User Documentation

Hi! Welcome to StockHawk, where you can find the latest and greatest stock market predictions to date. This cutting edge software is jam packed full of all the data collection, analysis algorithms, and stock information you could ever want but you'll never know it with how easy we've made it for you. If you're looking for a website that will do all the work for you and just make your wallet fatter, you've come to the right site.

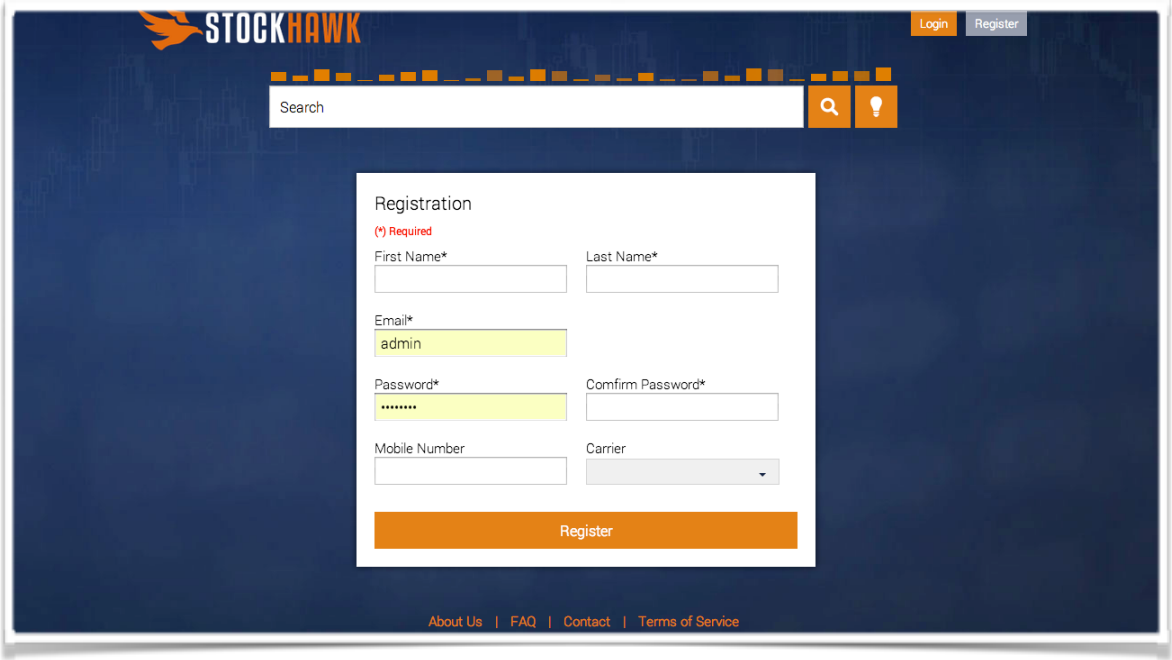
First of all, I assume you are here because you are interested in the stock market, or at least the future outcome of some stocks. That is what this website does. You can search for a stock, and get future information on it. It's really that easy!

The Homepage

The first thing you'll notice when you arrive at our website is that there is minimal clutter on our front page. You can mouse over the big pictures in the center for some helpful tooltips on what the website offers you. We have our register links so that you can create a new account with us, or if you already have an account you can login with your username and password. We also have our search bar in which you can type in the ticker that you want and it will search it for you. You'll also notice there is a light bulb to the right of the search bar, that'll bring you to the top 10 stocks that are predicted to make the most profit. You'll want to check that out!

