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# SHOWING STOCK MARKET DATA USING PHP

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## • INTRODUCTION

A stock or share (also known as a company's “equals”) is a financial instrument that represents ownership in a company or corporation and represents a proportionate claim on its assets and earnings (what it generates in profits).

### ➤ Need of A System

It is difficult to identify specific factors that influence the market as a whole. The stock market is a complex, interrelated system of large and small investors making uncoordinated decisions about a huge variety of investments. Common people or people who cannot understand graph can use our system. More user friendly and will give most accurate data as fast as possible.

### ➤ Existing System

Once listed on the stock exchanges, the stocks issued by companies can be traded in the secondary market to make profits or cut losses. This buying and selling of stocks listed on the exchanges are done by stockbrokers. The graph is shown low and high which equals to profit or loss to the customer. The graphs are extremely difficult to understand. Which leads to some confusion and might cause some problems ahead.

## ➤ **Proposed System**

Tables, with their rows and columns of data, interact primarily with our verbal system. Tables are great when you have an audience who wants to do just that. It can be print out easily than the graphical form. It is easier to understand that you are having profit or loss just by looking at it without getting complicates by misleading graphs. We will show you what you only want to see without getting you confused in neat way possible.

## • **Project Detail**

In this project we have created stock market values in to table format. It will show you as accurate values as fast as possible. You can have it in daily formant or you can have it as quick as minute-by-minute details. You can only see stock prices in real time but you cannot invest through our website we only do visual representation of stock. You can easily see values like “high”, “lows”, “open” etc. at your fingertips. You can easily printout at any point you like. We allow them to easily understand and give them accurate numbers they wanted to see. Its appealing that seeing actual numbers Infront of you. In this project we will show you simplified way to observe you stock of specific company or brand. It will help you understand the stock market easily. Our website in done by PHP method which can be easily modified in later adjustment as needed. To complete this project, we have taken help from “Alpha Vintage”, which is leading service for provide accurate stock value. This is custom build website which is user friendly to its customer.

## • Platform Detail

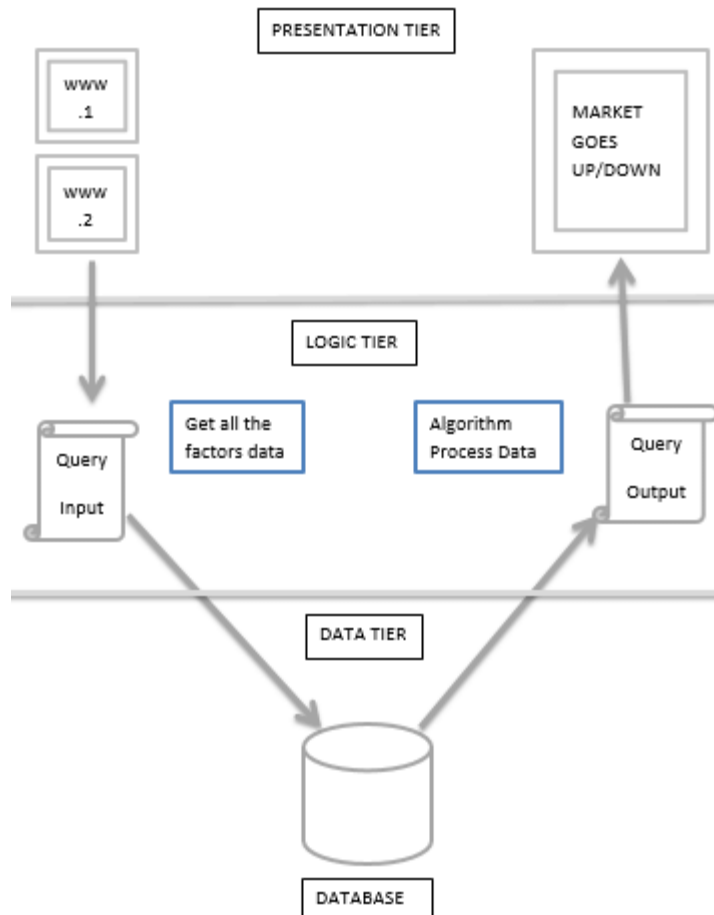
### ➤ Information

Socks are now getting popular day by day and many common peoples. Many peoples are starting to invest in stock. Its next phase of trading. Now due to availability of internet and smartphone, computer people can easily do stock any time any ware. As more and more people are getting into this people's preferences are different therefore new and innovative things should be created to get their attention. In simple words People invest in one stock keep hold of it and if they think that they will get profit by selling their stock they will sell it . the profit and loss of stock is unanimous by its customer.

