

**A PROJECT REPORT ON**  
**Stock Market Learning**

**SUBMITTED TO :**  
**Geetanjali Group of Colleges**

**FRONT END :**  
ASP.NET

**BACK END :**  
SQL SERVER , C#

**AFFILIATED BY :**  
Saurashtra University

**ACADEMIC YEAR :**  
2023-2024

**PROJECT GUIDE :**  
**Prof. Kishorsinh vala**

**PREPARED BY :**  
**Tankariya Harsh Jiteshbhai**

## **ACKNOWLEDGEMENT**

- First of all we are sincerely thanked to Saurashtra University for giving a project as a particular subject.
- We are also greatly grateful to our **Geetanjali Group of colleges**.
- We are also greatly grateful to our college. We would like to thanks **Prof. Brijesh Shah (HOD)** for providing us opportunity to prepare this project.
- To complete this project many persons help us. But we are specially thanked to **Prof. Kishorsinh vala** for guiding our project analysis and development. They help our conceptualized the idea of the project and helped us streamline our work by providing us with every facility required.
- Not only college and guide help us but all the well wisher who gives us excellent support in during project.
- Thank to all

Your Faith Fully,  
Harsh Tankariya

## **PREFACE**

In 21st Century of Technology, Computer and related service is the most useful, automatic and highly speed of work. B.C.A is course in which practical aspect is important as theoretical aspect. In the present world importance of education is increasing. The project training in a student's life is like a live experience in the industry. If we have experience then & then we get top of the level.

Most Important Factor of B.C.A Course is Project Work. The Project Work is Must for Every Student in Different Government or Private Organization during the Study Period.

We are developing project in 6th Semester of B.C.A we are the student of Geetanjali Group of Colleges Is Affiliated with Saurashtra University, Rajkot.

We are create this project dynamic and in this project we provide insert, update and delete operation on admin side and select at client side so user can easily show site and give feedback. In client side only feedback can add other any page can't perform add operation.

We have gone through and study necessary information, which is collected and presented in this report. We are trying our best in this project. We have taken almost care that are information provided in the project is true and project is in a smooth running condition and error free.

# Stock Market Learning

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## **Profile of project**

<b>Project Title</b>	:	Stock Market Learning
<b>Development Software</b>	:	Visual Studio 2022
<b>Front End</b>	:	ASP.NET
<b>Backend</b>	:	SQL SERVER , C#
<b>Academic Year</b>	:	2023-2024
<b>Developed By</b>	:	Harsh Tankariya
<b>Submitted To</b>	:	Geetanjali College
<b>Documentation Tool</b>	:	Microsoft Word
<b>Operating System</b>	:	Windows

## Software Development Life Cycle (SDLC)

### 1. Project Initiation:

- Define the project's goals, objectives, and scope for the stock market learning website.
- Identify key stakeholders and establish communication channels.
- Perform a feasibility study to ensure the viability of the project.

### 2. Planning:

- Develop a project plan outlining tasks, timelines, and resource allocation.
- Identify and allocate necessary resources, including developers, content creators, and subject matter experts.
- Determine the technology stack, specifying the use of ASP.NET for web development.
- Identify potential risks and create a risk mitigation plan.

### 3. Requirement Gathering:

- Collaborate with stakeholders to gather detailed requirements for the stock market learning website.
- Define features such as user registration, course management, interactive learning modules, quizzes, progress tracking, and forums.
- Document user stories, use cases, and functional specifications.

## 4. System Design:

- Create a system architecture design for the website.
- Plan the website's user interface (UI) design and user experience (UX).
- Define security measures to protect user data and ensure a secure learning environment.

## 5. Development:

- Develop the stock market learning website using ASP.NET.
- Develop features for browsing and enrolling in courses, accessing learning materials
- Implement responsive design for various devices and browsers.
- Conduct unit testing and debugging to ensure code quality.

## 6. Testing:

- Perform functional testing to ensure all features work as intended.
- Test the performance of the website to ensure optimal speed and responsiveness.
- Fix bugs and issues identified during testing.

## 7. Deployment:

- Prepare the production environment for hosting the stock market learning website.
- Deploy the ASP.NET application on a web server.
- Configure databases and web servers for optimal performance.

## 8. Maintenance and Support:

- Establish a process for ongoing maintenance and support.
- Address user feedback and bug reports promptly.
- Regularly update the website with new courses, content, and features.
- Monitor website performance and security.

## 9. Project Closure:

- Evaluate the success of the project against initial objectives.
- Create documentation for future reference and maintenance.
- Conduct a post-implementation review with stakeholders.
- Archive project files and release resources.



# SYSTEM REQUIREMENT

There are two types of system requirement.

-Hardware

-Software

### ○ Hardware:-

- Processor:-

8 Bit, 2 core, 1.2 GHz or higher.

- RAM:-

4GB for development and evaluation use or more

- Hard disk:-

100 MB or More

## ○ Software:-

- Platform:-

Windows

- Operating system:-

Windows 10 profession or any

- Front End tool:-

ASP.NET

- Back end tool:-

SQL server

- Editing tool:-

Microsoft visual web developer 2010 Express Edition

- Browser:-

Internet Explorer or

Mozilla Firefox or

Google Chrome or Any browser

## **DATA DICTIONARY**

Database Tables :

- admin
- feedback
- market\_news\_table
- ipo\_news\_table
- sme\_news\_table

### **admin:-**

Field Name	Data Type	Constraints
user_id	int	-
username	varchar(50)	-
password	varchar(50)	-

### **Feedback:-**

Field Name	Data Type	Constraints
id	int	-
name	varchar(50)	-
email	varchar(50)	-
message	varchar(50)	-

