stock Name
2. # of Shares
3. Total Value
4. Change
5. Stock Price

Whenever the user logs in, they can navigate to their portfolio page to see current stock information.

6.0 Viewing the Leaderboards Page

The user can navigate to the "*Leaderboards*" page via the side navigation bar.
The leaderboards page will display:

1. The rank of all investors in Stockers
2. The name of the investor
3. The Net Worth of the investor
4. Note: Currently the Filters are non-functional

7.0 Profile Page

The user can navigate to their profile page via the side navigation bar. The profile page contains:

1. The user profile picture
2. The Users Email
3. The Users Net Worth
4. Settings tab
   a. The user can edit profile information
5. News
   a. Not implemented yet
6. Activity
   a. Not implemented yet

7.1 Edit Profile Picture

The user will be able to edit their profile information such as their username and password from the settings tab. Currently this functionality has not been implemented.