

Pocket Stock

User's Manual

CSCI-P465/565 (Software Engineering I)

Project Team

Angad Beer Singh Dhillon

Aravind Bharatha

Matthew Pletcher

Raghottam Dilip Talwai

1. Product Overview

Pocket Stock is an investment management web application. The idea behind the project is to make tracking investments easy. Through our application you can add the stocks that you have purchased and see track the investment growth. We also make predictions about the where your stock will go from here. You can also get an expert advise by chatting with our stock market experts via the chat feature in our application.

2. System Requirements

Server Side:

- Operating System: Linux
- Minimum Ram: 512 MB
- Softwares: Python 2.7, PIP and Redis server support

Client side:

- Any web browser with decent internet access.

3. Product Installation

- The product installation is very simple. The server on which your installing should have python 2.7 and PIP installed.
 - To install python2.7 visit the site: <https://www.python.org/download/releases/2.7/>
 - To install PIP: <https://pypi.python.org/pypi/pip>
- We have made a requirements.txt file which has the list of all the packages to be installed.
- After downloading our project from GitHub. The user has to add the server name to the allowed hosts in the settings.py present in the root directory.

```
-----
#All the allowed Hosts should be oresent here|
ALLOWED_HOSTS = [ 'localhost', '127.0.0.1', 'silo.soic.indiana.edu', 'pure-bayou-28363.herokuapp.com' ]

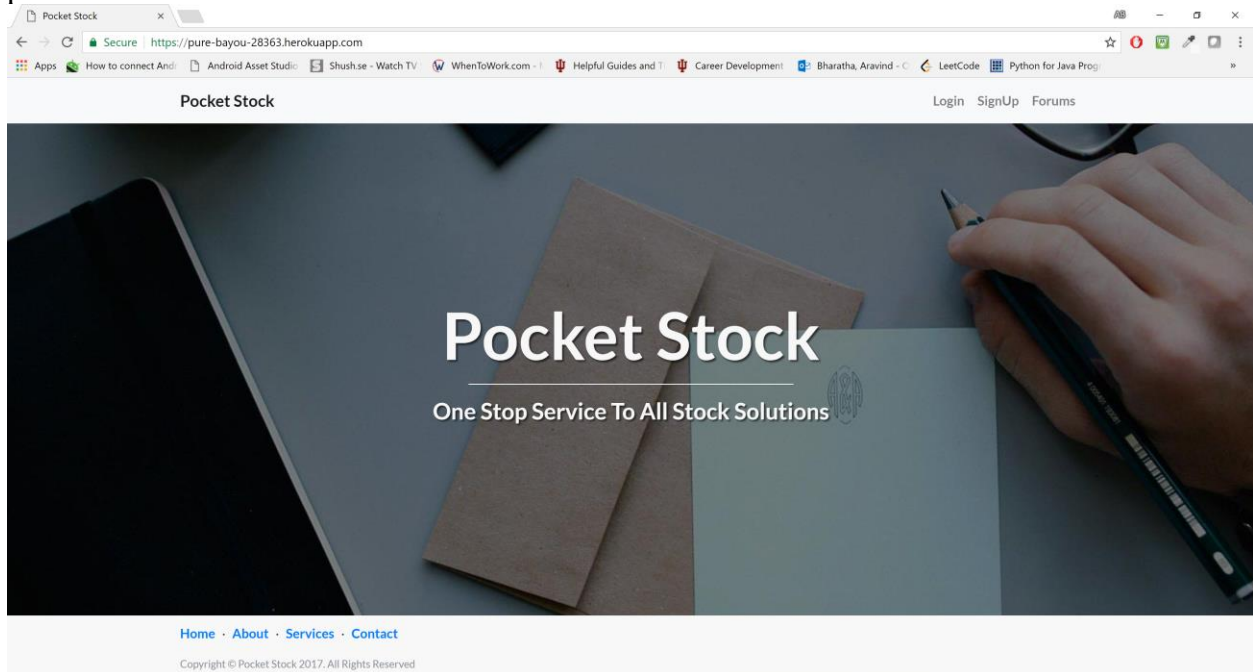
# Application definition
```

- And run the following command on the command line “pip install -r requirements.txt”.
- This would install all the required packages for the project. Then the site is running on the corresponding webserver.
- The webserver should support redis server for the chat feature and the webserver should be a linux server.