Registration

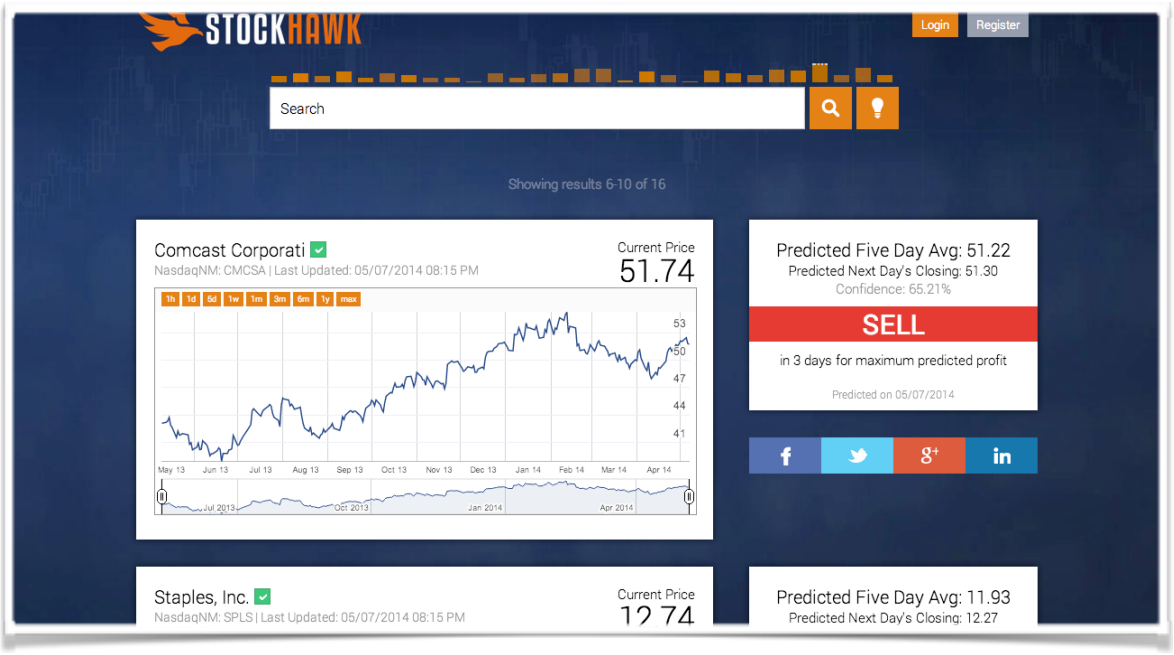
If you are not registered to the website then go on head and click on the register link on the top right corner of the homepage. This will bring you to the register page shown below:



As you can see from above the user must provide the website with your name, the password you want for the account, email, mobile number, and mobile carrier. When you register with StockHawk you will have more privileges then just a visitor of the page. You can keep track of certain stocks that you are interested in and be able to organize your list so you can make the maximum profit.

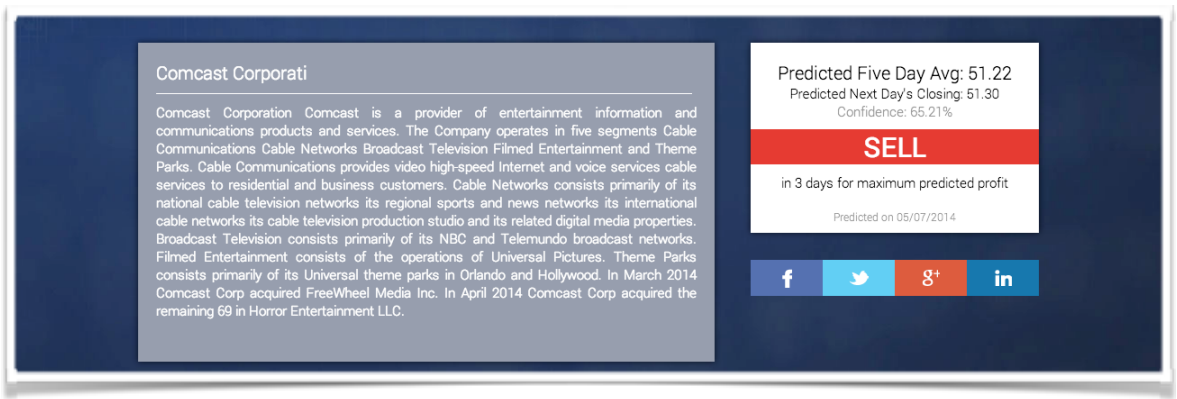
Search

The main thing you should see on the home page is that giant search bar, and the only reason you're actually here in the first place, to *search* stocks! So, the first thing you want to do is type something in the search box. You'll notice as soon as you hit a key that suggestions will pop up under your search bar. Maybe you forgot what you wanted to look for or just weren't sure what you even wanted to look for. That's ok! We'll help you out. Now type in the ticker that you want and click on the magnifying glass to the right of the bar. So you made a search, let's say you searched "Yahoo," you should see something similar to this:



