

Bachelor of Computer Applications (BCA) Program

Project Report

BCA Semester IV

AY 2021-22

Share Broker System Management

*By:*

|  |  |
| --- | --- |
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| --- |
| Project Guide by : |
| Prof.Nidhi Desai |





C E R T I F I C A T E

## This is to certify that Mr./Ms. RANA HARSHIVKUMAR SURESHBHAI

examination number has satisfactorily completed his/her

project work entitled Share Broker System Management as partial fulfillment of requirements for BCA Semester IV, during the academic year 2021-22.

|  |  |
| --- | --- |
| Date: |  |
| Place: Surat | Prof.Nidhi Desai  SDJ International College, Surat |



*I N D E X*

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* 1. **Project Summery**

Share Tech is a ‘information source’ for all kinds of shares and also handle the clients’ A/c that inform to clients and serve the helpful knowledge and international market at any time, any moment and anywhere by the use of this software

Sitting at one place, stockholders can enquire, navigate and ask for everything related to stock market. SHARETECH is Share Broking Company with aiming to provide superior trading platform to their clients so that they can trade easily, and to provide diverse range of financial services which includes institutional and retail brokerage of equlity,currency,commodities,online trading, depository services ,IPOs , insurance.

The admin can also list all the borrow history and manage student record by providing student id, name, stream, semester and phone number .

Talking about members information section , only admin has manage this section because admin add any person who has A/c in their firm .

It is a complete online and offline share regarding solution portal in the sense the stockholders need not require moving to different share consultancy agents for different services involved in the entire share selling and buying process.

Talking about stocks info section , so the admin has to maintain all the share and company information and their price information and they also tell that which company we have invested and in future which company is great to invest.

Admin manage every section easily because it is a user friendly software. when share holders do any kind of transactions so directly is affect in their A/c .



* 1. **Project Technical Profile**

**Software Requirements:-**

|  |  |
| --- | --- |
| **Software Configuration** | |
| **Operating System** | Windows 7,8.1 and Windows 10 Pro and above |
| **Front End** | .NET Framework 4.8.0 |
| **Back End** | Microsoft Office Access 2007 |
| **Other Tools** | Not at all |

**Hardware Requirements:-**

|  |  |
| --- | --- |
| **Hardware Configuration** | |
| **Processor** | Intel(R) Core(TM) i3-5005U CPU @ 2.00GHz 2.00GHz |
| **RAM** | 2.00 GB |
| **Hard Disk** | 500 GB |
| **System Type** | 64-bit Operating System, x64-based processor |



**SCOPE:-**

* ShareTech software is a offline platform.
* This Software is developing with the purpose of manage different kinds of companies share prices.
* After insert correct user name and password admin can use software.
* It is developing for any professional firm for handle the stockholders A/c.
* Here Admin get various stockholders details.
* Here Admin get different companies prices.
* Here Admin get transactions history and also a where the user spent ruppes too much and all the details.

**OBJECTIVE:-**

* The creation of a Simple, attractive , user friendly that why it different from other software.
* Only admin can access this software’s username and password details so it is secure.
* Admin can simply check every companies prices and also get the information about where user invest and also get the details about user transactions.
* Admin get all records easily like companies price, stock holders portfolio and also access the user transaction record.
* Admin can manage all module easily so that’s why it is different to other share broker.
* Stock holders can buy any kind of share and sell them also and also they can see their portfolio also.



* 1. **Requirement Analysis**
* Success of any system depends mostly on how well Data/Requirement gathering are done. It provides direction to system analyst and designers to design a system that is efficient.
* To gather requirement for [sharetech](http://www.arhamshare.com) , following steps were carried out:
  + We got several information from Librarian of [www.arhamshare.com](http://www.arhamshare.com).

They helped us to understand required functionalities, also noted down some useful features to be included and also to know what about input and output.