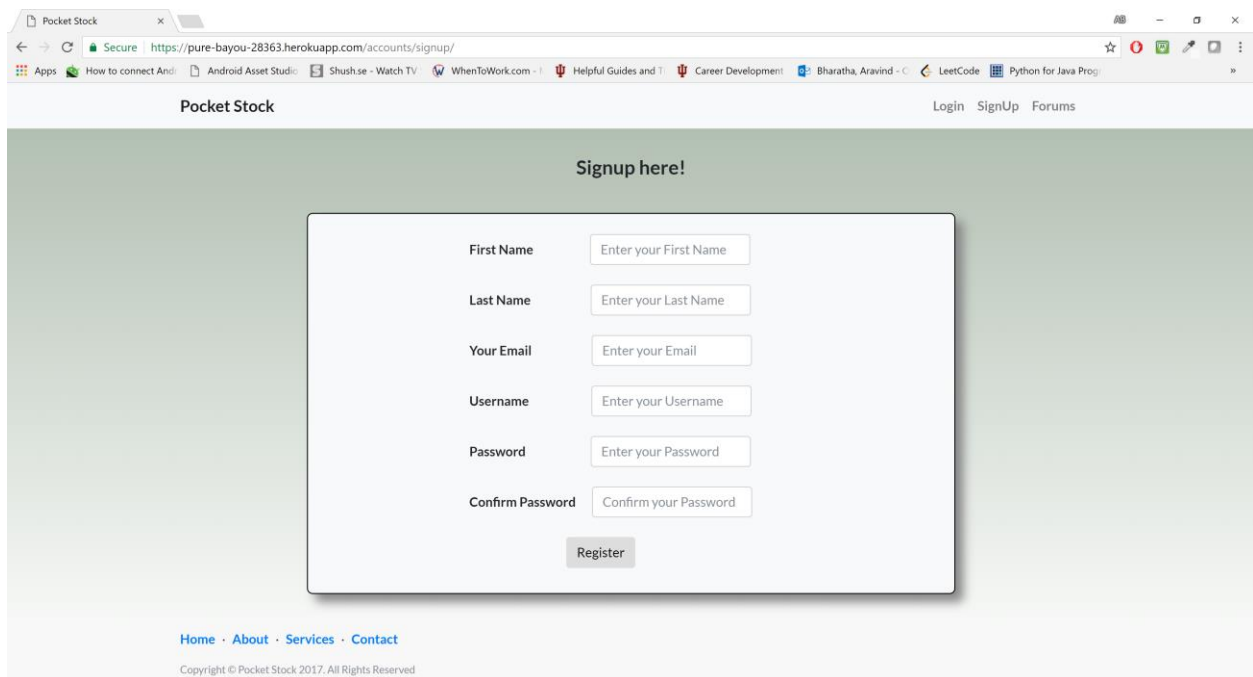
4. Product Operation

Home Page:

Home screen of the web application. User has three options to either login, signup or read forum posts.



Sign Up: A new user can register to the site from this page.



User has to fill in the required details in the following way and submit the form.

Pocket Stock

Login SignUp Forums

Signup here!

First Name

Last Name

Your Email

Username

Password

Confirm Password

[Home](#) · [About](#) · [Services](#) · [Contact](#)


Copyright © Pocket Stock 2017. All Rights Reserved

After successfully submitting he is taken to duo set up page where he/she would link their duo account to our site for dual authentication.

Pocket Stock

Login SignUp Forums

Secondary authorization required.



[What is this?](#) [Need help?](#)

Powered by Duo Security

Protect Your SoftwareEngineeringAcc Account

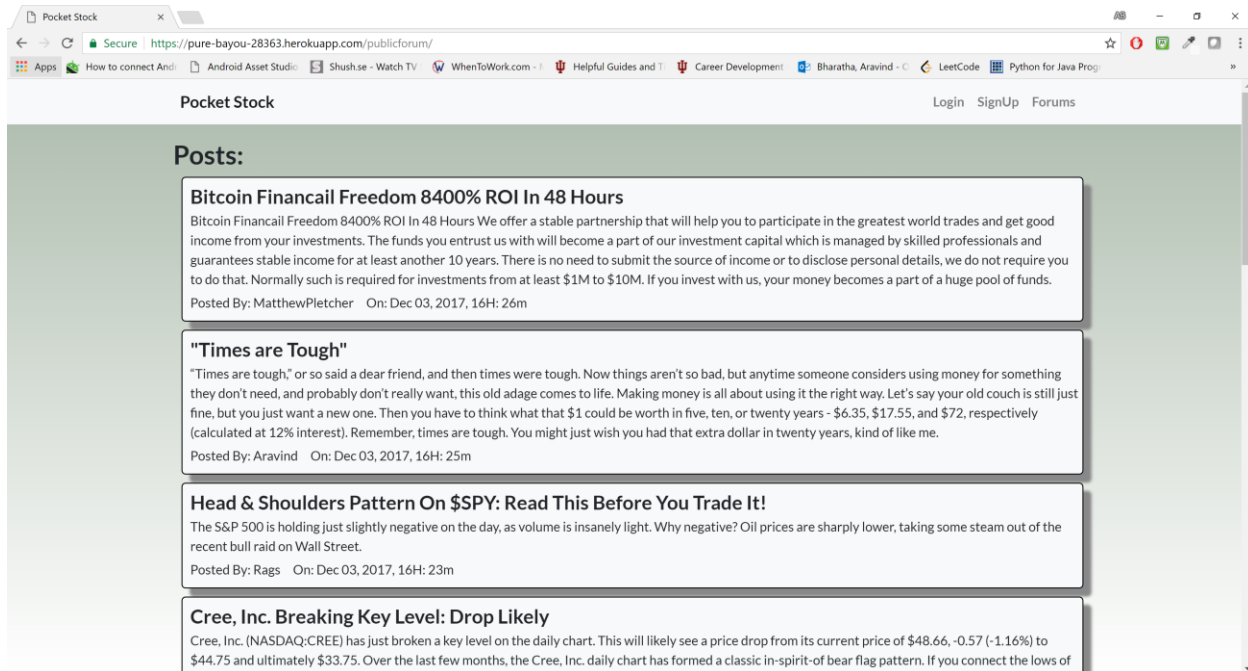
Two-factor authentication enhances the security of your account by using a secondary device to verify your identity. This prevents anyone but you from accessing your account, even if they know your password.

