A Mini Project Report
on
STOCK PORTFOLIO

Course: DS,OOPS,MPMCI LABS
CLASS: B.E CSE-B Sem: III

By

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ABSTRACT

This project is a website that displays stock price information for a specific company. Users can input the company's ticker symbol, and the website will display current stock prices as well as historical data. The website also includes charts and graphs to visually display the stock's performance over time. The website is user-friendly and easy to navigate, making it a convenient tool for investors and traders to stay up-to-date on their investments. Additionally, the website is responsive and can be accessed on any device. Overall, this project aims to provide a reliable and accessible source of stock market information for individual investors.

1. Introduction

This is a web development project which gives the stock price history of a company stock by its name .It helps the users better understand the company stock performance and make informed decisions while buying a stock.

This website also provide information regarding crypto currencies it also shows the user information regarding todays best performing stock

1.1 OVERVIEW

Stock market on an average provides 13%growth every year so it is important for every on to have basic knowledge about stock market Our website is user friendly any one can use it very easily.

1.1 SRS(software requirement specifications)

This project is build using html,css,and java script html,css and java script is used in front end development and for back end we used java script we also imported some files from yahoo finance

1.3 Pseudo Algorithm

1.fist enter the valid user name and password if the username and password are correct the   system will allow the user to assess the website.

2.enter a valid company code in the search box provided

3.the website send the company code along with the Api key to rapid Api

4.the rapid Api evaluates the Api key

5.if the provided Api key is valid then rapid Api fetches the historic information about the stock from yahoo finance Api

6.the information regarding the stock is then given to graph js

7.the graph js plot the graph and display it as an user interactive graph

Code:

```html
<!DOCTYPE html>
<html>

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>LOGIN-PAGE</title>
  <style>
    * {
      margin: 0px;
      padding: 0px;
      box-sizing: border-box;
    }

    body {
      width: 1520px;
      font-family: Verdana, Geneva, Tahoma, sans-serif;
      margin: 0px;
      background-image: url("https://akm-img-a-in.tosshub.com/indiatoday/images/story/202107/stockvault-bull-versus-bear-fi_1200x768.jpeg?size=690:388");
    }

    .outer-container {
      width: 60%;
      margin: auto;
      margin-top: 4.2rem;
      padding: 2rem;
      border-radius: 10px;
      box-shadow: rgba(60, 64, 87, 1) 0px 1px 2px 0px, rgba(60, 64, 67, 0.5) 0px 2px 6px 2px;
    }

    .container {
      width: 80%;
      margin: auto;
      text-align: center;
      font-size: 4vw;
      padding: 2rem;
    }
```

```css
    input[type=text],
    input[type=password] {
      width: 100%;
      padding: 12px 20px;
      margin-top: 10px;
      margin: 8px 0;
      display: inline-block;
      border: 1px solid #ccc;
      box-sizing: border-box;
    }

    .contain {
      width: 90%;
      margin: auto;
      padding: 1rem;
    }

    .lo {
      text-decoration: none;
      background-color: #04AA6D;
      color: white;
      padding: 1px 20px;
      border: none;
      border-radius: 7px;
      margin-top: 1rem;
      cursor: pointer;
      width: 100%;
      font-size: larger;
    }

    .lo:hover {
      opacity: 0.8;
    }
  </style>
</head>

<body>
  <div class="outer-container">
    <h1 class="container">LOGIN/SIGNIN</h1>
    <form action="stocks.html">
      <div class="contain" style="background-color:#f1f1f1">
        <label for="uname"><b>Username</b></label>
        <input type="text" placeholder="Enter Username" name="uname"
id="user" required />
        <label for="psw"><b>Password</b></label>
```

```html
        <input type="password" placeholder="Enter Password"
name="psw"  id="pass" required />
        <label>
          <input type="checkbox" checked="checked" name="remember">
Remember me
        </label>
          <input type="submit" value="submit" class="lo"
onclick="getValuesForm()">
      </div>
    </form>
  </div>
  <script>
    function getValuesForm() {
      var username = document.getElementById("firstproject").value;
      var password = document.getElementById("vishrothcharan").value;
      if( username != ""  &&  password != "" ){
        alert("Your Username is : "+username);
      }
      else{
        alert("UNSUCCESS");
      }
      console.log("username : "+username);
    }
  </script>
</body>

</html>
```

