

User Documentation

Welcome to “What The Stock!?” , a web-based Stock market learning tool intended to educate its users on proper investment practices while providing viable suggestions for which stocks to invest in. WTS comes loaded with a Learning System, which the user can utilize to learn how to invest, as well as a Stock Graphing and Prediction system that is useful in determining what stocks to buy (and which ones to avoid). If the stock market intrigues you, but you’re too intimidated to get your foot in the door, this app is perfect for you!

User Database

This Website is where you’ll make your account so that it’s easy to save your preferences/data so the next time you open the app, you are not starting from scratch. In its current state, all it can do is allow users to create accounts, then log in again and receive a message stating that the password is correct. In the future, we will use the User Database to store app preferences and data between sessions.

[Deregister](#)
[logout](#)



Please enter your login credentials:

Username:
Password:

172.31.252.202 - Google Chrome

However, if you're just here for a quick look at some stock values (which is what our app is about) then enter the company symbol down below! If you're interested in knowing what the company is upto, entering the company symbol in the "News Fetcher" field brings up the latest article about the company!

Stock:

The current price of NTDOY is \$29.875. This is a +0.393% change.

News:

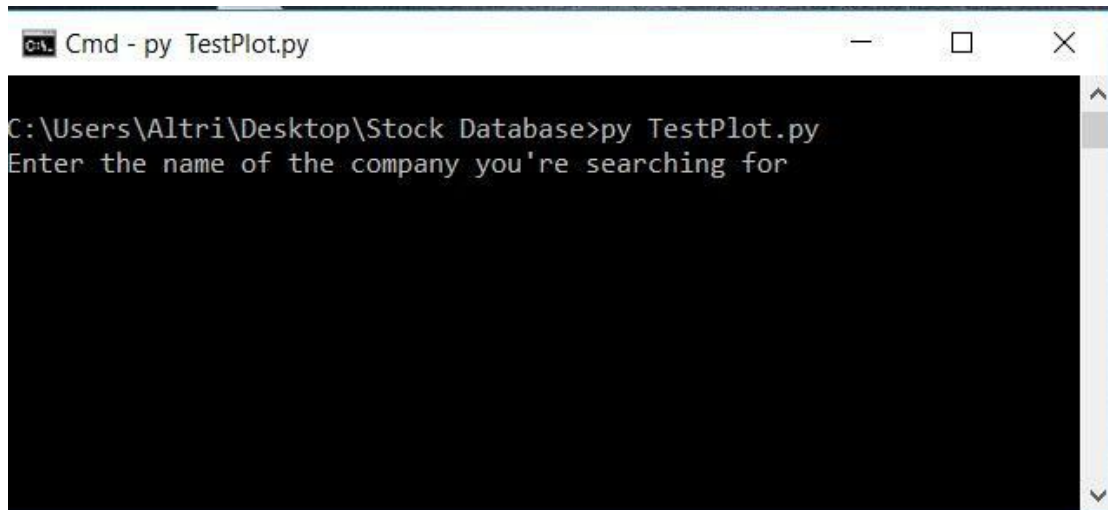
The top headline for NTDOY from Yahoo! Finance: NTDOY News is:

Fifty Word Review: Mario Sports Superstars

In its current state, this part of the app can only take a Stock Ticker symbol, and find its current (minus 15 minutes) stock price, as well as the first headline under Yahoo! Finance. In the future, inputting the ticker symbol will provide more data about the company. Additionally, there will be a system implemented to convert part or whole of the company name to the ticker, so that user's don't have to look up or memorize ticker names.

Stock Fetching & Plotting

If you're interested in viewing the stock values of a certain company, head on over to our Stock fetcher! Simply enter the name of the company, the software will try to guess what company you meant as long as you enter at least part of the company name (ex: You can enter just "microsoft" instead of "Microsoft Corporation Inc.")



```
Cmd - py TestPlot.py
C:\Users\Altri\Desktop\Stock Database>py TestPlot.py
Enter the name of the company you're searching for
```

After the name, enter the start year, and the end year to fetch data in between them