This process will help you set up your account with this added layer of security.

[Home](#) · [About](#) · [Services](#) · [Contact](#)

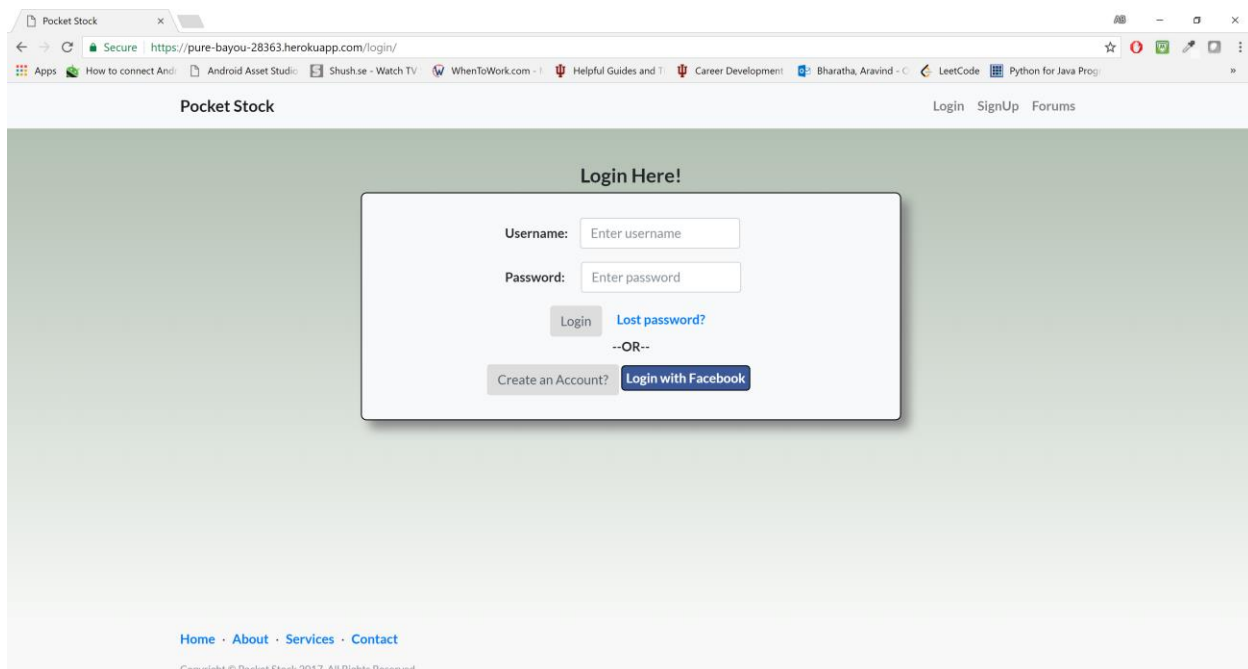
Copyright © Pocket Stock 2017. All Rights Reserved

Public Forums: Any guest user can access this page and can read the trending posts and blogs written by the existing users of the site.

