

Individual Contributions and Project Management

Stock Proffit

Group 11

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Introduction:

This document provides usage and configuration information about the stockprohit app.

Prerequisites:

1. Android SDK
2. Android Developer Phone (if you wish to test on a developer platform)
3. Netbeans

Components Used:

This software is constricted to android phones and emulators of android phones.

Configure:**Configuring the app:**

To configure this app on a computer you have to download the Android SDK from the website <http://developer.android.com/sdk/index.html#download>

Go to the website and download the SDK ADT Bundle for windows in the blue box on the right side of the page. Accept the terms and conditions. Select the 32-Bit version. Go to your downloads and unzip the files. Enter the eclipse folder that is created from unzipping the files. Run the Eclipse application file. Select import project from the file drop down menu. Select existing android application into workspace. Browse folders and add java_project from the coding folder. Click accept. Click on the sixth icon from the right in the toolbar labeled android virtual device manager. Click on the tab device definitions. Select the Nexus S and hit the button to create avd. This creates the virtual platform to run the app. Right click on the Android application login activity in the package explorer. Select run as android application. It takes time to the generate the simulation the first time. After a little bit it will the simulator. Unlock the phone and wait for the application to autoloading.

Configuring the algorithm:

Go to the website <https://netbeans.org/> and download the free bundle titled all. After the download is finished run the file. Click next accept the terms of both license agreements. Click next and then click finish.

Data Structures:

The majority of the text on the app is generated through an xml file titled values. The strings are called for the names of buttons and edit text views. The news feed takes in a post and then outputs it to a text file. The text file is then read and generates the home screen. A

hash map is used to associate a ticker symbol, company name, and the favorite position of the stock. This is used to determine which stocks are currently favorited on the app. The top five stocks page use two string arrays concatenated and displayed as a list. The search ticker symbol auto completes stocks after checking an array of ticker symbols saved as an xml file in the values folder. The generated stock page uses the values based on the hash map of ticker symbols, stock prices, and company names.