* + We also consulted senior experts for technical problems.
* **Understanding the Process of System:**
  + How to Manage all Forms?
  + How to Manage Login and Registration Process?
  + How to know How Many users are Created and How many Queries Are Generated on the Particular Day?
* How to Manage All Forms linked with Each Other?
* How to Manage the Bunch of a Particular Member So that It can have the Security purpose and Keep the Data Private?
* How to Perform All User Security Level and Perform A Authentication and Give Personal Account to each User for Security Purpose?
* **ADMIN-SITE:**

**System should provide following information to Admin:**

* + Add new members by admin.
  + Save, Edit, Search, Delete members’ information.
  + Save, Edit, Search, Delete stocks information.
  + Save, Edit, Search, Delete stocks information.
  + Manage transactions Records.
  + Manage Stocks Records.



* 1. **Feasibility Study**
* A feasibility study is determined the possibility or probability of either improving the existing system or developing a completely new system. It helps to obtain an overview of the problem and to get rough assessment of whether feasible solution exists.
* There are many aspects in feasibility study portion of the preliminary investigation.

**Technological Feasibility:-**

* The technical Feasibility work for the project is done with the present equipment, manual procedures, and existing software technology & available technology hardware.
* The necessary technology, front-end, backend database technology, and other tools namely reporting tool, installation tools, etc., (as mentioned in the profile) for developing the system, are already available within the organization.

**Economical Feasibility:-**

* Economic feasibility looks at the financial aspects of the project.
* Economic feasibility concerns with the returns from the investment in a project.
* It determines whether it is worthwhile to invest the money in the proposed system. It is not worthwhile spending a lot of money on a project for no returns.
* To carry out an economic feasibility for a system, it is necessary to place actual money value against any purchases or activities needed to implement the project.

**Operational Feasibility:-**

* This phase is system operations performed by proposed system in this phase here
* Testing is the important point is user will be operating the system.
* System will work under any condition .System will allow entering & retrieving of Data only to authorized user to operate the system.
* It will work any full efficiency & accuracy as used to work with particular computer.
* There is sufficient support to the project from the management and from the intended users of the system.



* 1. **Future Development**
* It is not possible to develop a system that makes all the requirements of the user.
* User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:
* Provide More Security.
* Add More Functionality in Searching and easily fetch the data of any company and also we can see the experts advise for same.
* The complete software is goes to online in future so that user can see that A/c and think about their profile also.
* Good facility for registration and in creating account.
* Librarian can check the privacy setting for their account.
* New Option Add For Professor Details.



* 1. **>> Data Flow Diagram**

equest To Manage Book

esponse To Manage Book

Response to Manage share inforamtion

Request To Manage Stocks holders A/c.

R

R

Share

Tech

Response To get members infor.