Maybe you just jumped the gun and accidentally hit enter after you typed one letter. That's not a problem. You'll just get a list of every stock that contains that letter and you can use the side scroll bar to locate the stock you're looking for. You can always use the search bar located at the top of the screen as well.

Now that you see all this in front of you what does it mean? So, at the very top you'll notice the name of the company that you searched for, with the name it appears as on the market directly under it. To the right of the name there is a check sign, this is the track button. Click this if you want to keep track of this specific stock. (**note that this only appears if you are logged in).Next to that you'll see the last time that we retrieved information on that stock. The big number directly next to it is the current price that stock is worth on the market. Under all of this is a graph showing the historical values of that stock within the past year. Under that you'll see another graph, a smaller graph. On the sides of this small graph you'll notice that you can click-and-drag the sides to look more closely at a given timeframe. If you click anywhere on the stock card then it will give you a description of the stock as shown below:



So now the part we are really concerned with. The predicted prices that appear on the right hand side of the screen. At the very top is the predicted price that our software team has determined the future price to be. There is a confidence value listed directly under that to let you know how certain we are that the price you see is what you'll get. Under that, in a color coded fashion, you'll see what we think you should do based on our analysis. The buy option will appear in green, as seen above, and the sell option will appear in red. We also go through the trouble of deciding in how many days you should buy the stock, as well as when this prediction was made. 0 days? Buy NOW!
Perhaps you made a search that returned nothing, or you couldn't find the stock you were looking for. Have no fear! Our software team is taking note of every search made and you'll likely see that stock within our database within the next few days.
Surely you've noticed the Login and Register links in the top right corner. Well… these aren't exactly implemented yet. But hey, you clicked on the 'Login' link and now you're on the Administration page, Hey! Get out of there! Let's assume you have administration privileges.

Administrative Features

The admin page has features to help the user have the best experience possible while viewing the webpage. There are four functions that the administration page displays on the image below. We list all the stocks that are currently in the database on the right hand side. The software team can view and then remove any stocks from the database if there is a need for it, in case of a name change, no one is accessing it (based on the scale of this software, database space is limited) etc… The removal of a stock is easily done by clicking on the 'x' located to the right of the stock that you wish to remove. After initiating a removal you will be prompted with a warning notification that you are about to remove the stock and all of its historical values, predicted values, etc… from the database. Click yes or no. Assuming you did decide to do the removal, you will be notified that the item has been deleted.

The Add Stocks function is listed in the middle of the screen towards the top of the Admin page. This will allow administration to add a stock to the database. You can see from the picture that there is a description of how to add a stock to the database. Many stocks can be added at the same time by just separating the listed items by commas and then pressing the add button. Three things can happen when this feature is utilized; 1. The stock will be added to the database and the historical data will be fetched. 2. You'll be notified that the stock is already in the database. 3. The stock you searched for does not exist to our knowledge. Note that predictions are made once a day manually by the software team, so upon adding a new stock to the database we also have to run the prediction algorithm. We will provide a more dynamic method in the near future.