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>stocks</title>
  <script src="https://cdn.jsdelivr.net/npm/chart.js@4.1.2/dist/chart.umd.min.js"></script>
  <style>
    body {
      background-image: url('https://cdn-scripbox-wordpress.scripbox.com/wp-content/uploads/2021/09/us-stock-market-timings-vector.png');
      background-repeat: no-repeat;
      background-size: 700px 500px;
      background-attachment: fixed;
      background-position: right;
    }

    * {
      box-sizing: border-box;
    }

    body {
      margin: 0;
      font-family: Arial, Helvetica, sans-serif;
    }

    .vishro {
      overflow: hidden;
      background-color: #e9e9e9;
    }

    .vishroth a {
      float: left;
      display: block;
      color: black;
      text-align: center;
      padding: 14px 16px;
      text-decoration: none;
      font-size: 17px;
```

```css
}

.vishroth a:hover {
  background-color: #ddd;
  color: black;
}

.vishroth a.active {
  background-color: #2196F3;
  color: white;
}

.vishroth .search-container {
  float: right;
}

.vishroth input[type=text] {
  padding: 8px;
  margin-top: 8px;
  font-size: 17px;
  border: none;
}

.vishroth .search-container button {
  float: right;
  padding: 6px;
  margin-top: 8px;
  margin-right: 16px;
  background: #ddd;
  font-size: 17px;
  border: none;
  cursor: pointer;
}

.vishroth .search-container button:hover {
  background: #ccc;
}

@media screen and (max-width: 600px) {
  .vishroth .search-container {
    float: none;
  }

  .vishroth a,
  .vishroth input[type=text],
```

```css
    .vishroth .search-container button {
      float: none;
      display: block;
      text-align: left;
      width: 100%;
      margin: 0;
      padding: 14px;
    }

    .vishroth input[type=text] {
      border: 1px solid #ccc;
    }
}

.button {
  border: none;
  color: white;
  padding: 16px 32px;
  text-align: center;
  text-decoration: none;
  display: inline-block;
  font-size: 16px;
  margin: 4px 2px;
  transition-duration: 0.4s;
  cursor: pointer;
}

.button1 {
  background-color: white;
  color: black;
  border: 2px solid #4CAF50;
}

.button1:hover {
  background-color: #4CAF50;
  color: white;
}

.button2 {
  background-color: white;
  color: black;
  border: 2px solid yellow;
}

.button2:hover {
```

```
      background-color: yellow;
      color: white;
    }
    #second{
      display: none;
      background-color: black;
    }
  </style>
</head>

<body>
  <div class="vishroth">
    <a class="active" href="#home">Home</a>
    <a href="https://www.bseindia.com/?">BSE</a>
    <a href="https://crypto.com/">Crypto</a>
    <div class="search-container">
      <form action="/action_page.php">
        <input type="text" placeholder="enter the stock name"
name="search" id="myInput">
        <button type="button" onclick="getApi();">Submit</button>
      </form>
    </div>
  </div>
  <div id="first">
    <div class="heading">
      <h2>GROWMORE</h2>
    </div>
    <br />
    <br />
    <br />
    <br />
    <br />
    <br />
    <br />
    <br />
    <h1>WELCOME TO GROWMORE </h1>
    <h3>start your investing journey</h3>
    <h3>with growmore</h3>
    <button class="button button1" style="border-radius: 10px;"><a
href="https://growmoreindia.co.in/" style="text-decoration:
none;">Invest in stocks</a></button>
    <button class="button button2" style="border-radius: 10px;"><a
href="https://www.google.com/finance/?hl=en" style="text-decoration:
none;">Today stocks</a></button>
  </div>
```