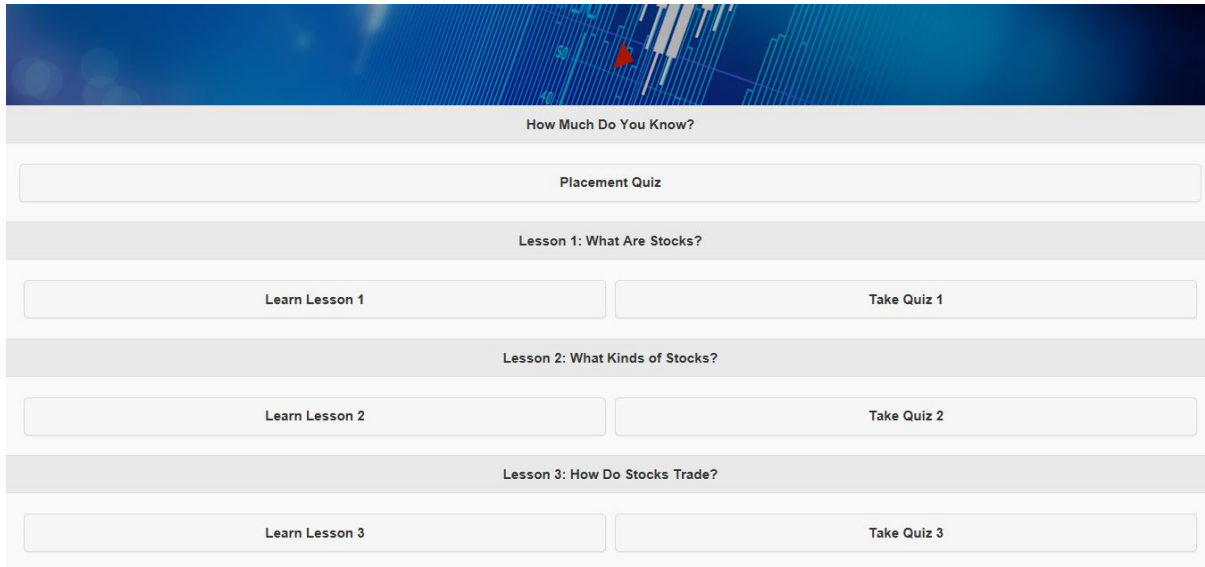
```
Cmd - py TestPlot.py
C:\Users\Altri\Desktop\Stock Database>py TestPlot.py
Enter the name of the company you're searching formicrosoft
The company exists!!
Enter Start year 2010
Enter the end year
```

Next, you'll be shown a graph in which you can zoom in to see the trends better and disable the low-high values by clicking the on the legends of the graph



Learning System

Not everyone has the full knowledge of how to interpret the Stock Market. That's why our app comes loaded with a Learning System, designed to go over core aspects of the Stock Market and making wise investments! Using material gathered from <https://www.investopedia.com>, we have created 6 (and counting) lessons about key aspects of the Stock Market. Alongside each lesson is a quiz pertaining to that section; the user can test their knowledge of the subject by answering a few multiple choice questions about concepts present in the lesson.



The screenshot displays the main menu of the Learning System. At the top is a blue header with a stock market chart. Below the header, the menu is organized into sections with light gray backgrounds. The first section is titled "How Much Do You Know?" and contains a "Placement Quiz" button. The second section is titled "Lesson 1: What Are Stocks?" and contains two buttons: "Learn Lesson 1" and "Take Quiz 1". The third section is titled "Lesson 2: What Kinds of Stocks?" and contains two buttons: "Learn Lesson 2" and "Take Quiz 2". The fourth section is titled "Lesson 3: How Do Stocks Trade?" and contains two buttons: "Learn Lesson 3" and "Take Quiz 3".

How Much Do You Know?	
Placement Quiz	
Lesson 1: What Are Stocks?	
Learn Lesson 1	Take Quiz 1
Lesson 2: What Kinds of Stocks?	
Learn Lesson 2	Take Quiz 2
Lesson 3: How Do Stocks Trade?	
Learn Lesson 3	Take Quiz 3

The lesson interface begins with the main menu, partially pictured above. From here, the user may navigate to any lesson they choose (Lessons 1-3 are shown above), as well as the Quizzes for those sections.



Misconceptions

You've probably heard a popular definition of what a stock is: "A stock is a share in the ownership of a company. Stock represents a claim on the company's assets and earnings. As you acquire more stock, your ownership stake in the company becomes greater." Unfortunately, this definition is incorrect in some key ways.

This distinction is important because corporate property is legally separated from the property of shareholders, which limits the liability of both the corporation and the shareholder. If the corporation goes bankrupt, a judge may order all of its assets sold – but your personal assets are not at risk. The court cannot even force you to sell your shares, although the value of your shares will have fallen drastically. Likewise, if a major shareholder goes bankrupt, she cannot sell the company's assets to pay off her creditors.

What shareholders own are shares issued by the corporation; and the corporation owns the assets. So if you own 33% of the shares of a company, it is incorrect to assert that you own one-third of that company; it is instead correct to state that you own 100% of one-third of the company's shares. Shareholders cannot do as they please with a corporation or its assets. A shareholder can't walk out with a chair because the corporation owns that chair, not the shareholder. This is known as the "separation of ownership and control."

