PROJECT REPORT

on

"Stock Market Website"

Department of Computer Engineering & Applications

GLA UNIVERSITY, MATHURA-281406

SESSION- 2022-23

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Declaration

We hereby declare that the work which is being presented in the Full Stack Project "**Stock Market Website, in partial fulfilment of the** requirements for Full Stack Project viva voice, is an authentic record of our own work carried by the team members under the supervision of our mentor Mr. Bhanu Kapoor.

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Certificate

This is to certify that the above statements made by the candidates are correct to the best of my/our knowledge and belief.

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About the Project

Stock Market Website project will provide you with the latest and trending information related to current companies stocks and global news. knowledge of the movies coming in the market on latest dates. It works just like other online streaming applications but you can access it for free that is with less amount to spend on.

It works as a informative stock site which all the services that are as same and uninterrupted but with less amount to spend.

It consists of components like home page, login pages, landing page and many more. The user can access to the Stock market website by logging in with his/her credentials on the login page and then selecting their favourite stocks to watch and explore. Depending on the choice of the users it will also create a favourite stocks and recommendations.

Also, the customer or the user may get banned in case of going against the policies of the site.

Motivation

Stock Market Website allow financial intermediaries to find their favorite stocks and expand investment opportunities. In this way, investors use stock market websites and can learn how to invest wisely by accessing the funds they want to invest in. Instead of substantial market value, stock trading platforms have demonstrated their unprecedented value for both investors and brokers. The ability to access real-time market trading data is the main reason why users switch to using such platforms.

Requirements

a). Software Requirements:

- Language Used: JavaScript
- User Interface Design: HTML, CSS, JavaScript
- Web Browser: Google Chrome and Microsoft Edge Front End: HTML, CSS, JavaScript
- GitHub: GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. GitHub

  Repository: A GitHub repository can be used to store a development project. It can contain folders and any type of files (HTML, CSS, JavaScript, Documents, Data, Images). A GitHub repository should also include a license file and a README file about the project. A GitHub repository can also be used to store ideas, or any resources that you want to share.

b). Hardware Requirement:

- Processor: AMD Ryzen 5 5600U With Radeon Graphics 2.30GHz
- Operating System: Windows
- Ram: 8GB
- Hardware Devices: Laptop
- Hard Disk: Minimum as per bran

Acknowledgement

We thank the almighty for giving us the courage and perseverance in completing the project. This project itself is an acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success.
We extend our sincere thanks to Mr. Bhanu Kapoor,

Technical Trainer at "GLA University, Mathura" for providing his valuable guidance at every stage of this project work. We are profoundly grateful towards the unmatched services rendered by him. And last but not least, we would like to express our deep sense of gratitude and earnest thanks giving to our dear parents for their moral support and heartfelt cooperation in doing the project.

"Stock Market Website"

Abstract

Stock trading platforms allow financial intermediaries to find their favorite stocks and expand investment opportunities. In this way, investors use stock market websites and can learn how to invest wisely by accessing the funds they want to invest in. Instead of substantial market value, stock trading platforms have demonstrated their unprecedented value for both investors and brokers.

The ability to access real-time market trading data is the main reason why users switch to using such platforms. Moreover, cutting-edge technologies such as artificial intelligence can be built into a stock market website to help users make better stock choices while reducing investment risk.

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Introduction

A stock market, equity market, or share market is the aggregation of buyers and sellers of stocks (also called shares), which represent ownership claims on businesses; these may include securities listed on a public stock exchange, as well as stock that is only traded privately, such as shares of private companies which are sold to investors through equity crowdfunding platforms. Investment is usually made with an investment strategy in mind. This stock market website will give all the magnified and intelligent advice as well as a researched opinion of the stocks you pick or want a brief knowledge about the company. We share profitable information all free of cost to help investors to navigate the lesser risks in this unstable land of trading.

Technologies Used

HTML stands for Hypertext Markup Language. It is used to design web pages.
using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g., HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text. HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format. HTML was created by Tim Berners-Lee in 1991. The first-ever version of HTML was HTML1.0 , but the first standard version was HTML2.0 , published in 1995

Elements and Tags:

HTML uses predefined tags and elements which tell the browser how to properly display the content. Remember to include closing tags. If omitted, the browser applies the effect of the opening tag until the end of the page.HTML 1.0, but the first standard version was HTML 2.0, published in 1995.