```html
  <div id="second">
    <canvas id="myChart" width="400" height="200"></canvas>
  </div>
  <script>
    const options = {
      method: 'GET',
      headers: {
        'X-RapidAPI-Key':
'ba77dd4c81msh6b4cd74bca768c8p123611jsn0e170ee4c000',
        'X-RapidAPI-Host': 'yahoo-finance15.p.rapidapi.com'
      }
    };

    async function getApi() {
      document.getElementById("first").style.display = "none"
      document.getElementById("second").style.display = "block"
      inputVal = document.getElementById("myInput").value;
      str = 'https://yahoo-
finance15.p.rapidapi.com/api/yahoo/hi/history/' + inputVal +
'/1mo?diffandsplits=false';
      response = await fetch(str, options);
      response = await response.json();

      // console.log(response.items);
      it = response.items
      // console.log(Object.values(it))
      arr = Object.values(it);
      // console.log(arr.length)
      dates = [];
      highs = [];
      for (i = 0; i < arr.length; i++) {
          dates.push(arr[i].date)
          highs.push(arr[i].high);
      }
      // console.log(dates[1])
      const ctx = document.getElementById('myChart');

      new Chart(ctx, {
          type: 'line',
          data: {
              labels: dates,
              datasets: [{
                  label: 'Stock price in USD',
                  data: highs,
                  borderWidth: 1,
```

```
                // backgroundColor: 'white',
                borderColor:"yellow",
            }]
        },
        options: {
            scales: {
                y: {
                    // beginAtZero: true
                }
            }
        }
    });
}
</script>