### ➤ Architecture

- Our project can be usable to many people and is not complicate to understand
- We have created interactive design to appeal to as many newer people who want to join in stocks
- Our user interface design is extremely good and easy to manage
- The information is change every second our project in base on internet faction so it mostly depends on upon your internet connectivity.
- Our project is made with help of php language which can easily modifies if we want to.

- In our project stock of specific company/brand are shown it is updated as you want, every stock can be refresh in single second



## • Requirement Analysis

### ➤ Feasibilities Studies

- A proper market feasibility should address issues such as. Here are some criteria for both real estate and non-real estate projects.
- Demographic analysis of the product, or for real estate, the proposed area
- Neighborhood analysis
- Demographic comparison
- Municipal incentives
- National market overview
- Analysis of similar project or developments
- Regional market analysis
- Competitive market analysis

### ➤ Software Requirement

To able to see our project only one software is required and that is your Web-browser. Any device which can be connected to internet can have access to our project. For our source code we used “Visual Studio Code” with help of “apache server”. Our program was executed in “Chrome” browser. “XAMPP Control Panel” is use to support our php file to chrome for execution purpose.

## ➤ **Hardware Requirement:**

- ✓ We required keyboard and mouse to type and edit our program and screen to see those changes.
- ✓ To write code for our project we required powerful computer with 8gb of RAM and 250gb SSD.
- ✓ 64-bit operating system with access to all feature of windows 10 software.
- ✓ The processor to execute our code must be above “Intel(R) core i5” 10<sup>th</sup> generation for smooth working.
- ✓ The Compute or Laptop should support the modern text-editor such as notepad++ or VS code.