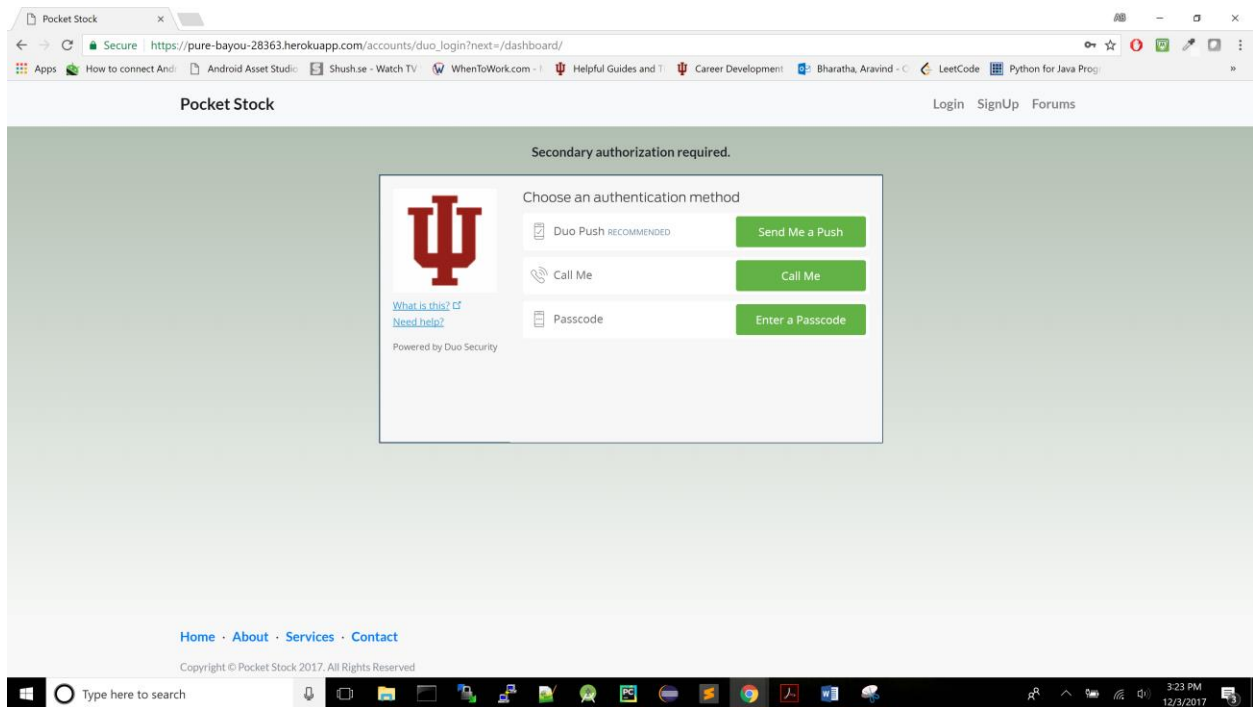


Login Page:

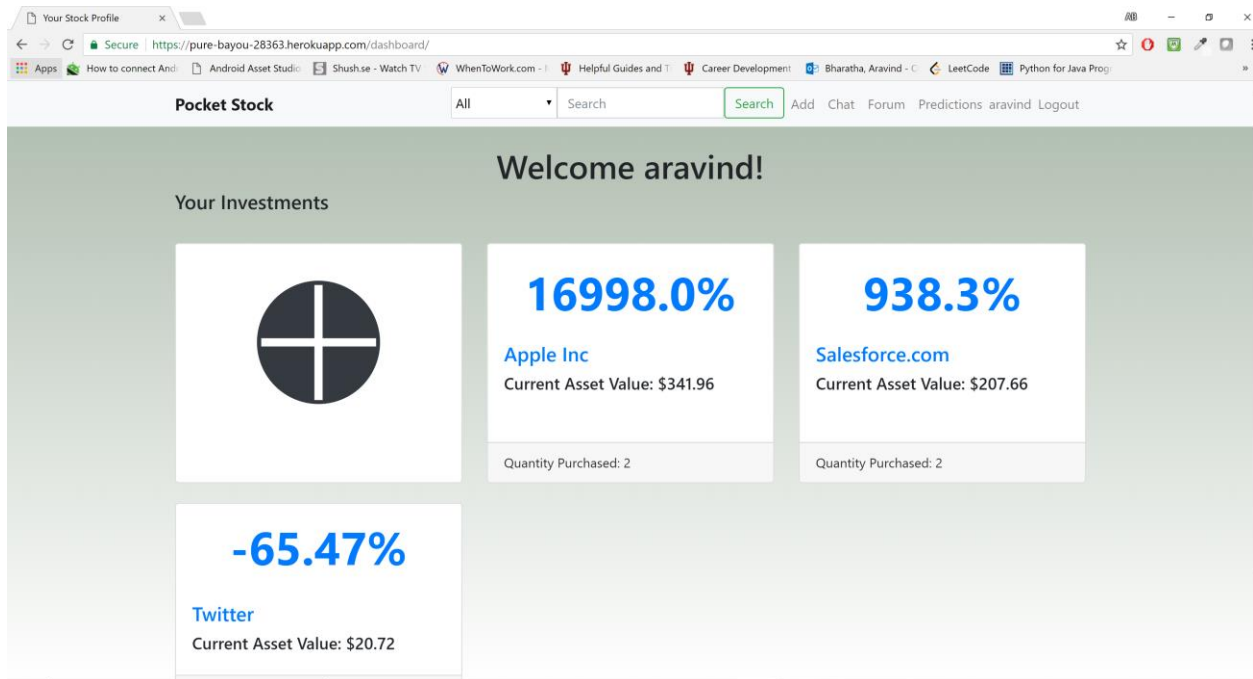
The user will give his login credentials to login or login with facebook using the “login with facebook” button or create an account using the “create an Account” button. By clicking on the create an account button user is redirected to the sign up page.



Duo Login Page: Once the user enters his credentials successfully he would be redirected to the duo login page where he has to send a validate through his duo app.



Dashboard: After the duo login the user is redirected to his/her dashboard. Where he can see the various options. He can track his stock performance over time by clicking on the percentage number in each card, he can chat with an expert by visiting the chat, he can new stocks to track using the add feature, he can see the predictions about the stock by going to the predictions tab, he can search for stocks using search bar and filter the results. He can also make posts about the stocks using the forum tab.