## Market\_news\_table:-

Field Name	Data Type	Constraints
newsdate	varchar(50)	-
newst	varchar(Max)	-
newsd	varchar(Max)	-

## ipo\_news\_table:-

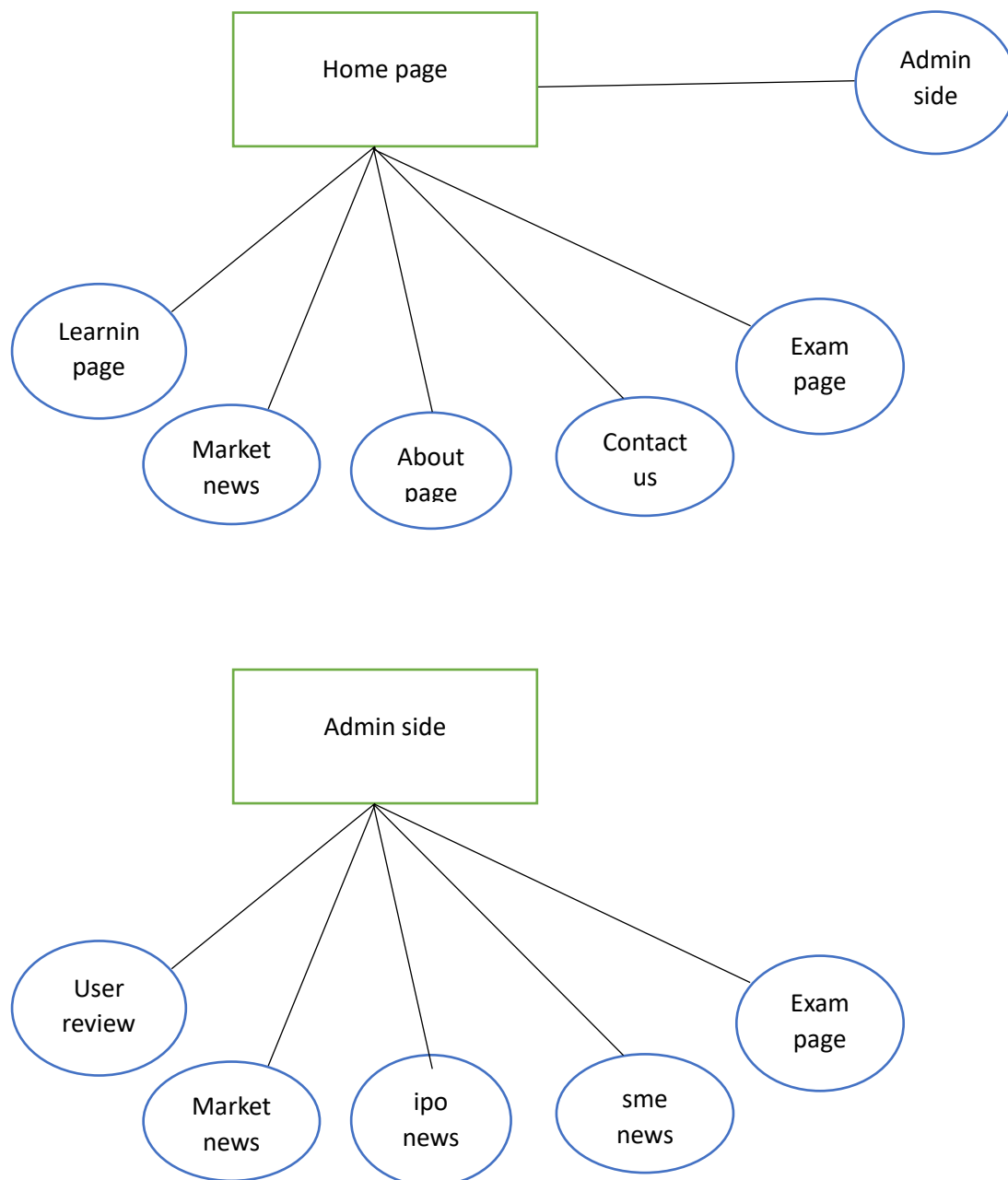
Field Name	Data Type	Constraints
Company Name	varchar(50)	-
Open Date	varchar(Max)	-
Close Date	varchar(Max)	-
Listing Date	varchar(Max)	-
Lot size	varchar(Max)	-
allotment	varchar(Max)	-
Listing At	varchar(Max)	-
Total Issue Size	varchar(Max)	-
Credit of Shares to Demat	varchar(Max)	-
Initiation of Refunds	varchar(Max)	-

### **sme\_news\_table:-**

Field Name	Data Type	Constraints
Company Name	varchar(50)	-
Open Date	varchar(Max)	-
Close Date	varchar(Max)	-
Listing Date	varchar(Max)	-
Lot size	varchar(Max)	-
allotment	varchar(Max)	-
Listing At	varchar(Max)	-
Total Issue Size	varchar(Max)	-
Credit of Shares to Demat	varchar(Max)	-
Initiation of Refunds	varchar(Max)	-