Request To get members add,delete Return Book

ADMIN

Response To get stocks info Request To get transactions data

Response To Login Request To Login



**1st Level for Admin**

Request To Login

Fetch Data

Login

1.0

Login

Request To Manage Students Records

Response To Manage Librarians Records

Response To Login

Request To Manage Librarians Records

Store Data

Fetch Data

Librarians

Store Data

2.0

Home Page

Fetch Data

Students

Store Data

3.0

Members

Response To Manage Students Records

ADMIN

Request To Manage Return Book Records

Request To Manage Issue Book Records

Response To Manage Return Book Records

Response To Manage Issue Book Records

Request To Manage Book Records

Response To Manage Book Records

Fetch Data

Book

4.0

Stocks

Store Data

Fetch Data

Issue Book

Store Data

Fetch Data

5.0

Transactions

Return Book

Store Data

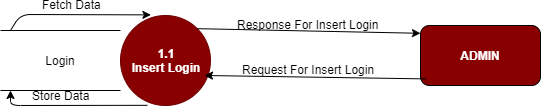
6.0

Logout

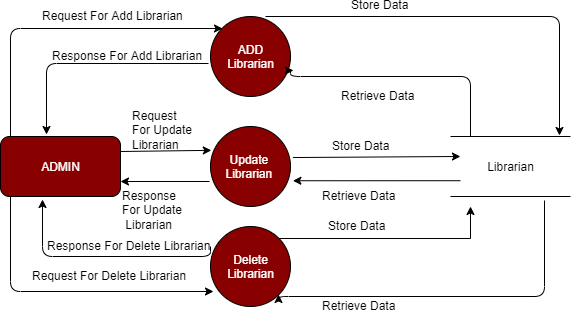


**2nd Level for Admin:-**

# 2nd Level for Login

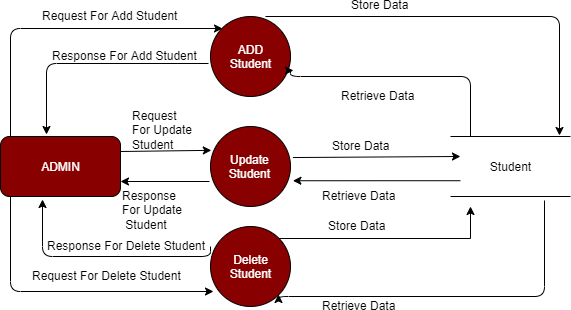


**2nd Level for Members**

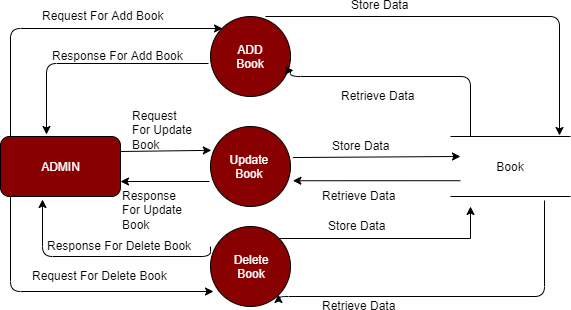




**2nd Level for members**

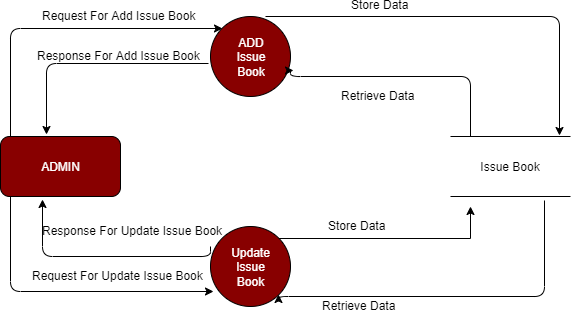


**2nd Level for trancations**

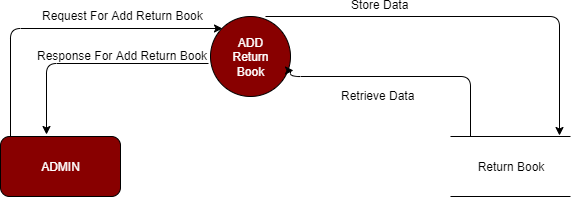




**2nd Level for members transactions**

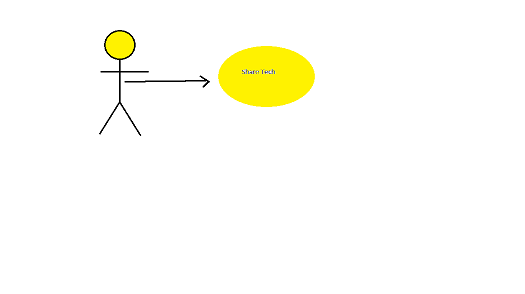


**2nd Level for companies share prices**

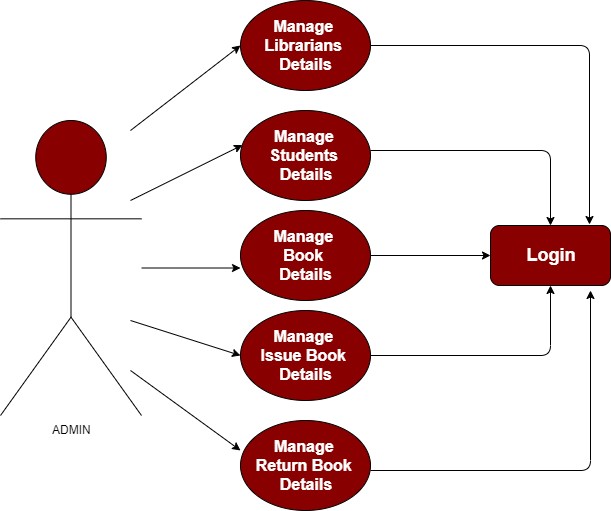




* 1. **Use Case Diagram**

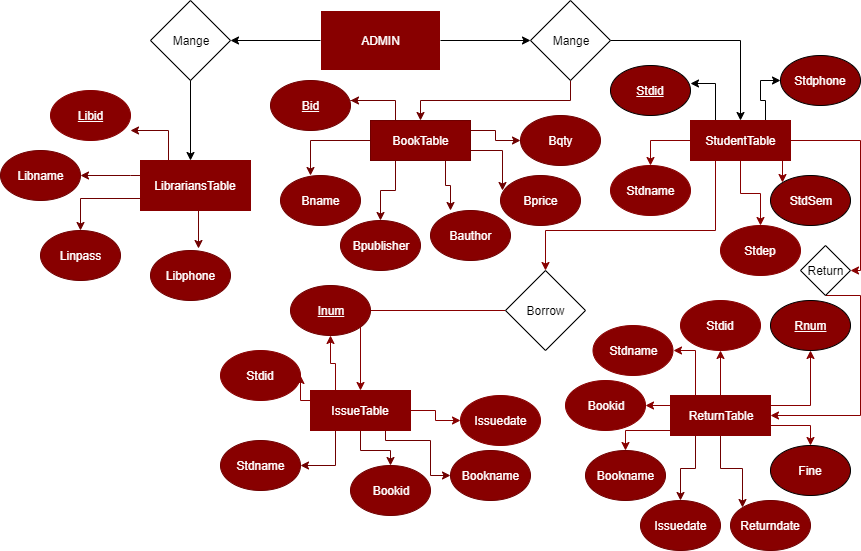


**Admin Functionality:-**





* 1. **ER Diagram**





* 1. **Database Design**

**Table name:** Admin Login

**Description:** This table gives detail about Admin Login and Password Information

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| ID | AutoNumber | Primary key | User ID |
| Username | Short Text | Not Null | Admin Name |
| Password | Short Text | Not Null | Admin Password |

**Table name:** Members information Table

**Description:** This table gives detail about Members information.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Memb.ID | AutoNumber | Primary key | Members ID |
| First Name | Short Text | Not Null | First Name |