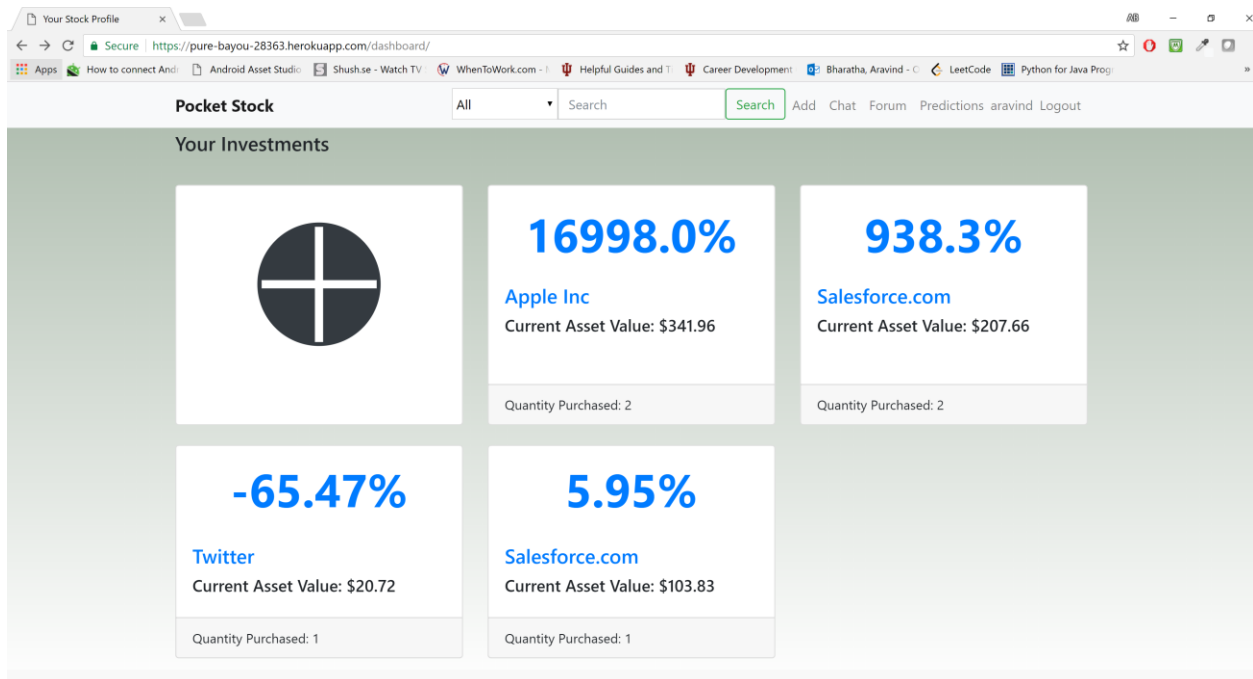


Add Investments Page: User can add new stocks to track from this page.

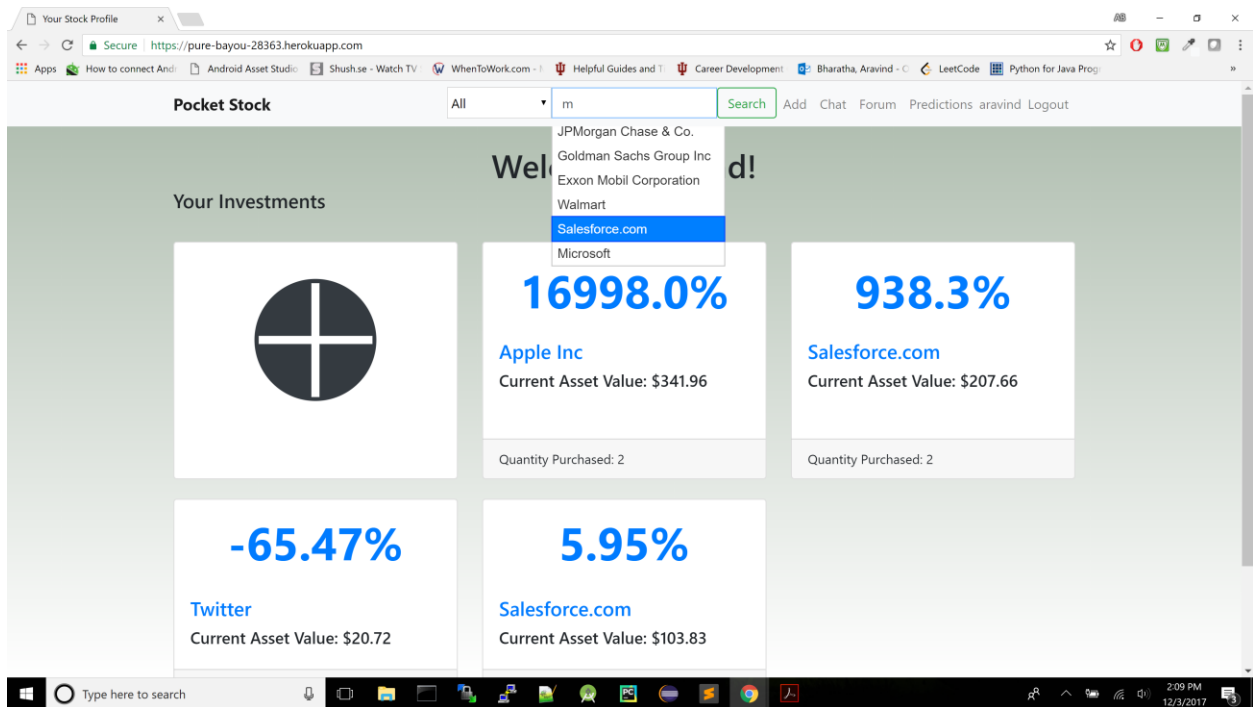
The screenshot shows the 'Add Investments' page of the Pocket Stock dashboard. It features a form with the following fields: Amount Spent (98), Quantity Purchased (1), Date Purchased (12/01/2017), and Name of the Stock (Salesforce.com). A Submit button is located at the bottom of the form. The dashboard also includes a navigation bar with links for Home, About, Services, and Contact, and a footer with the copyright notice: Copyright © Pocket Stock 2017. All Rights Reserved.