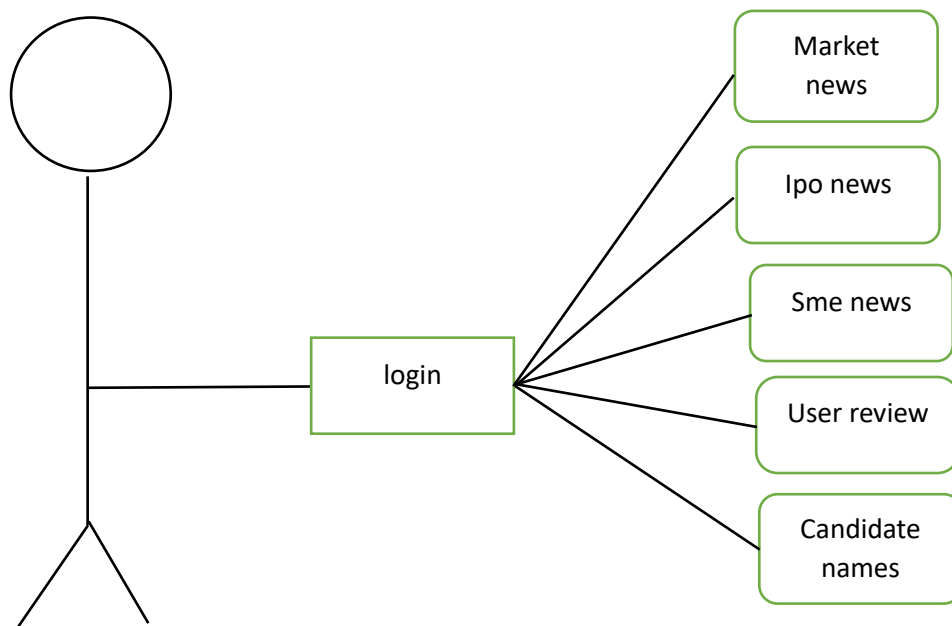
## E-R Diagram

An entity Relationship Diagram (ERD) is a data modeling technique that graphically illustrates an information system's entities and the relationship between those entities. An ERD is a conceptual and representation model of data used to represent the entity from work infrastructure.