| Last Name | Short Text | Not Null | Last Name |
| Address | Text | Not Null | Member’s Address |
| Bank Name | Text | Not Null | Member’sBank Name |

**Table name:** Transactions Table

**Description:** This table gives detail of Transaction of members.

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| ID | AutoNumber | Primary key | Members ID |
| CHQNO | Number | Not Null | CHQ Number |
| Debit | Number | Not Null | Debit Details |
| Credit | Number | Not Null | Credit Details |



**Table name:** Stocks Information Table

**Description:** This table gives detail about Issue Book Information

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **CONSTRAINT** | **DESCRIPTION** |
| Stocks No. | AutoNumber | Primary key | Stocks Number |
| Stocks Name | Text | Not Null | Stocks Name |
| Company Name | Short Text | Not Null | Company Name |
| AVG. stock price | Number | Not Null | Avg Stock Price |
| High Price | Number | Not Null | High Price |
| Low Price | Number | Not Null | Low Price |



* 1. **Data Dictionary**
* We fertilize all data about our software and normalization some data about the tables which are given below.

**Table name:** Admin Login

### **Description:** In this table admin can store Username and Password So that they can access all of that detail.

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **DESCRIPTION** |
| ID | AutoNumber | To store User ID |
| USERNAME | Short Text | To store user name |
| PASSWORD | Text | To store password |

**Table name:** Member’s Information Table

### **Description:** In this table admin can store Members First Name , Last name , Members Address and also a Bank name.

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **DESCRIPTION** |
| ID | AutoNumber | To store Members ID |
| First Name | Short Text | To store first name |
| Last Name | Short Text | To store last name |
| Address | Short Text | To store members address |
| Bank Name | Short Text | To store members bank name |

**Table name:**Transactions Information

### **Description:** In this table admin can store members transactions and also handle the debit , credit information and also save the information about members chqueq information.