Field	Value
Amount Spent	98
Quantity Purchased	1
Date Purchased	12/01/2017
Name of the Stock	Salesforce.com

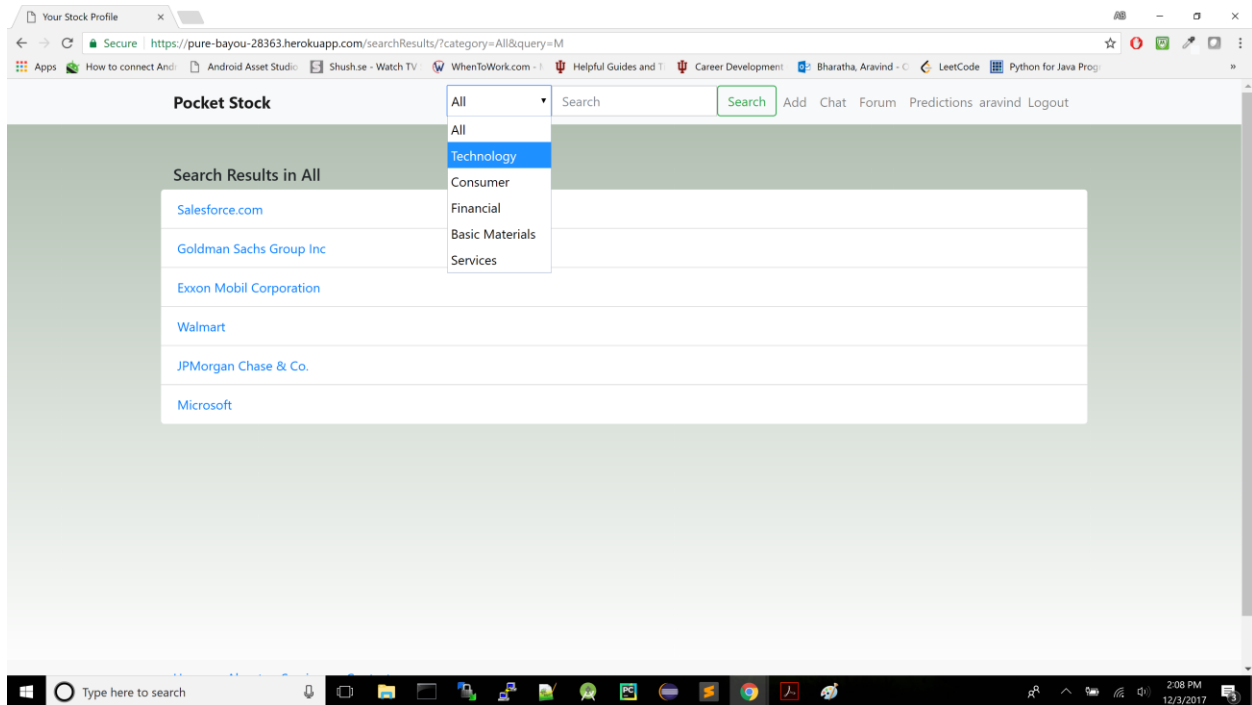
After adding the stock he would be redirected to the dashboard page where he can see the newly added stock in the dashboard.



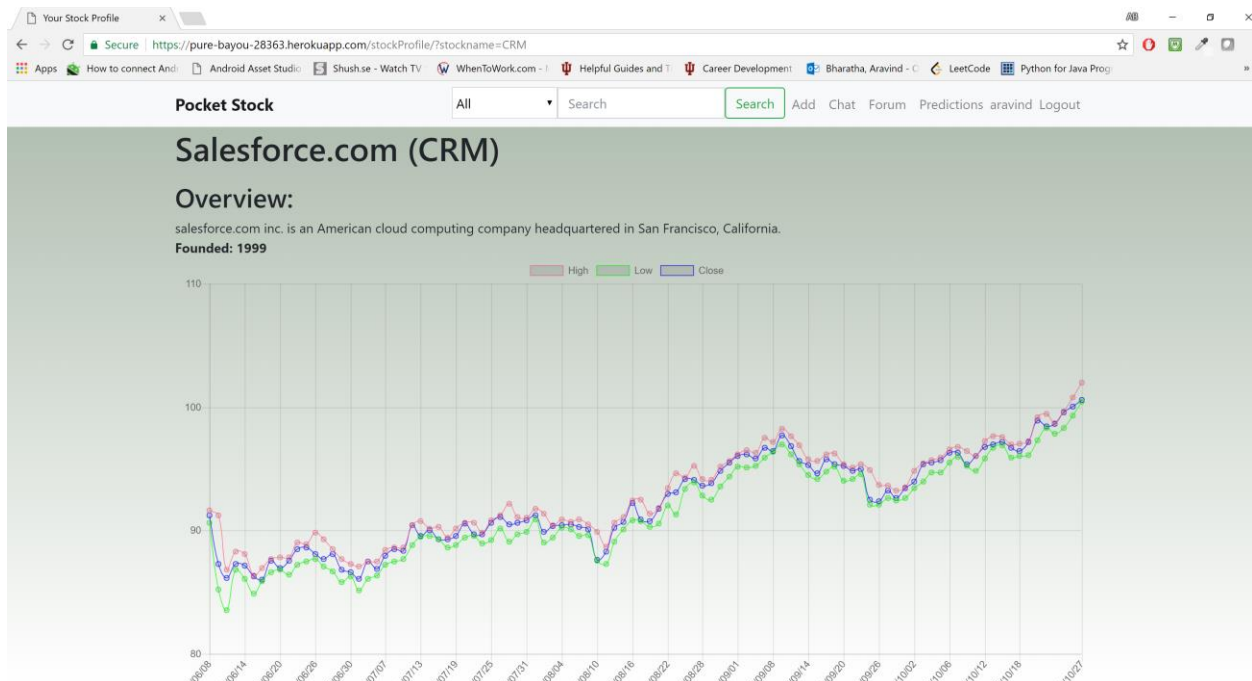
He can search for a new company and know about the company details.