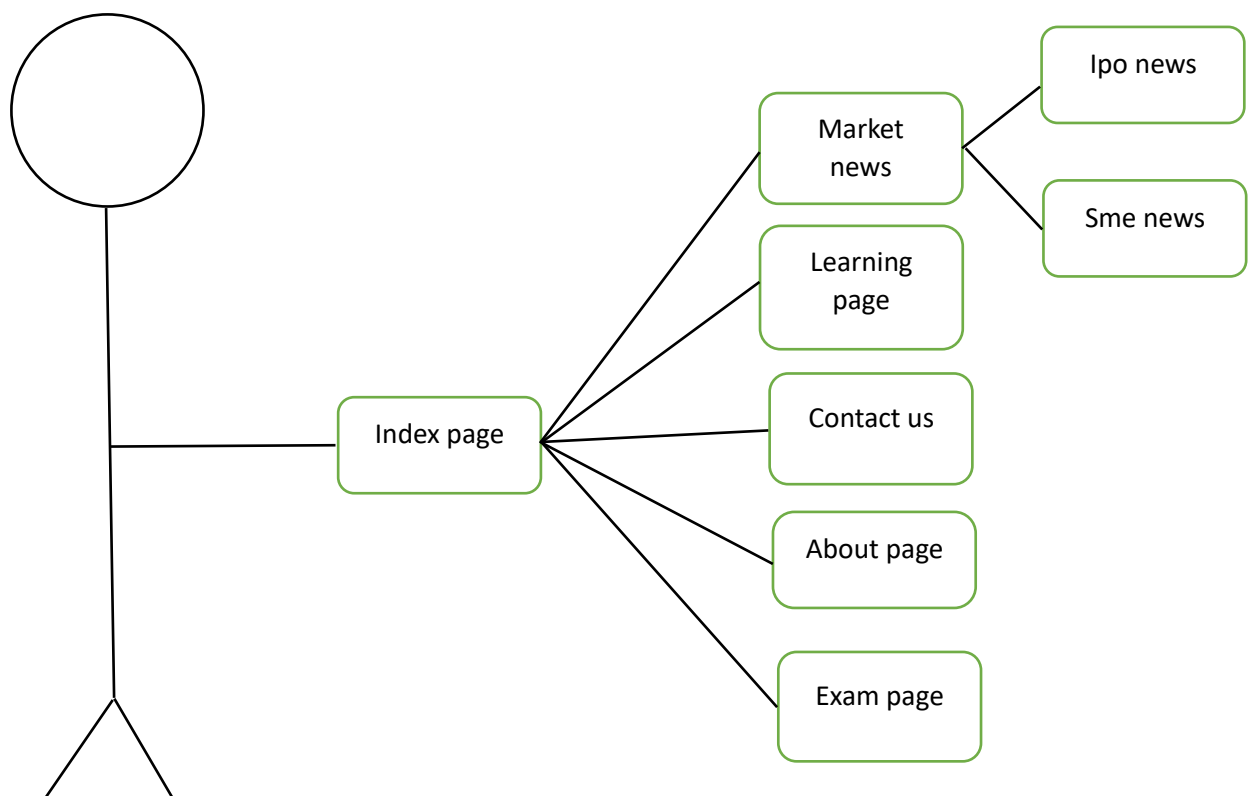


## DATA FLOW DIAGRAM

### Admin Side:-



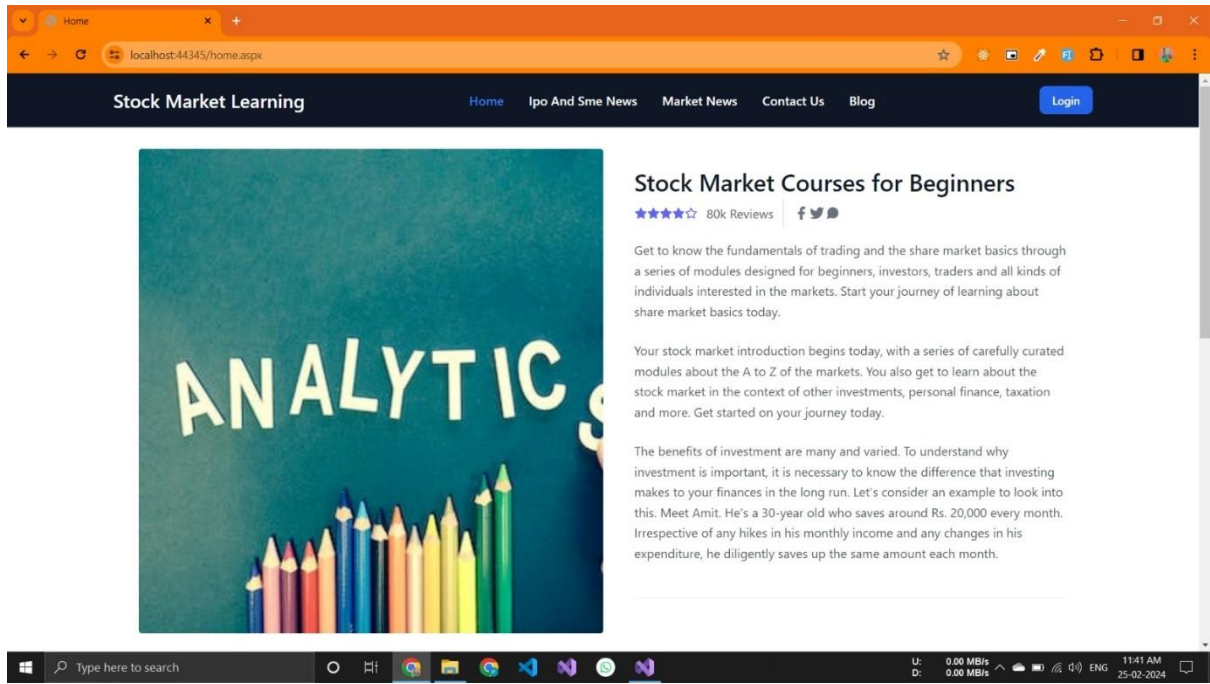
### Client Side:-



## SCREEN SHOT

Client Side:-

Home page :-



- This is home page of website.
- In This Page You Show Stock Market Basic Information
- This Page You Learn Basic Information of Stock



# Stock Market Learning

## Ipo And Sme News page :-

The screenshot displays a web browser window with the URL `localhost:44345/MarketNewsClient.aspx`. The website has a dark blue header with the title "Stock Market Learning" and navigation links: Home, Ipo And Sme News, Market News, Contact Us, and Blog. A "Login" button is also present. Below the header, the "Ipo News" section features a table with 8 columns: Id, Company Name, Open Date, Close Date, Listing Date, Listing At, Allotment Date, and Issue Size. The table contains two rows of data for "Harsh Fertilizer". Below this, the "Sme News" section features a similar table with 8 columns, containing three rows of data for "kayCee", "Harsh Fertilizer", and "Harsh Fertilizer". At the bottom of the screenshot, a Windows taskbar is visible with the search bar, task view button, and several application icons. The system tray shows network status, volume, and the date/time (11:41 AM, 25-02-2024).

Id	Company Name	Open Date	Close Date	Listing Date	Listing At	Allotment Date	Issue Size
3	Harsh Fertilizer	2024-02-14	2024-02-16	2024-02-23	BSE	2024-02-18	1000000
8	Harsh Fertilizer	2024-02-14	2024-02-17	2024-02-25	BSE	2024-02-19	1000000