HTML page structure:

The basic structure of an HTML page is laid out below. It contains the essential building-block elements (i.e., doctype declaration, HTML, head, title, and body elements) upon which all web pages are created.
Basic/built-in text editors are Notepad (Windows) and TextEdit (Macs). Basic text editors are entirely sufficient for when you are just getting started. As you progress, there are many featurerich text editors available which allow for greater function and flexibility.

CASCADING STYLE SHEETS (CSS):

Cascading **S**tyle **S**heets, fondly referred to as **CSS**, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page. It describes how a webpage should look: it prescribes colours, fonts, spacing, and much more. In short, you can make your website look however you want. CSS lets developers and designers define how it behaves, including how elements are positioned in the browser.
While html uses tags, CSS uses rulesets. CSS is easy to learn and understand, but it provides powerful control over the presentation of an HTML document.

- **CSS saves time:** You can write CSS once and reuse the same sheet in multiple HTML pages.

- **Easy Maintenance:** To make a global change simply change the style, and all elements in all the webpages will be updated automatically.
- **Search Engines:** CSS is considered a clean coding technique, which means search engines will not have to struggle to "read" its content.
- **Superior styles to HTML:** CSS have a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.
- **Offline Browsing:** CSS can store web applications locally with the help of an offline cache. Using this we can view offline websites.
- **CSS** comprises style rules that are interpreted by the browser and then applied to the corresponding elements in your document.

A style rule set consists of a selector and declaration block. The selector points to the HTML element you want to style.

- The declaration block contains one or more declarations separated by semicolons.
- Each declaration includes a CSS property name and a value, separated by a colon. CSS declaration always ends with a semicolon, and declaration blocks are surrounded by curly braces.

Inheritance, the Cascade, and Specificity are the big three. Understanding these concepts will allow you to write very powerful stylesheets and save time by writing fewer CSS rules.

CSS Box Model:

- Every element in CSS can be represented using the BOX model
- It allows us to add a border and define space between the content
- It helps the developer to develop and manipulate the elements
- It consists of 4 edges
- Content edge – It comprises of the actual content
- Padding edge – It lies in between content and border edge
- Border edge – Padding is followed by the border edge
- Margin edge – It is an outside border and controls the margin of the element.

- **JAVA SCRIPT:**

JavaScript is a dynamic computer programming language. It is lightweight and most used as a part of web pages, whose implementations allow clientside script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities. JavaScript was first known as **Live Script,** but Netscape changed its name to JavaScript, possibly because of the excitement being generated by Java. JavaScript made its first appearance in Netscape 2.0 in 1995 with the name **Live Script**. The generalpurpose core of the language has been embedded in Netscape, Internet Explorer, and other web browsers. The ECMA-262 Specification defined a standard version of the core JavaScript language.

- JavaScript is a lightweight, interpreted programming language.
- Designed for creating network-centric applications.
- Complementary to and integrated with Java.
- Complementary to and integrated with HTML.
- Open and cross-platform

Client-side JavaScript is the most common form of the language. The script should be included in or referenced by an HTML document for the code to be interpreted by the browser.

- It means that a web page need not be a static HTML, but can include programs that interact with the user, control the browser, and dynamically create HTML content.
- The JavaScript client-side mechanism provides many advantages over traditional CGI server-side scripts. For example, you might use JavaScript to check if the user has entered a valid email address in a form field.
- The JavaScript code is executed when the user submits the form, and only if all the entries are valid, they would be submitted to the Web Server.
- JavaScript can be used to trap userinitiated events such as button clicks, link navigation, and other actions that the user initiates explicitly or implicitly.

One of major strengths of JavaScript is that it does not require expensive development tools. You can start with a simple text editor such as Notepad. Since it is an interpreted language inside the context of a web browser, you do not even need to buy a compiler.