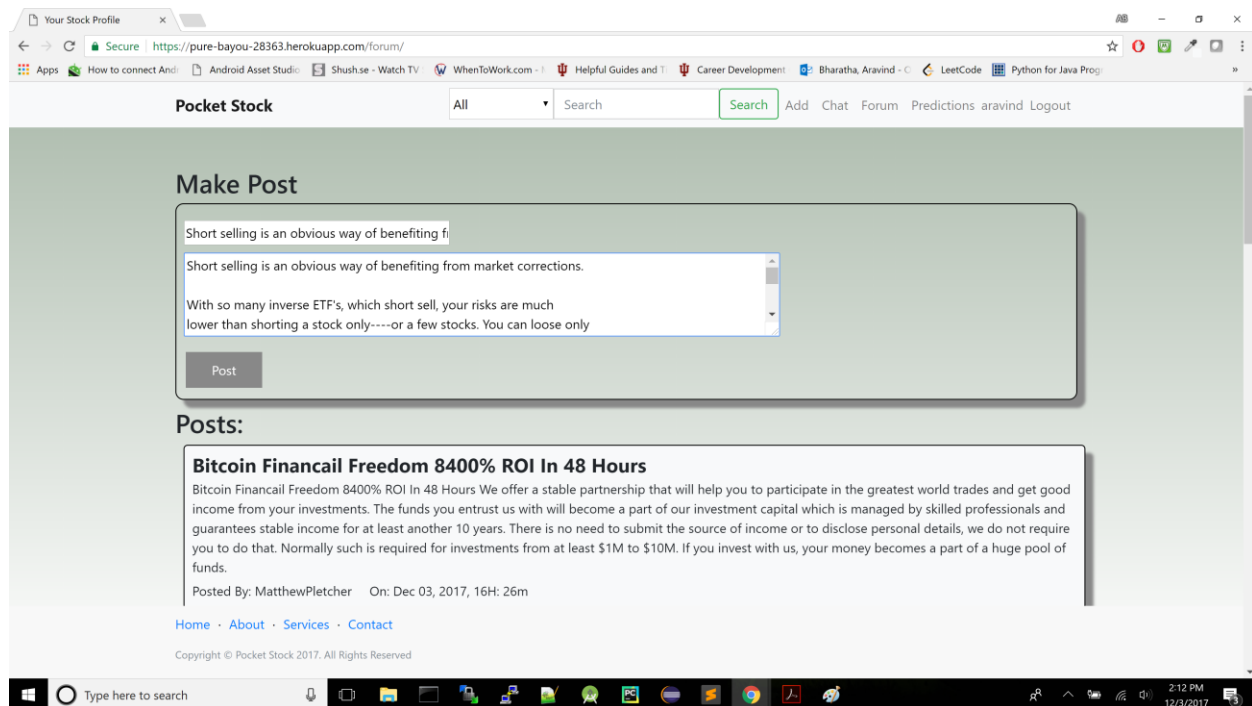
This is the search results page. User can narrow down his search results using a filter on the type of company.