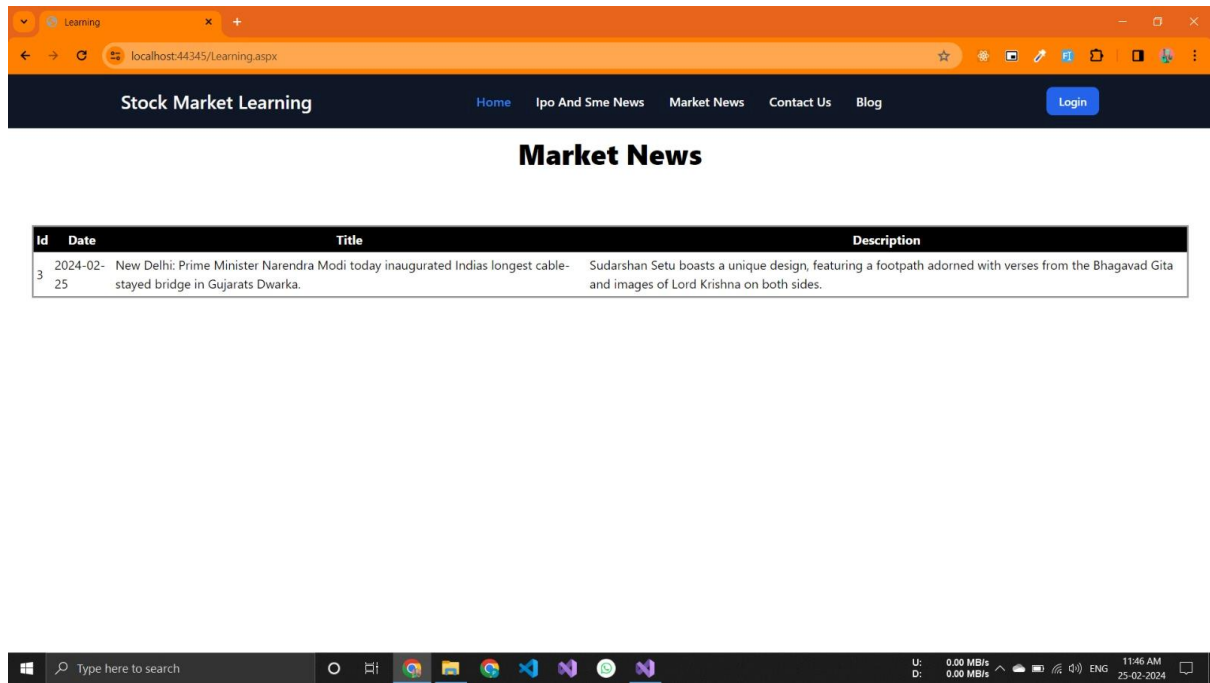
  

Id	Company Name	Open Date	Close Date	Listing Date	Listing At	Allotment Date	Issue Size
2	kayCee	2024-02-11	2024-02-13	2024-02-19	BSE	2024-02-16	1000000
3	Harsh Fertilizer	2024-02-11	2024-02-12	2024-02-17	BSE	2024-02-21	1000000
4	Harsh Fertilizer	2024-02-11	2024-02-12	2024-02-24	BSE	2024-02-15	1000000

- User can see all the ipo and sme details here like company name, price, open date, close date, allotment date and listing date.
- this page user is the read all about information IPO and

# Stock Market Learning

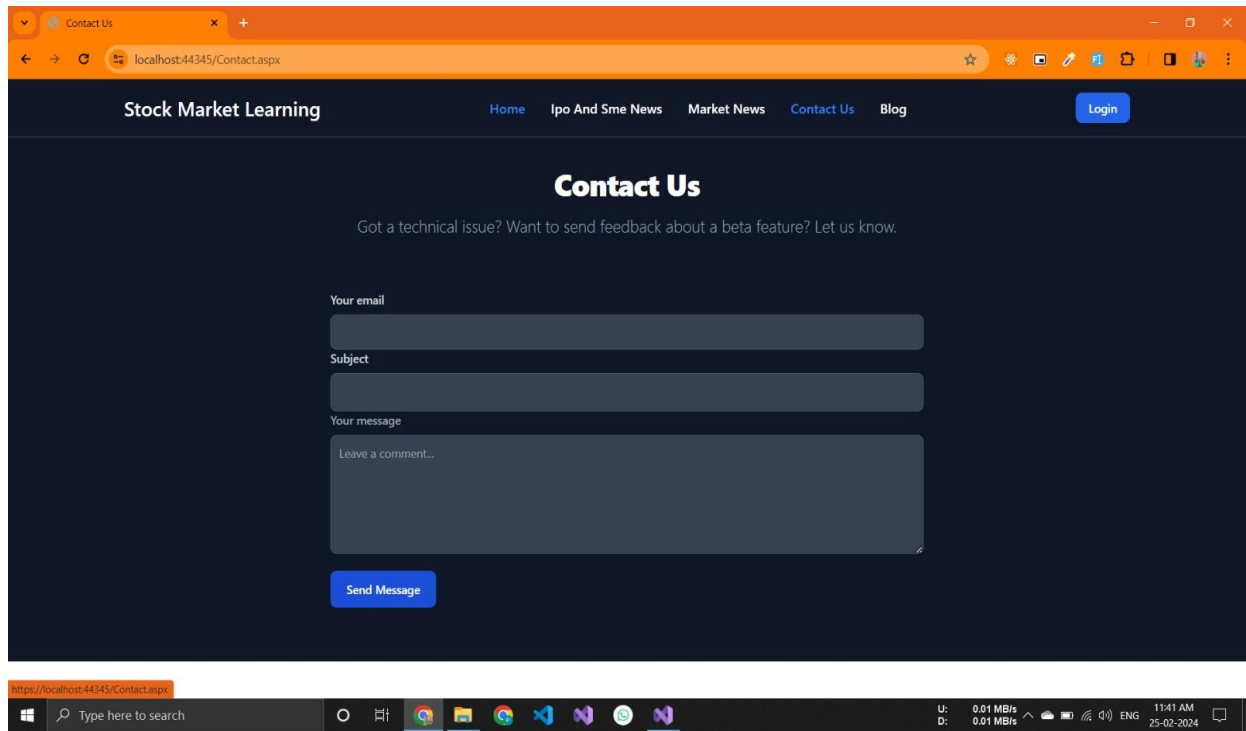
## Market News page :-



- This Is a Market News Page
- In This Page User Is Read Market News
- User Can Read Latest News In This Batch