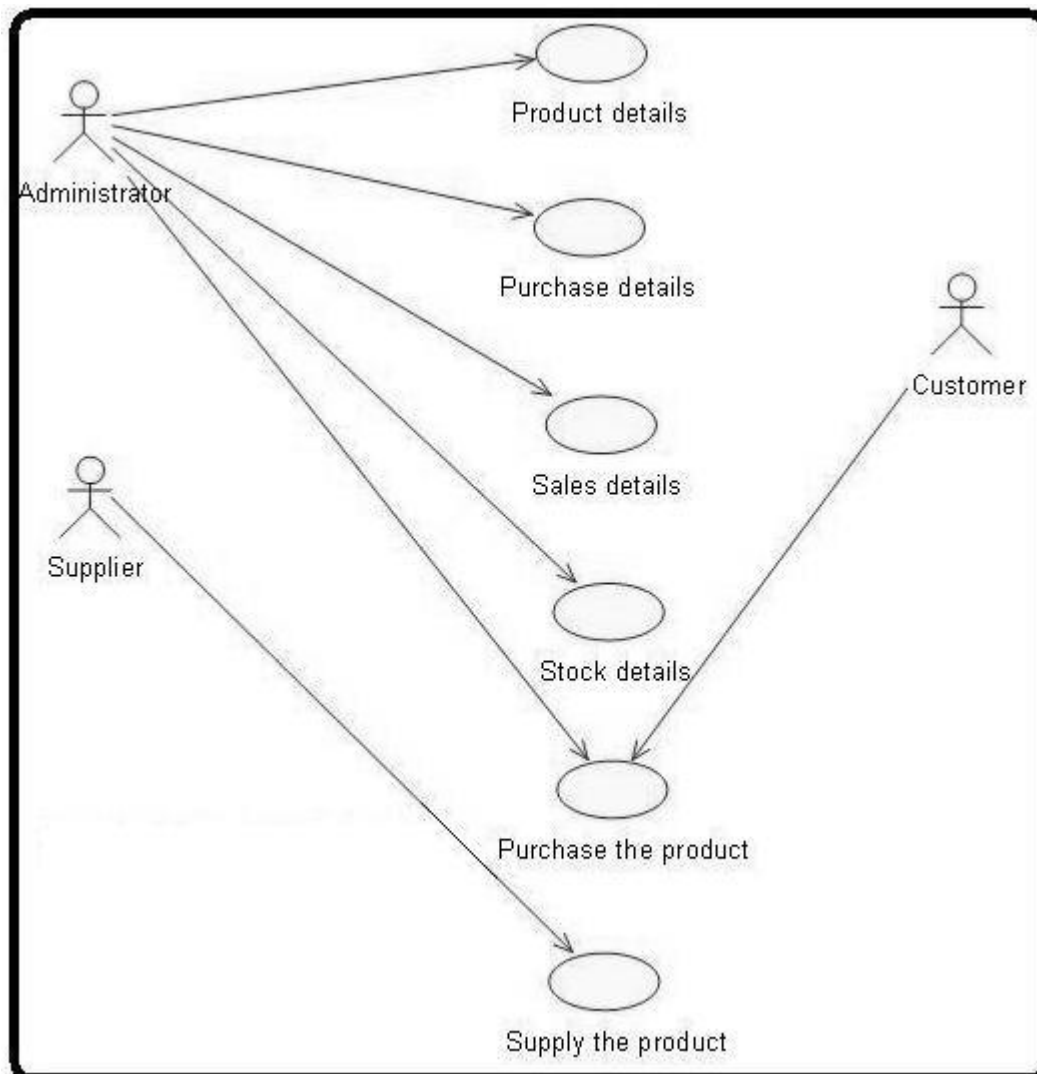
## • Data Dictionary

<b>A GROUP SHARES</b>	<p>Stocks which have very high liquidity.</p> <p>The company has large equity base and large public holding.</p> <p>The company has a given consistent good performance over the years.</p>
<b>B1 GROUP SHARES</b>	<p>Shares have high liquidity.</p> <p>Company has equity above Rs.30 million.</p> <p>Company fundamentals and financial parameters in line with the industry.</p>
<b>B2 GROUP SHARES</b>	<p>Share with low investor interest.</p> <p>Shares trade below par value (face value).</p> <p>Company has equity below Rs.30million.</p> <p>Company's shares are not widely held.</p> <p>Company has surveillance measure initiated against it by the EXCHANGES for suspected price manipulations.</p> <p>Shares have low trading volume at the EXCHANGES.</p>
<b>A-D INDEX OR ADVANCE-DECLINE INDEX</b>	<p>A tool for detecting bullish or bearish trend in stock market. One divides the number of traded shares which have risen in price by those which have fallen.</p> <p><b>Example:</b></p> <p>If 200 shares have advanced and 100 declined on a particular day the A-D INDEX is 2.</p> <p>Number more than 1 indicates a bull trend and less than 1 a bear trend.</p>
<b>ALPHA FACTOR</b>	<p>A concept, which measures the inherent volatility of share.</p> <p>A share with alpha factor of 1.5 is slated to rise in price by 50% in a year on its inherent strength, such as growth in EPS, regardless of the behavior of the market.</p>
<b>ANNUALIZED YEILD</b>	<b>The calculation:</b>