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **DESCRIPTION** |
| ID | AutoNumber | To store Book ID |
| CHQNO | Number | To store chq number |
| Debit | Number | To store debit the transactions |
| Credit | Number | To store credit the transactions |

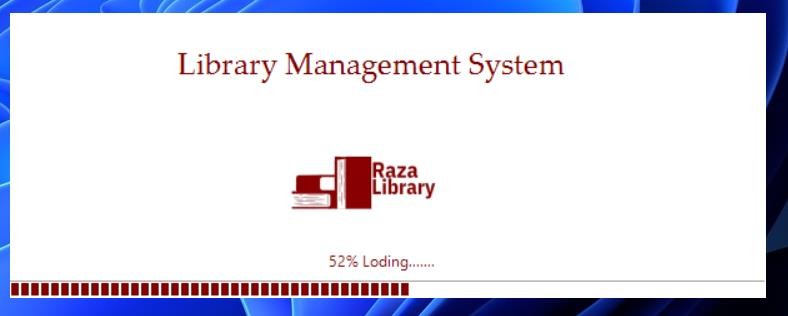


**Table name:** Stocks Information

### **Description:** In this table admin can store Companies name , stocks name , high price, low price , average price.

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **FIELD TYPE** | **DESCRIPTION** |
| ID | AutoNumber | To store stocks ID |
| Stock Name | Short Text | To store Stock Name |
| Company Name | Short Text | To store Company name |
| Average Price | Number | To store Average Stock Price |
| High Price | Number | To store High Price |
| Low Price | Number | To store Low Price |



**Splash Screen**

* 1. **User Interface & Coding**



**Description:-** When Admin open software so first loading above.

# Coding Of Splash Screen

PublicClassfirstpage

PrivateSubTimer1\_Tick**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesTimer1**.**Tick

Label4**.**Text **=** ProgressBar1**.**Value **&** "%"

ProgressBar1**.**Value **+=** 1

' It's load the progressbar

ProgressBar1**.**Increment**(**1**)**

Label4**.**Text **=** ProgressBar1**.**Value **&** "% Loading....."

IfProgressBar1**.**Value **=** 100Then

Me**.**Hide**()**

Diml **=** NewForm1

l**.**Show**()**

Timer1**.**Enabled **=** False

EndIf

EndSub

PrivateSubfirstpage\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

Timer1**.**Start**()**

EndSub

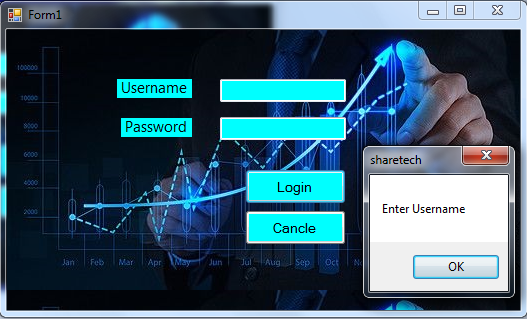
EndClass



**Admin Login**



**Description:-** This is an admin login page and this page is used to login .



**Description:-** If admin enter wrong username or password or don’t fill the details so show above massage.



# Coding Of Admin Secure Login

ImportsSystem**.**Data**.**OleDb

PublicClassForm1

DimcnAsNewOleDbConnection

PrivateSubForm1\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

cn**.**ConnectionString **=** "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"

EndSub

PrivateSubButton1\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton1**.**Click

IfTextBox1**.**Text **=** ""Then

MsgBox**(**"Enter Username"**)**

ElseIfTextBox2**.**Text **=** ""Then

MsgBox**(**"Enter Password"**)**

Else

cn**.**Open**()**

DimstrAsString

str **=** "select \* from login where username ='" **&** TextBox1**.**Text **&** "' and password ='" **&** TextBox2**.**Text **&** "' "

Dimcmd **=** NewOleDbCommand**(**str**,** cn**)**

Dimadp **=** NewOleDbDataAdapter**(**cmd**)**

Dimds **=** NewDataSet**()**

adp**.**Fill**(**ds**)**

DimaAsInteger

a **=** ds**.**Tables**(**0**).**Rows**.**Count

Ifa **=** 0Then

MsgBox**(**"Wrong username or password"**)**

Else

Dimobj **=** Newhome

obj**.**Show**()**

Me**.**Hide**()**

EndIf

cn**.**Close**()**

EndIf

EndSub

PrivateSubButton2\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton2**.**Click