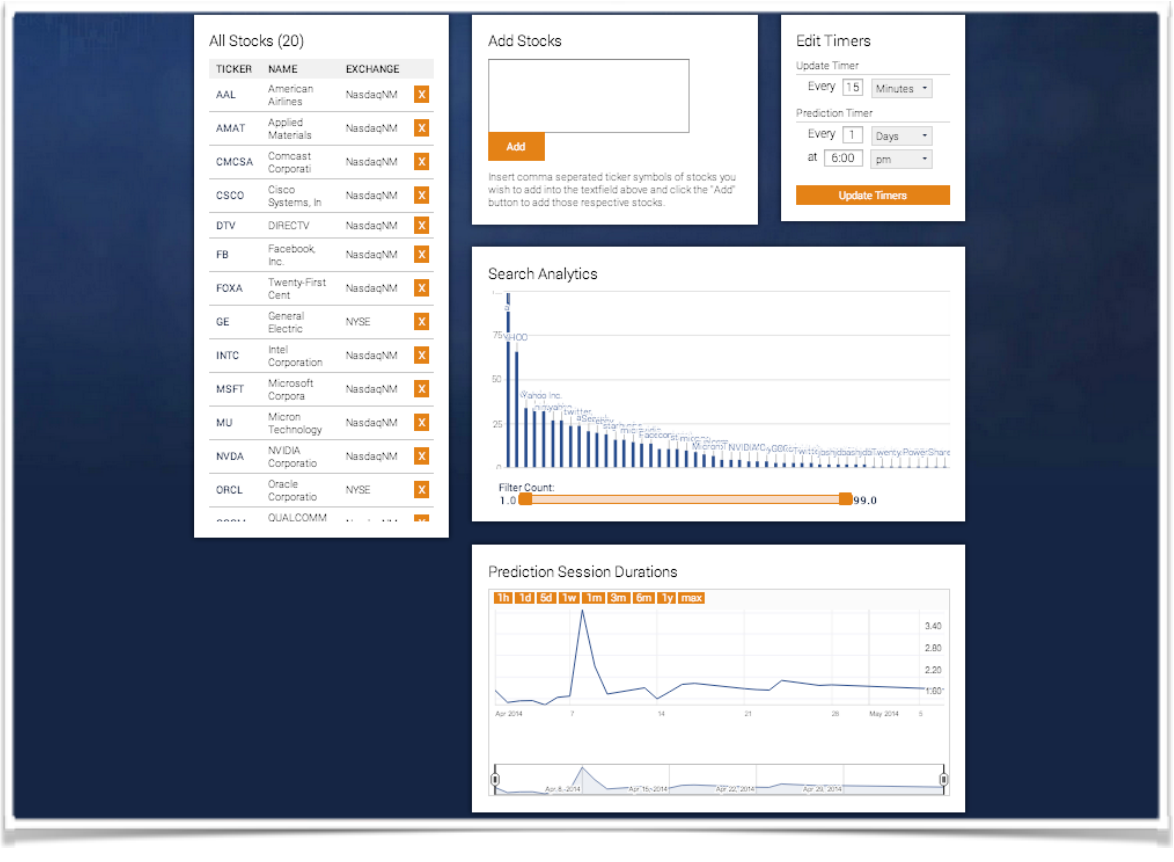
To the right of the add stock function box there is the time editor box. This box has 2 function update timer and prediction timer. The admin can adjust the update timer so that it can update the current prices of the stocks for every set amount of time. So if the admin puts in 15mins then it will update the current prices every 15mins. The prediction timer allows the admin to set a time during the day in which the website will start predicting. So if for example the admin would put in every day around 6:00am where it will start predicting.

You can see a big box on the bottom of the screen that is titled search analytics. This lets the software team know the frequency of searches made by the users of the website. By knowing this information, it gives us a better understanding of what to add or remove from our database. It shows in descending order the amount of searches that a word is receiving. There is a bar on the bottom that allows filtering by clicking-and-holding and sliding each side of the bar to the desired range so results can be narrowed down.

The top right has a place for a function named timers that has not been implemented yet but will be how the software team can adjust the times that the database will update.

There is another box under analytics named prediction session duration. This card graphs the time duration of the prediction session. With this the admin can determine to either add more stocks or remove stocks. If the duration is too long then that means that there are too many stocks on the list and it takes a large amount of time to make all the predictions. If the duration is very short then that means the admin can add more stocks without worrying for a long prediction session.

We hope you enjoy our software, and that it serves you well in your stock market decision making!



****Note that this software is purely educational and not to be used for any real life economic decision making and we are not responsible for any decisions anyone makes based upon the use of our software.****