- **System design**

- **UML system**



## • Code of Project

```
<?php
$key="demo";
$url="https://www.alphavantage.co/query?function=TIME_SERIES_DAILY&symbol=IBM&apikey="
.$key;
$ch=curl_init();
curl_setopt($ch,CURLOPT_URL,$url);
curl_setopt($ch,CURLOPT_RETURNTRANSFER,true);
$result=curl_exec($ch);
curl_close($ch);
$result=json_decode($result,true);
if(isset($result['Time Series (Daily)'])){
    echo "<table id='customers' border='1'><tr><th>Date</th><th>Open</th><th>High</th><
th>Low</th></tr>";
    foreach($result['Time Series (Daily)'] as $key=>$val){
        echo "<tr><td>$key</td><td>".$val['1. open'].</td><td>".$val['2. high'].</td><td>
".$val['3. low'].</td></tr>";
    }
    echo "</table>";
}else{
    echo "Something went wrong";
}
?>

<style>
#customers {
    font-family: Arial, Helvetica, sans-serif;
    border-collapse: collapse;
    width: 100%;
}

#customers td, #customers th {
    border: 1px solid #ddd;
    padding: 8px;
}

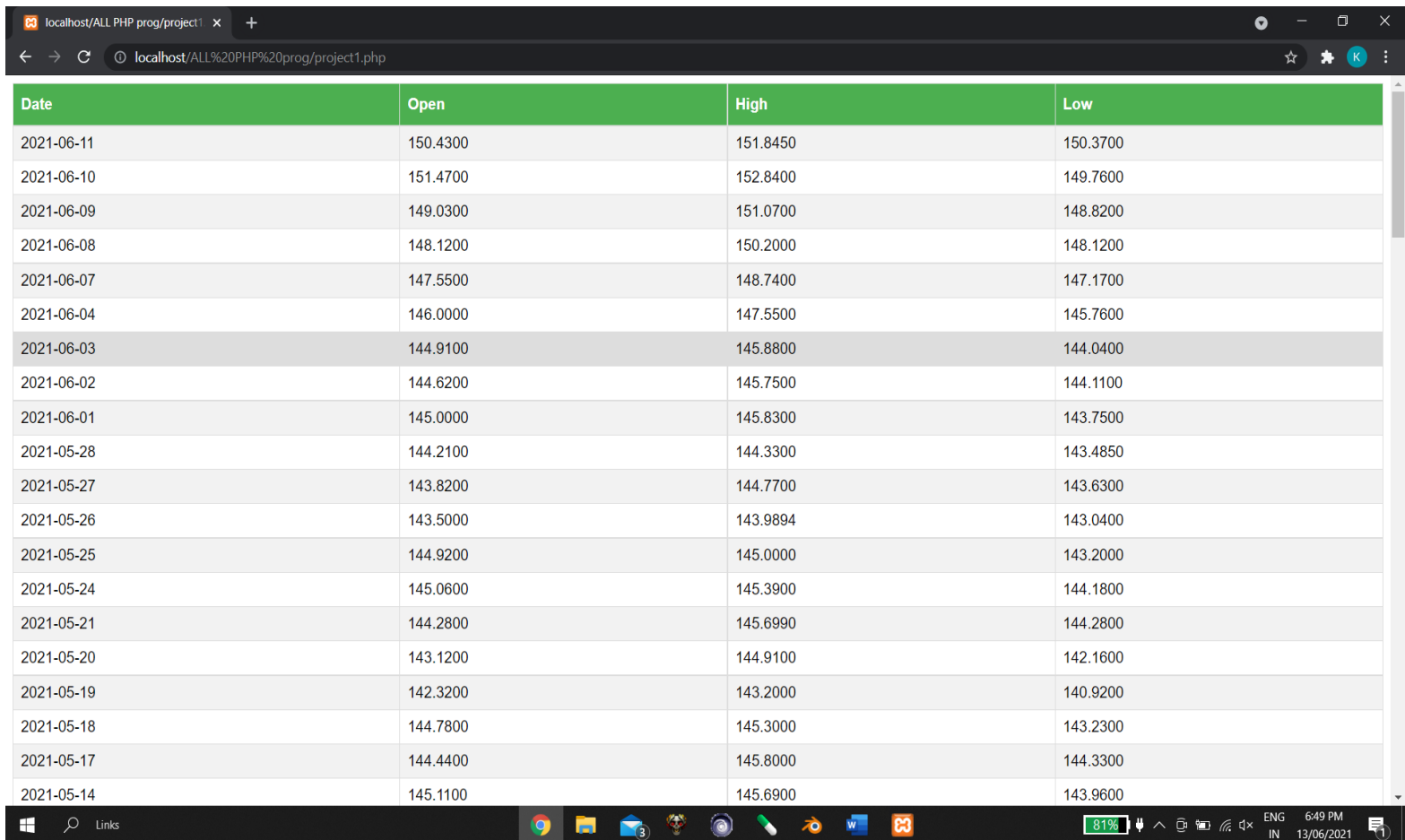
#customers tr:nth-child(even){background-color: #f2f2f2;}

#customers tr:hover {background-color: #ddd;}

#customers th {
    padding-top: 12px;
```

```
padding-bottom: 12px;
text-align: left;
background-color: #4CAF50;
color: white;
}
</style>
```

## • Output of Project



Date	Open	High	Low
2021-06-11	150.4300	151.8450	150.3700
2021-06-10	151.4700	152.8400	149.7600
2021-06-09	149.0300	151.0700	148.8200
2021-06-08	148.1200	150.2000	148.1200
2021-06-07	147.5500	148.7400	147.1700
2021-06-04	146.0000	147.5500	145.7600
2021-06-03	144.9100	145.8800	144.0400
2021-06-02	144.6200	145.7500	144.1100
2021-06-01	145.0000	145.8300	143.7500
2021-05-28	144.2100	144.3300	143.4850
2021-05-27	143.8200	144.7700	143.6300
2021-05-26	143.5000	143.9894	143.0400
2021-05-25	144.9200	145.0000	143.2000
2021-05-24	145.0600	145.3900	144.1800
2021-05-21	144.2800	145.6990	144.2800
2021-05-20	143.1200	144.9100	142.1600
2021-05-19	142.3200	143.2000	140.9200
2021-05-18	144.7800	145.3000	143.2300
2021-05-17	144.4400	145.8000	144.3300
2021-05-14	145.1100	145.6900	143.9600

## • **Conclusion of Project**

By doing this project we reach to conclusion that php is one of the easiest language to study. To create and to keep updated our website was very simple. The style used this project was extremely refreshing. You can modify anything easily in php language. By doing this project we created fully functional website.

## • **Reference**

This project is truly made possible by “Alpha Vintage” for providing with raw data and was big help in making this project. Big thanks to the programing with V for helping with source code and giving us this idea to create our little project. And thanks to our teachers for giving this wonderful opportunity for overcome our obstacle in learning new language.

\*\*\*\*\***THANK YOU**\*\*\*\*\*