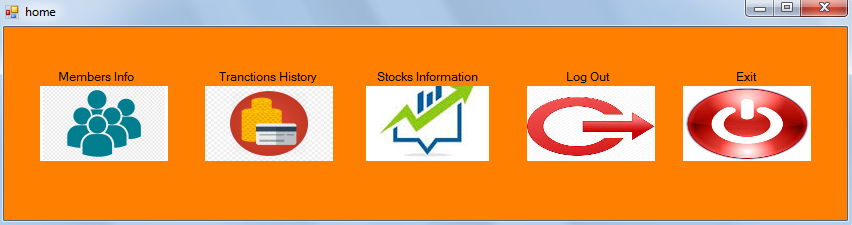
Me**.**Close**()**

EndSub

EndClass



**Home Page of Application**



**Description:-** Here Admin can do all of the stuff what they want to do.

# Coding Of Librarian page

PublicClasshome

PrivateSubPictureBox1\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesPictureBox1**.**Click

Dimobj1AsNewmembersinfo

obj1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubPictureBox2\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesPictureBox2**.**Click

Dimobj2AsNewTrans

obj2**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubPictureBox3\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesPictureBox3**.**Click

Dimobj3AsNewstocksinfo

obj3**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubPictureBox4\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesPictureBox4**.**Click

Dimobj4AsNewForm1

obj4**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubPictureBox5\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesPictureBox5**.**Click

Application**.**Exit**()**

EndSub

EndClass





**>> Members Information**



**Description:-** This is an Page where User Access the A/c of Clients.

**Coding Of Login Screen**

ImportsSystem**.**Data**.**OleDb

ImportsSystem**.**Data

PublicClassmembersinfo

DimcnAsNewOleDbConnection

DimcmdAsOleDbCommand

DimdrAsOleDbDataReader

DimadpAsNewOleDbDataAdapter

DimdsAsNewDataSet

DimconAsNew

OleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

PublicSubReset**()**

TextBox5**.**Text **=** "0"

TextBox1**.**Text **=** ""

TextBox2**.**Text **=** ""

TextBox3**.**Text **=** ""

TextBox4**.**Text **=** ""

EndSub





Subview**()**

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimadpAsNewOleDbDataAdapter**(**"select \* from membersinfo"**,** con**)**

DimdsAsNewDataSet

adp**.**Fill**(**ds**,** "membersinfo"**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**"membersinfo"**)**

con**.**Close**()**

EndSub

PublicSubdisplay**()**

ds**.**Clear**()**

adp **=** NewOleDbDataAdapter**(**"select \* from membersinfo"**,** cn**)**

adp**.**Fill**(**ds**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**0**)**

EndSub

PrivateSubmembersinfo\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

'TODO: This line of code loads data into the 'SharetechDataSet2.membersinfo' table. You can move, or remove it, as needed.Me**.**MembersinfoTableAdapter**.**Fill**(**Me**.**SharetechDataSet2**.**membersinfo**)**

cn**.**ConnectionString **=** "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"

cn**.**Open**()**

display**()**

cn**.**Close**()**

EndSub

PrivateSubLabel6\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesLabel6**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton9\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton9**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand**()**

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "insert into membersinfo values (" **&** TextBox5**.**Text **&** ",'" **&** TextBox1**.**Text **&** "','" **&** TextBox2**.**Text **&** "','" **&** TextBox3**.**Text **&** "','" **&** TextBox4**.**Text **&** "')"

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**" Record saved succesfully "**)**

view**()**

Reset**()**

EndSub



Subview**()**

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimadpAsNewOleDbDataAdapter**(**"select \* from membersinfo"**,** con**)**

DimdsAsNewDataSet

adp**.**Fill**(**ds**,** "membersinfo"**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**"membersinfo"**)**

con**.**Close**()**

EndSub

PublicSubdisplay**()**

ds**.**Clear**()**

adp **=** NewOleDbDataAdapter**(**"select \* from membersinfo"**,** cn**)**

adp**.**Fill**(**ds**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**0**)**