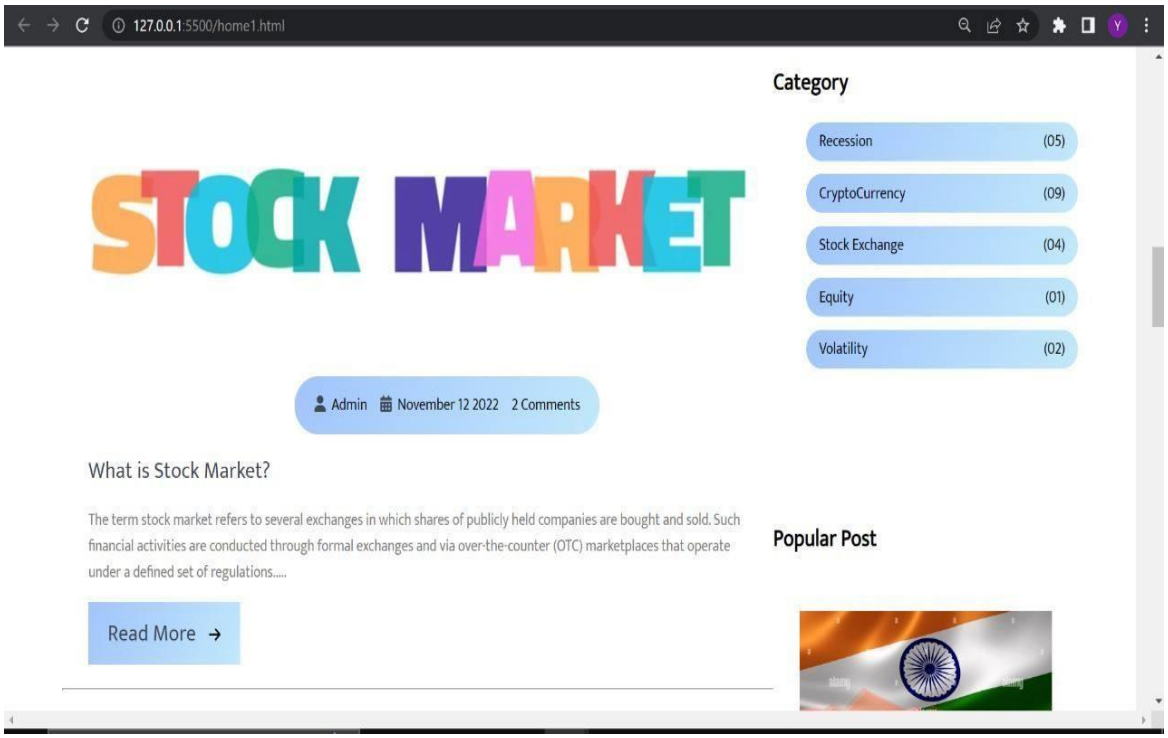
To make our life simpler, various vendors have come up with very nice JavaScript editing tools. Some of them are listed here −

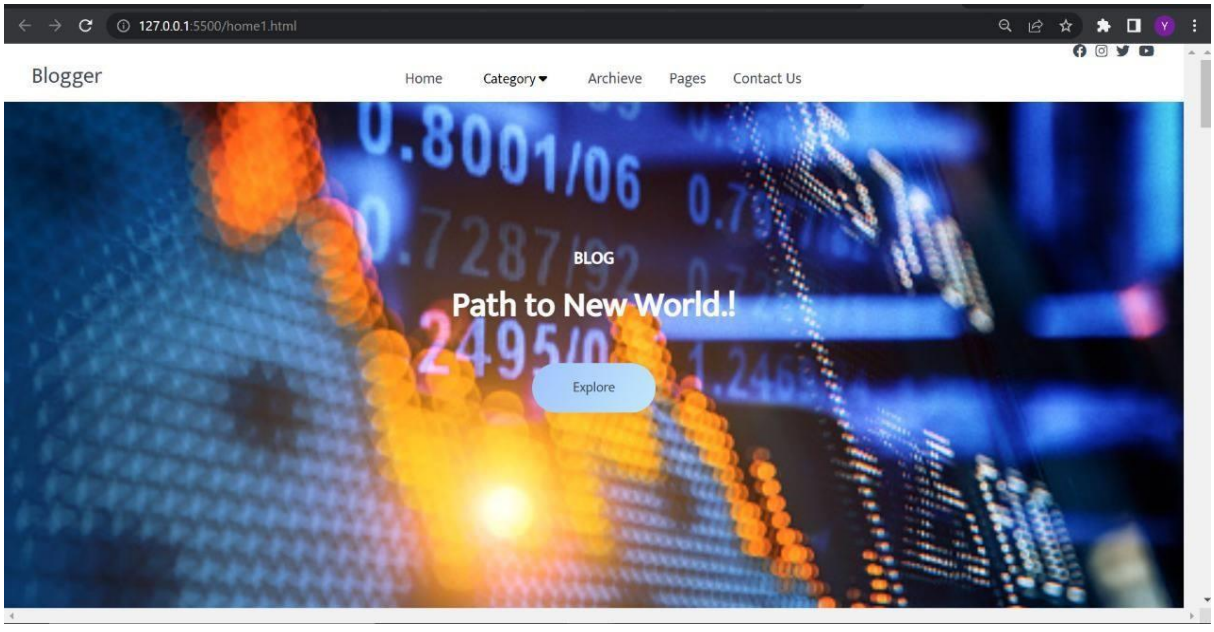
- **Microsoft FrontPage** − Microsoft has developed a popular HTML editor called FrontPage. FrontPage also provides web developers with a few JavaScript tools to assist in the creation of interactive websites.