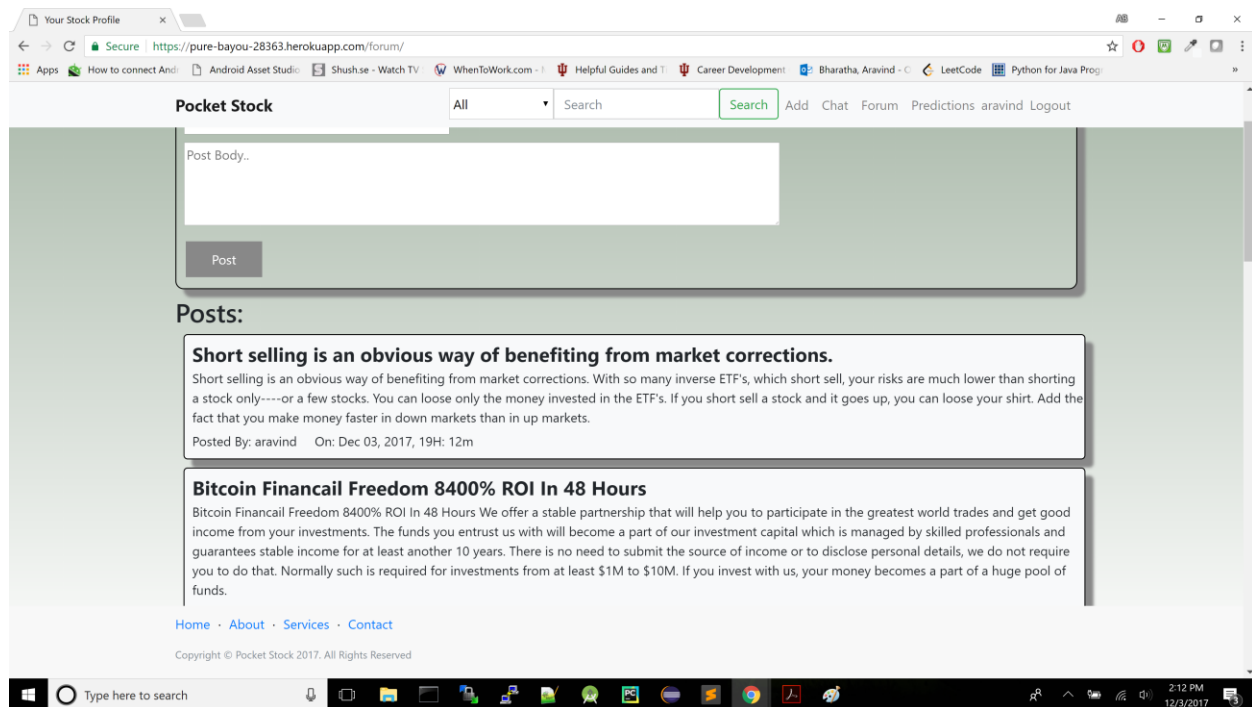
Once a user clicks on a company name in dashboard or search results page. He would be redirected to the company page where he can see the overview of the company and visualize performance of the company over time.



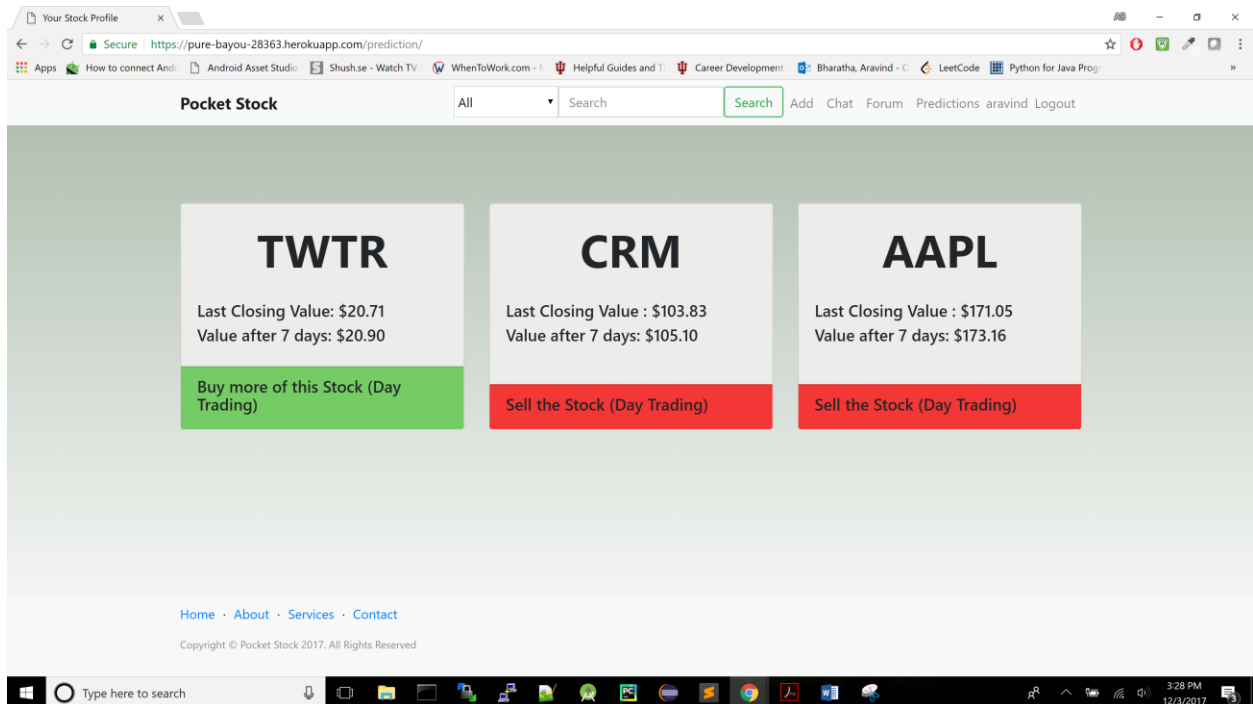
The Forums page will let the user to make a post in the site. He can also view the posts made by others by scrolling down. You can make a post by filling the form in the following way and clicking on the post button.



Once a post is made it gets displayed in the following way.



Predictions page: In this page the user can see the predictions of the stocks that he has added to tracking. The red color indicates the user that he has sell the stock and the green indicates that he can withhold the stock.



5. Known Defects

N/A

Revision History

Revision	Date	Change Description