# Stock Market Learning

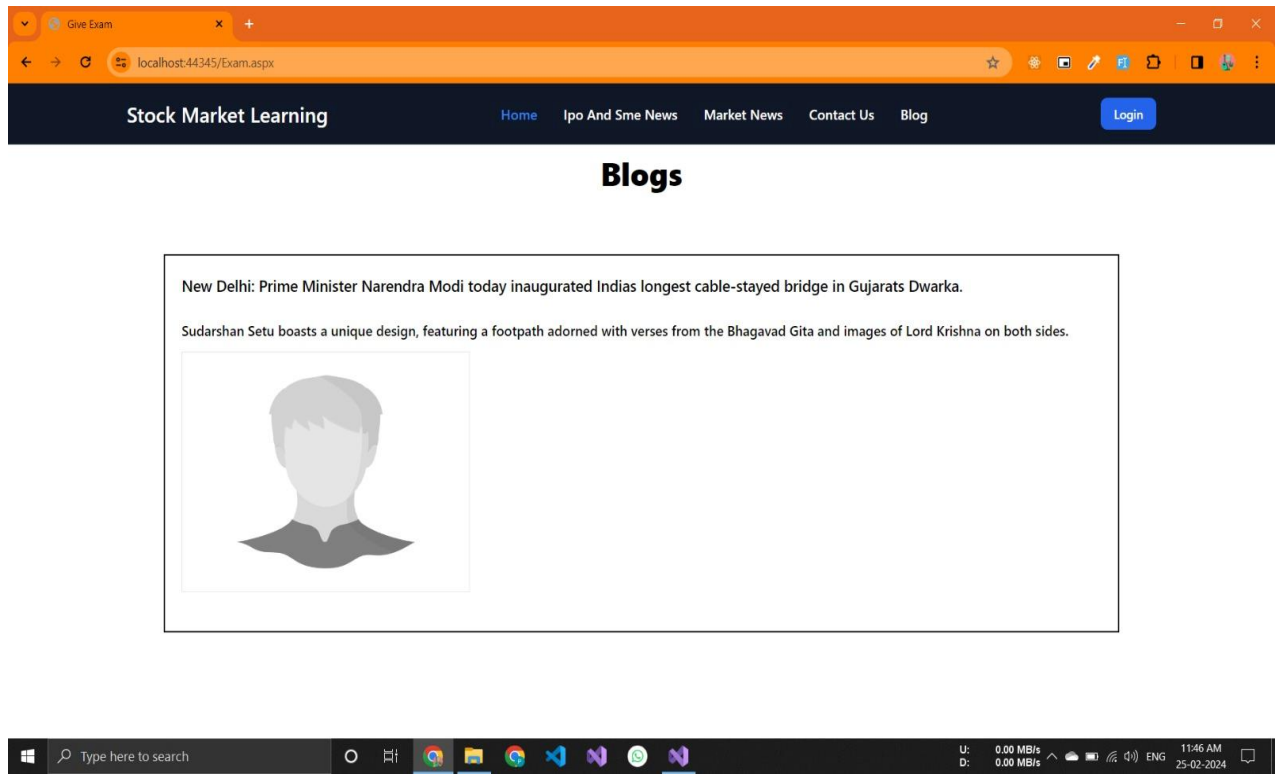
## Contact Us page :-



- This Is a Contact Page
- In This User Can Send Its Feedback About Webside

# Stock Market Learning

## Blog page :-

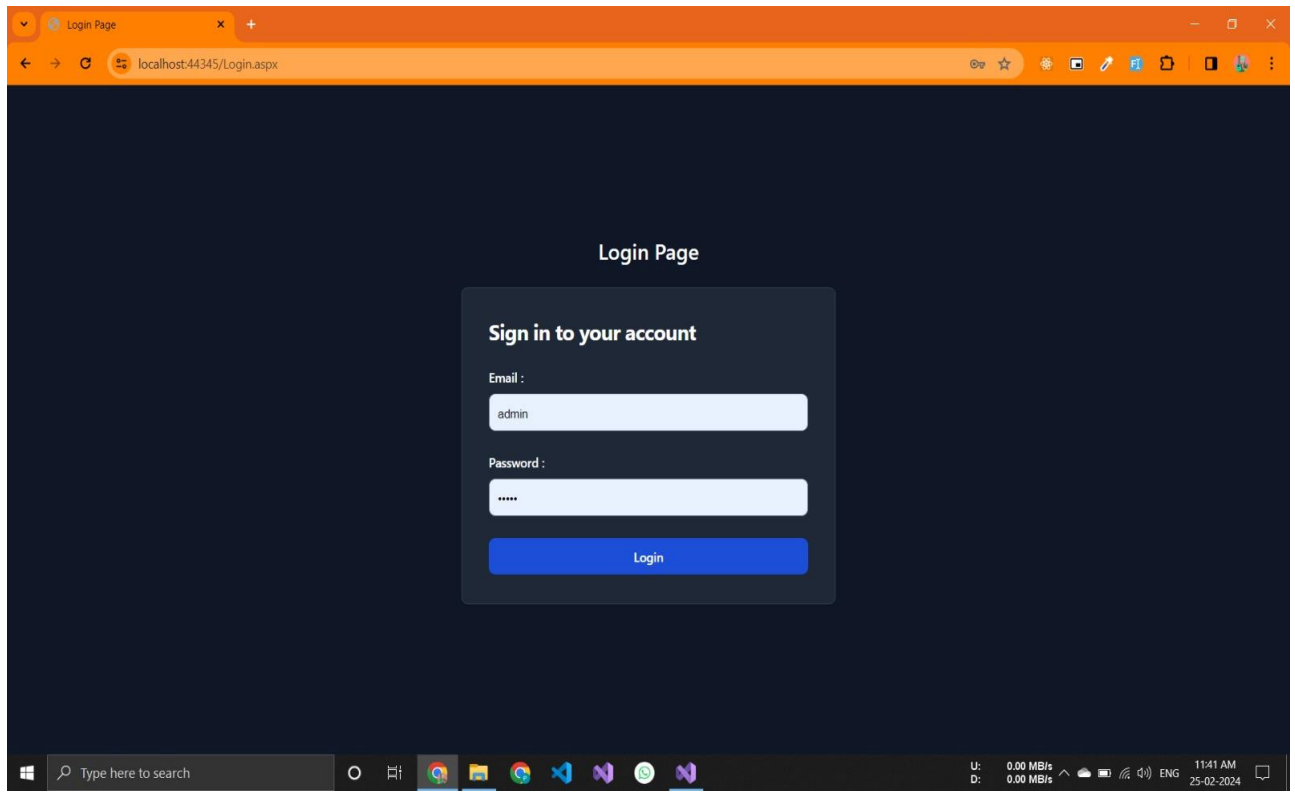


- In This Page User Can Learn About Stock Market Basic To Advance
- This Page Are Fully Dynamic Admin Is Add a blogs To Admin Side
- Admin Is Add Blogs About Learn Stock Market