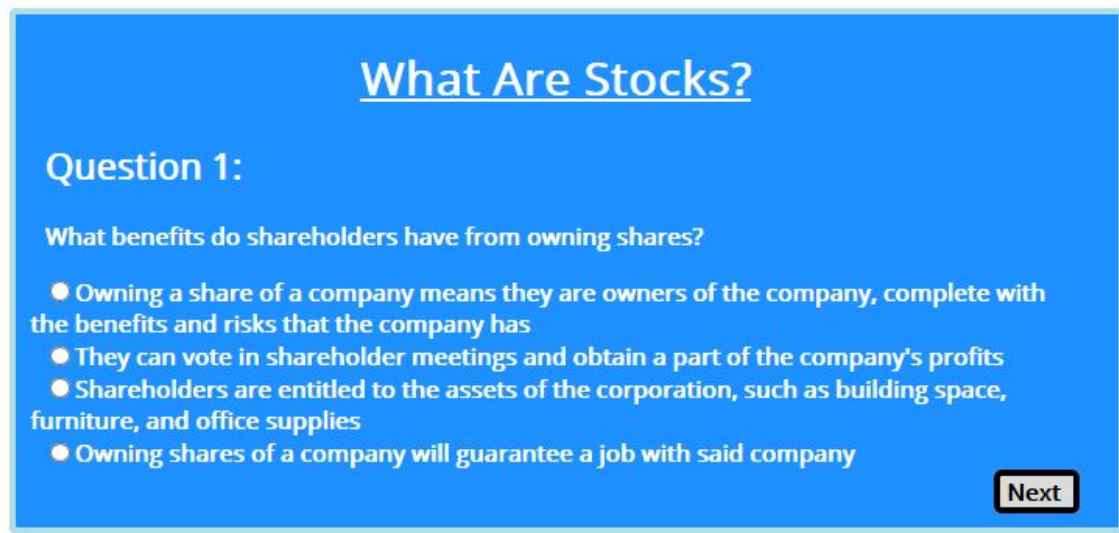
Shares

So what good are shares, then, if they aren't actually the ownership rights we think they are? Owning stock gives you the right to vote in shareholder meetings, receive dividends (which are the company's profits) if and when they are distributed, and it gives you the right to sell your shares to somebody else.

If you own a majority of shares, your voting power increases so that you can indirectly control the direction of a company by appointing its board of directors. This becomes most apparent when one company buys another: the acquiring company doesn't go around buying up the building, the chairs, the employees; it buys up all the shares. The board of directors is responsible for increasing the value of the corporation, and often does so by hiring professional officers, such as the Chief Executive Officer, or CEO.

Above is an example of a lesson page. It is a scrolling format; the User can use their mouse's scroll-wheel to navigate up and down the page. Each lesson is split up into sections, with each section separated from the others for an easier time reading.

/Desktop/WBSF-master/Learning%20System/Quizzes/Quiz%201.html



What Are Stocks?

Question 1:

What benefits do shareholders have from owning shares?

- Owning a share of a company means they are owners of the company, complete with the benefits and risks that the company has
- They can vote in shareholder meetings and obtain a part of the company's profits
- Shareholders are entitled to the assets of the corporation, such as building space, furniture, and office supplies
- Owning shares of a company will guarantee a job with said company

Next

Above is an example of one of our Quizzes. Each quiz is a few questions each, and all questions are multiple choice. To do the quiz, all the user has to do is click on a corresponding answer bubble, then click "next" to move onto the next question.

What Are Stocks?

You got a score of 100%! Consider this Lesson cleared!

Main
Menu

Start Over

Upon completion, the quiz is graded on a 0-100% scale. If a quiz scores above a certain threshold, the user will be advised to read through the next lesson, as the existing lesson was perfected. Otherwise, the user will be advised to read through the current lesson once more.

However, while many users may know nothing about the Stock Market, we have also added a way for people with a better knowledge of Investing to test what sections they can skip. On the main menu page, there is a button for a placement quiz; this is a larger quiz that pulls questions from all the existing quizzes; once the user completes it, a subscore for each section is calculated (but not shown to the user), and then the system will recommend which sections a user may skip, and which lessons a user should look over.

General Evaluation

Based on how you did on the placement tests, you can skip Lesson 1, you can skip Lesson 2, you can skip Lesson 3, you can skip Lesson 4, you can skip Lesson 5, and you can skip Lesson 6.

Main Menu

Start Over