EndSub

PrivateSubmembersinfo\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

'TODO: This line of code loads data into the 'SharetechDataSet2.membersinfo' table. You can move, or remove it, as needed.Me**.**MembersinfoTableAdapter**.**Fill**(**Me**.**SharetechDataSet2**.**membersinfo**)**

cn**.**ConnectionString **=** "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"

cn**.**Open**()**

display**()**

cn**.**Close**()**

EndSub

PrivateSubLabel6\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesLabel6**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton9\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton9**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand**()**

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "insert into membersinfo values (" **&** TextBox5**.**Text **&** ",'" **&** TextBox1**.**Text **&** "','" **&** TextBox2**.**Text **&** "','" **&** TextBox3**.**Text **&** "','" **&** TextBox4**.**Text **&** "')"

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**" Record saved succesfully "**)**

view**()**

Reset**()**

EndSub



Subview**()**

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimadpAsNewOleDbDataAdapter**(**"select \* from membersinfo"**,** con**)**

DimdsAsNewDataSet

adp**.**Fill**(**ds**,** "membersinfo"**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**"membersinfo"**)**

con**.**Close**()**

EndSub

PublicSubdisplay**()**

ds**.**Clear**()**

adp **=** NewOleDbDataAdapter**(**"select \* from membersinfo"**,** cn**)**

adp**.**Fill**(**ds**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**0**)**

EndSub

PrivateSubmembersinfo\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

'TODO: This line of code loads data into the 'SharetechDataSet2.membersinfo' table. You can move, or remove it, as needed.Me**.**MembersinfoTableAdapter**.**Fill**(**Me**.**SharetechDataSet2**.**membersinfo**)**

cn**.**ConnectionString **=** "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"

cn**.**Open**()**

display**()**

cn**.**Close**()**

EndSub

PrivateSubLabel6\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesLabel6**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton9\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton9**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand**()**

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "insert into membersinfo values (" **&** TextBox5**.**Text **&** ",'" **&** TextBox1**.**Text **&** "','" **&** TextBox2**.**Text **&** "','" **&** TextBox3**.**Text **&** "','" **&** TextBox4**.**Text **&** "')"

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**" Record saved succesfully "**)**

view**()**

Reset**()**

EndSub



PrivateSubButton5\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton5**.**Click

view**()**

EndSub

PrivateSubButton4\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton4**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "delete from membersinfo where id = " **&** TextBox5**.**Text **&** ""

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**"Record deleted successfully"**)**

view**()**

EndSub

PrivateSubButton2\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton2**.**Click

Try

' Dim con As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01")

con**.**Open**()**

DimstrAsString

str **=** " update membersinfo set firstname= '" **&** TextBox1**.**Text **&** "', lastname = '" **&** TextBox2**.**Text **&** "',address = '" **&** TextBox3**.**Text **&** "', bankname = '" **&** TextBox4**.**Text **&** "' where id = " **&** TextBox5**.**Text **&** " "

cmd **=** NewOleDbCommand**(**str**,** cn**)**

cmd**.**ExecuteNonQuery**()**

MsgBox**(**"Record Updated Succesfully"**,** MsgBoxStyle**.**Information**,** "success"**)**

view**()**

Reset**()**

' con.Close()

'MsgBox(" Record Updated Successfully ")

'view()

CatchexAsException

MsgBox**(**"Missing details..."**)**

EndTry

con**.**Close**()**

EndSub

PrivateSubButton8\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton8**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton1\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton1**.**Click