# Stock Market Learning

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## Login page :-

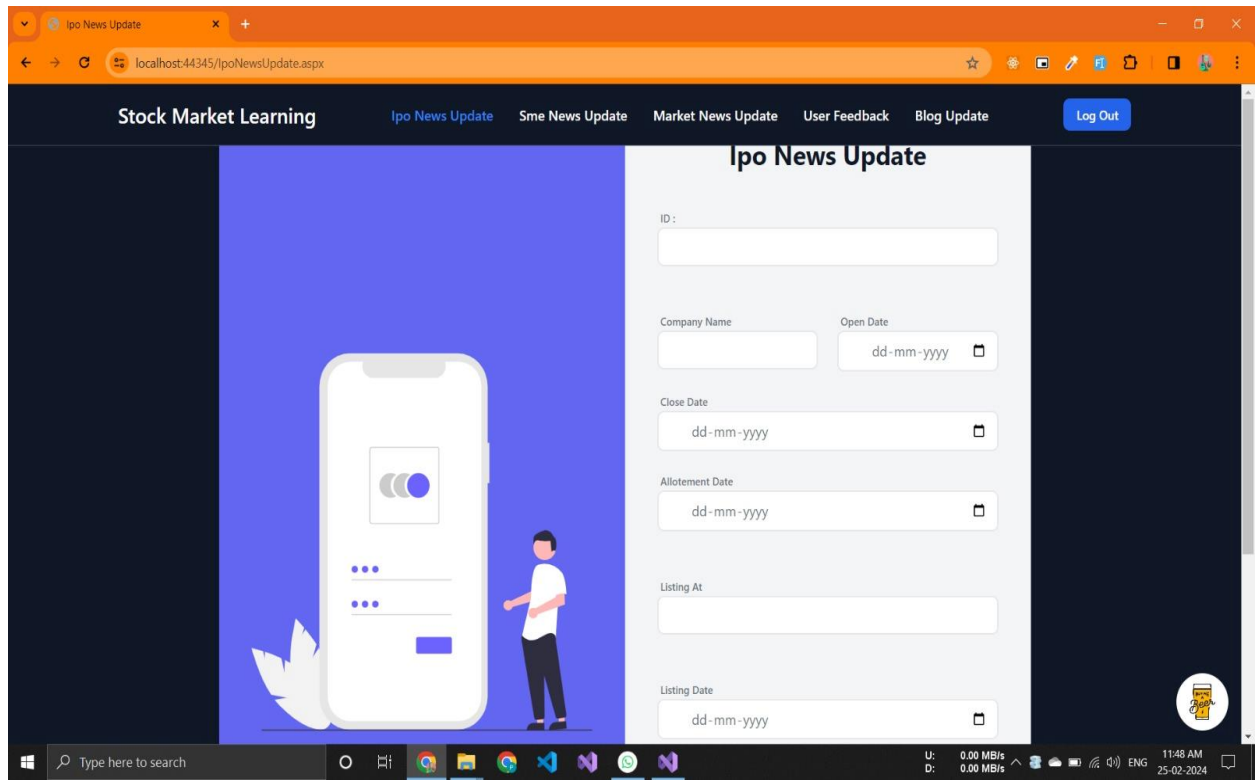


- This Is a Admin Login Page
- In Is Page Is Only Admin Login Not Any User

# Stock Market Learning

Admin :-

Ipo Update page :-



The screenshot shows a web browser window with the URL `localhost:44345/IpoNewsUpdate.aspx`. The page has a dark blue header with the title "Stock Market Learning" and navigation links: "Ipo News Update", "Sme News Update", "Market News Update", "User Feedback", "Blog Update", and a "Log Out" button. The main content area is titled "Ipo News Update" and contains a form with the following fields: "ID:" (text input), "Company Name" (text input), "Open Date" (date picker with format "dd-mm-yyyy"), "Close Date" (date picker with format "dd-mm-yyyy"), "Allotment Date" (date picker with format "dd-mm-yyyy"), "Listing At" (text input), and "Listing Date" (date picker with format "dd-mm-yyyy"). On the left side of the form, there is a large illustration of a smartphone with a person standing next to it. The Windows taskbar is visible at the bottom, showing the search bar and various application icons.

- This Is a Ipo news Update Page
- In This Page Admin Are Add IPO Update IPO And Delete IPO News To This Page
- Admin Is Add Details Here Like Company Name,Price,Open Date,Close Date,Allotment Date And Listing Date.

# Stock Market Learning

## Sme Update page :-

The screenshot displays the 'Sme News Update' page within a web browser. The browser's address bar shows the URL 'localhost:44345/SmeUpdate.aspx'. The page features a dark blue header with the following navigation links: 'Stock Market Learning', 'Ipo News Update', 'Sme News Update', 'Market News Update', 'User Feedback', 'Blog Update', and a 'Log Out' button. The main content area is divided into two sections. The left section contains a large illustration of a smartphone with a person standing next to it. The right section contains a form titled 'Sme News Update' with the following fields: 'ID:', 'Company Name', 'Open Date' (with a date picker showing 'dd-mm-yyyy'), 'Close Date' (with a date picker showing 'dd-mm-yyyy'), 'Allotment Date' (with a date picker showing 'dd-mm-yyyy'), 'Listing At', and 'Listing Date' (with a date picker showing 'dd-mm-yyyy'). The Windows taskbar is visible at the bottom of the browser window.