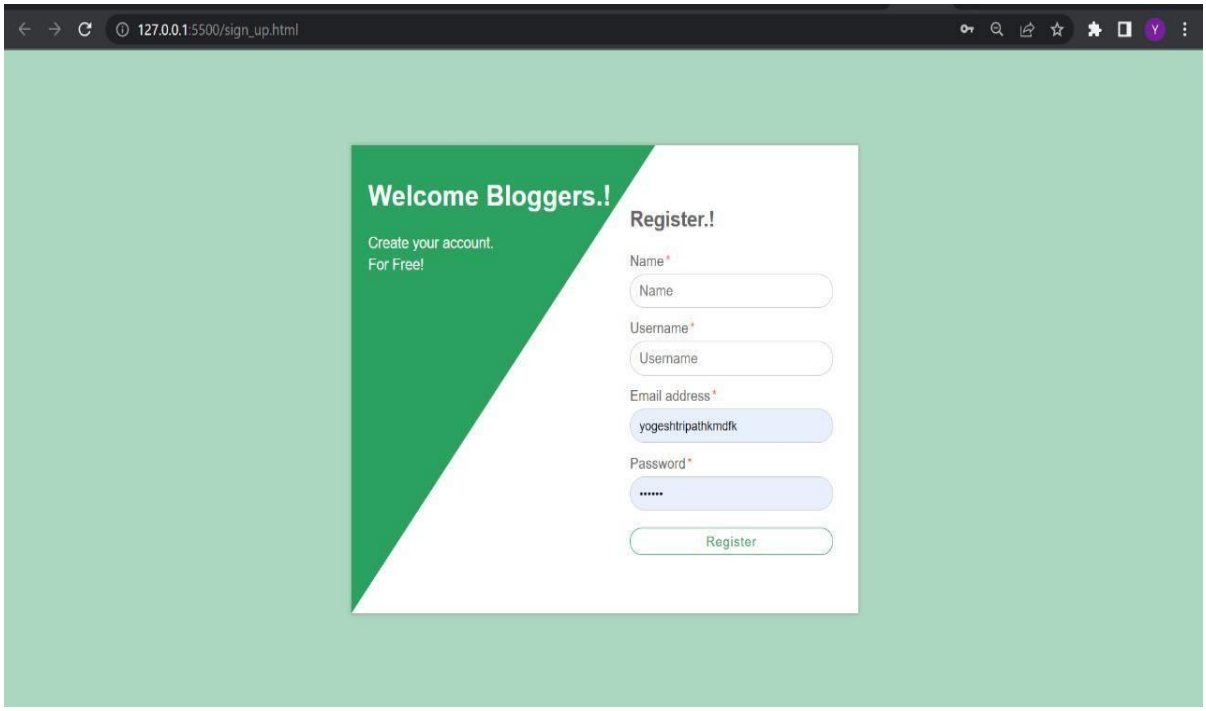
Macromedia Dreamweaver MX — Macromedia Dreamweaver MX is a very popular HTML and JavaScript editor in the professional web development crowd. It provides several handy prebuilt JavaScript components, integrates well with databases, and conforms to new standards such as XHTML and XML.