</body>

</html>
```
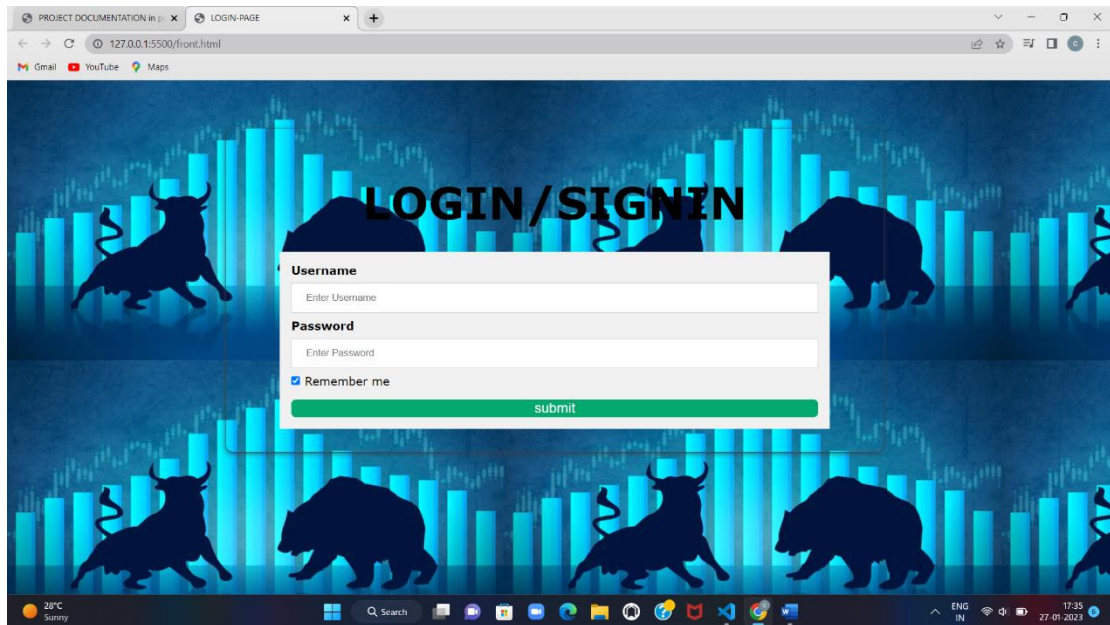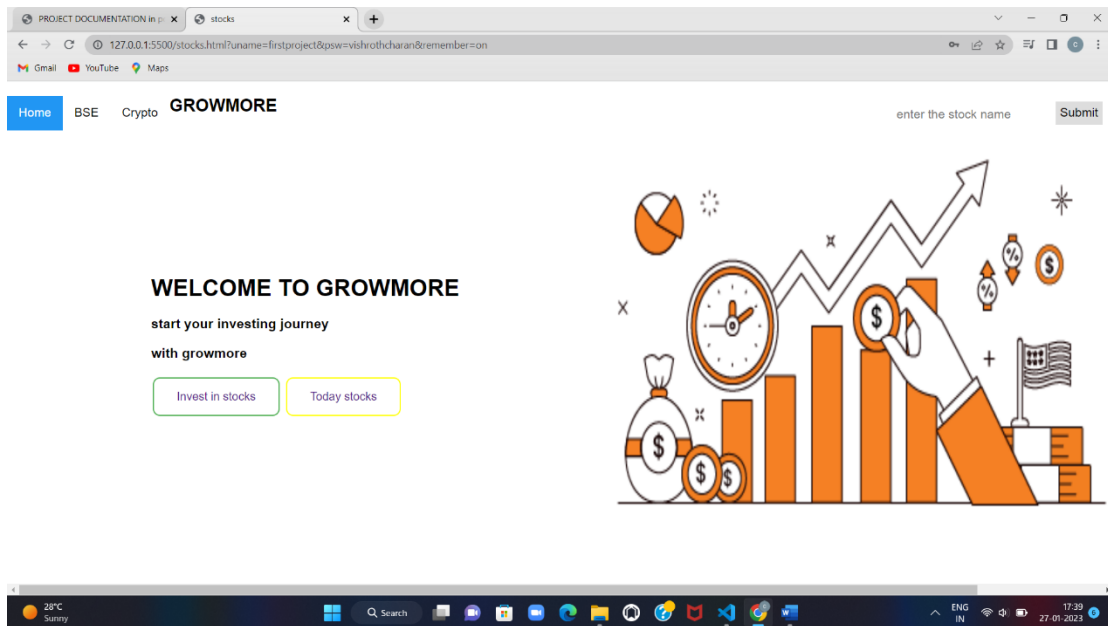
RESULT:

Fig.1 Monitor at front page where we have to enter the user name and password
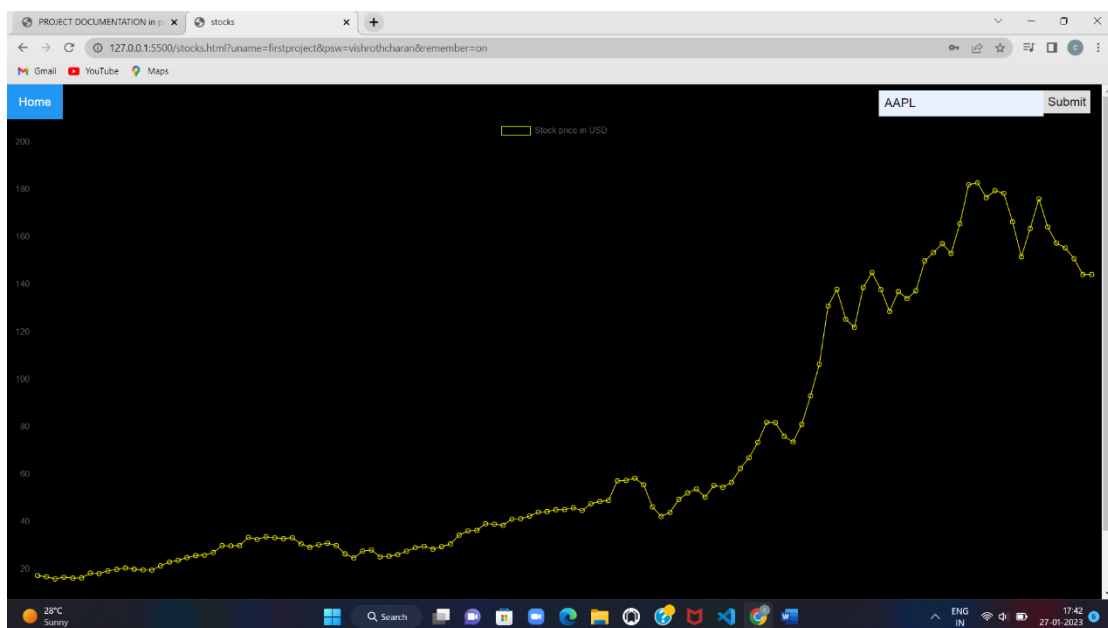
Fig.2 Front page of the website

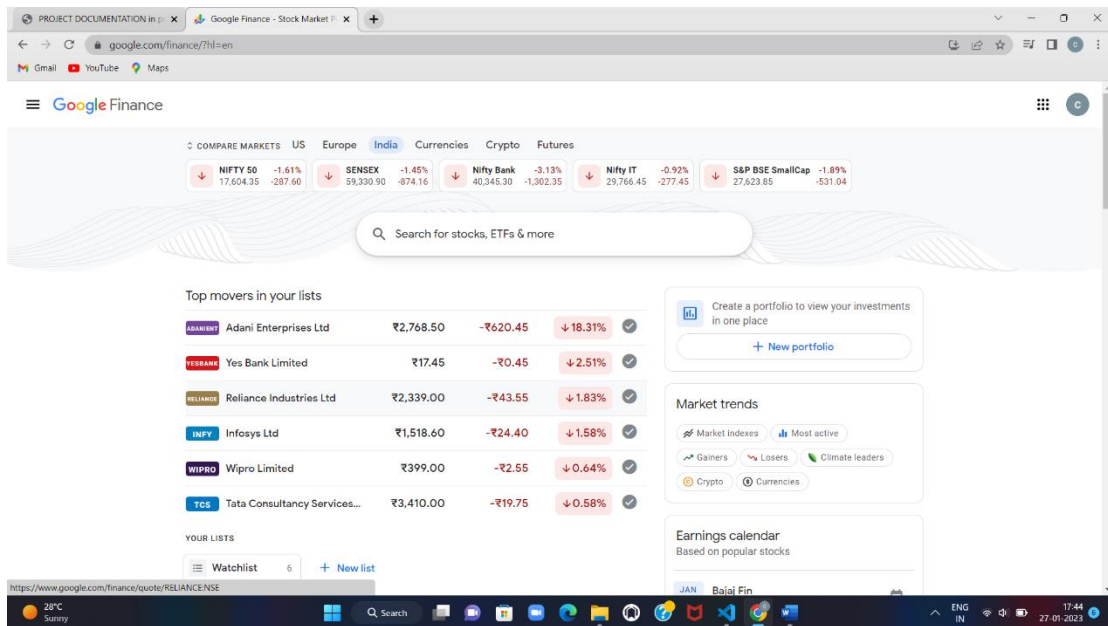**Fig.3 page showing apple stock price graph**

Fig.4 page showing some stock prices using google finance when we click on Today stocks.

Conclusion and future work

This project will show the data of the current stock prices all around the word and we can also see the future currencies like bitcoin Dogecoin with our website .

In future this website will able to predict the future stock trends and it gives the user on which stock the user can invest by taking input from user like how long dose the user want to stay invested on a particular stock user growth user portfolio growth expectancy the risk factor and gives the user the best combination of stock he can invest

References:

- **MDN web docs**
- **Rapid Api**
- **Craft js**
- **W3Schools**