- Thi Page Is Same To Ipo News Page But in Page Are Add News To Sme
- In This Page Admin Are Add SME Update SME And Delete SME News To This Page
- Admin Is Add Details Here Like Company Name,Price,Open Date,Close Date,Allotment Date And Listing Date.

# Stock Market Learning

## Market News page :-

Stock Market Learning

Ipo News Update Sme News Update Market News Update User Feedback Blog Update Log Out

Market News Update

ID :

Date :  Title :

Description :

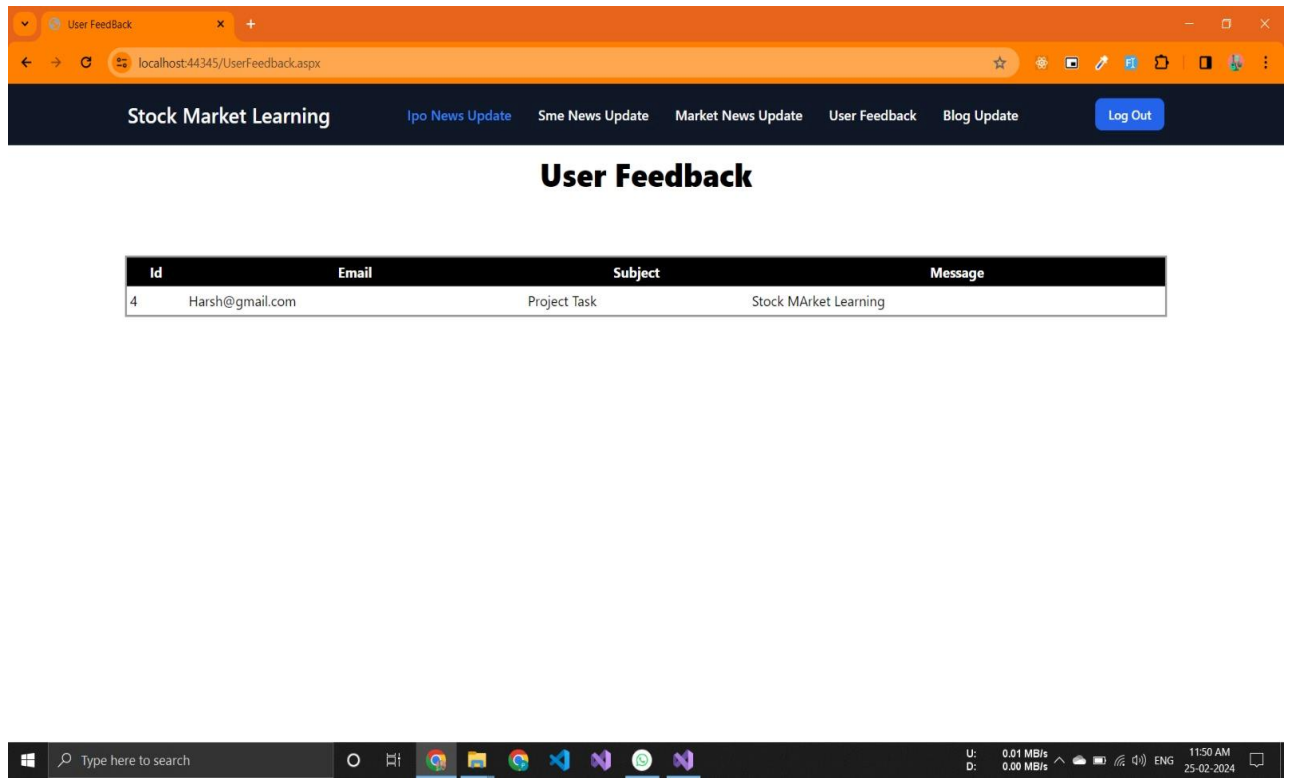
Insert Update Delete Select

- In This Page Admin Are Add Market News Update News And Delete News News To This Page
- In This Page Admin Is Add Latest News To News Date And News News title And News Detail



# Stock Market Learning

## User Feedbackpage :-



- In This Page Admin Is Show Give User Feedback to WebSide
- admin is show the details user like a email contact number or message

# Stock Market Learning

## User Feedbackpage :-

Blog Update

Id

Title

Content

Leave a comment...

Image

Choose file No file chosen

Insert Update Delete Select

- In This Page Admin Are Add Blog Update Blog And Delete Blog To This Page
- admin Are Add Blog About Stock Market learning In This Website

## **Test cases**

Case name	Case description	Actual output	Test result
Login	A Window with a two text box user name or password .	Write correct username or password and login successfully	pass
Dashboard	A page that use to insert data	A page thst use to insert whole website .	Pass
News page	A page that display databace content	A page that display all news information	pass

## **Future Enhancement**

- we will provide a facility to use our each get a certificate to exam website.
- We will provide facility to user can check their ipo and sme allotment status from our website.
- we will provide a more learning stock market tools in in website
- we will start online lecture on stock market learning to the new students or new users

## **Limitation of project**

- ⇒ User read news it can not download news PDF .
- ⇒ User can not view image for news .
- ⇒ User can not redirect any other news link .
- ⇒ our candidate is not able to get the online certificate of the given exam

### **WEBBLIOGRAPHY**

<https://www.youtube.com/>

We use this website to solve some error and other some tutorials for effects..

<https://www.w3schools.com/>

We use this website to fontend design..

<https://timesofindia.indiatimes.com/>

We use to read news for this website

## **BIBLIOGRAPHY**

- ASP.NET – Wrox Publication
- Pro ASP.NET Core Mvc 2 Book By Adam Freeman