Macromedia Home Site 5 — Home Site 5 is a well-liked HTML and JavaScript editor from Macromedia that can be used to manage personal websites effectively.

List of Figures



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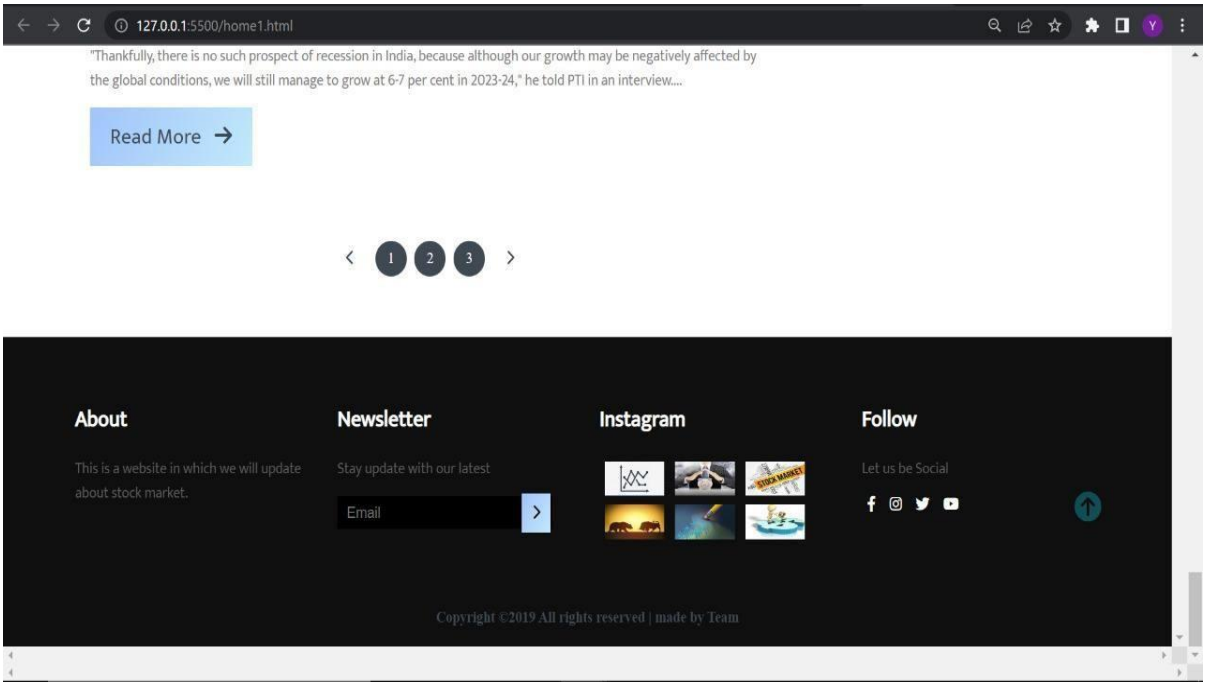
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"Thankfully, there is no such prospect of recession in India, because although our growth may be negatively affected by the global conditions, we will still manage to grow at 6-7 per cent in 2023-24," he told PTI in an interview....
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About
This is a website in which we will update about stock market.
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Conclusion

This website project will give students access to a variety of technical tools. It will allow them to learn a new set of terms and skills that are the background underlying structure to something they use every day in Stock Market.

This lesson is as much a website design exercise as it is an exercise in reading, writing, problem solving critical evaluation, and critical thinking. Students are asked not only to design, but to evaluate a proper system to use, proper color scheme, add image choices Along the way in the development of these websites, students are challenged to apply design principles, skills learned and peer feedback as it applies to their individual site design projects.

Students can use this website as a starting point for additional design projects, additional programming projects, and even forward looking to an e-portfolio type of application.

We have completed our project within time limit with the coordination of our team members under the supervision of our mentor Mr. Bhanu Kapoor.

Bibliography

www.google.com

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www.youtube.com

Our project repository is available at:

- *https://yogesh007587.github.io/project/*