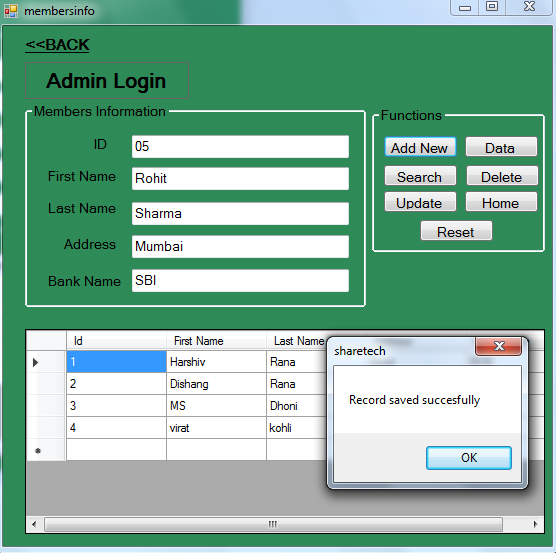
Reset**()**

EndSub

EndClass

****

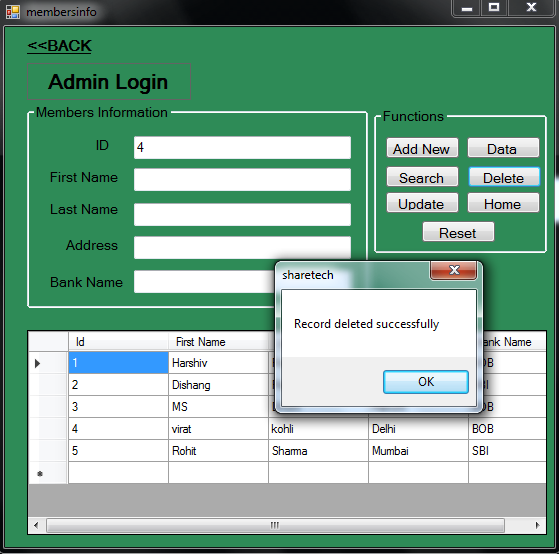
**Members Information**



>> If user do the insert any member details so when he hit the “ Add New ”

Button that time like this pop video is appered so that we can know that the record inserted successfully.

>> And also we can Delete any records just by enter the user id and hit the delete button so that this window will apper





**Transaction History :**

|  |
| --- |
|  |

**Description:-** This is Transaction History of Members who do any kind of transaction.

**Coding Of Student Details Form**

ImportsSystem**.**Data**.**OleDb

ImportsSystem**.**Data

PublicClassTrans

Subview**()**

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimadpAsNewOleDbDataAdapter**(**"select \* from trans"**,** con**)**

DimdsAsNewDataSet

adp**.**Fill**(**ds**,** "membersinfo"**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**"membersinfo"**)**

con**.**Close**()**

EndSub

PrivateSubLabel6\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesLabel6**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

Private Sub Students\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

cn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=G:\BCA\SEM 4\404-.NET\Project\LibraryMgmtVb\Librarymng.accdb"

cn.Open() DisplayStudent() cn.Close()

End Sub

Private Sub ssave\_Click(sender As Object, e As EventArgs) Handles ssave.Click

'Insert Query

Try

cn.Open()

Dim str As String

str = "insert into StdTable (Stdname,Stdep,StdSem,Stdphone) values('" & sname.Text & "','" & cmbsdep.Text & "','" & cmbssem.Text & "'," & sphone.Text & ")"

cmd = New OleDbCommand(str, cn) cmd.ExecuteNonQuery()

MsgBox("Record Save Successfully", MsgBoxStyle.Information,

"Success")

DisplayStudent()

****

con**.**Open**()**

DimadpAsNewOleDbDataAdapter**(**"select \* from trans"**,** con**)**

DimdsAsNewDataSet

adp**.**Fill**(**ds**,** "membersinfo"**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**"membersinfo"**)**

con**.**Close**()**

EndSub

PrivateSubLabel6\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesLabel6**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton2\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton2**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "delete from trans where id = " **&** TextBox5**.**Text **&** ""

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**"Record deleted successfully"**)**

view**()**

EndSub

PrivateSubButton8\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton8**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton5\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton5**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand**()**

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "insert into trans values (" **&** TextBox5**.**Text **&** ",'" **&** TextBox6**.**Text **&** "','" **&** TextBox2**.**Text **&** "','" **&** TextBox3**.**Text **&** "')"

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**" Record Inserted succesfully "**)**

view**()**

EndSub

PrivateSubButton11\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton11**.**Click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** " update trans set chqno = " **&** TextBox6**.**Text **&** ", debit = " **&** TextBox2**.**Text **&** ",credit = " **&** TextBox3**.**Text **&** " where id = " **&** TextBox5**.**Text **&** " "

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**" Record Updated Successfully "**)**

view**()**

EndSub

EndClass



End If End Sub

PrivateSubButton8\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton8**.**Click

Dimobj\_1AsNewhome

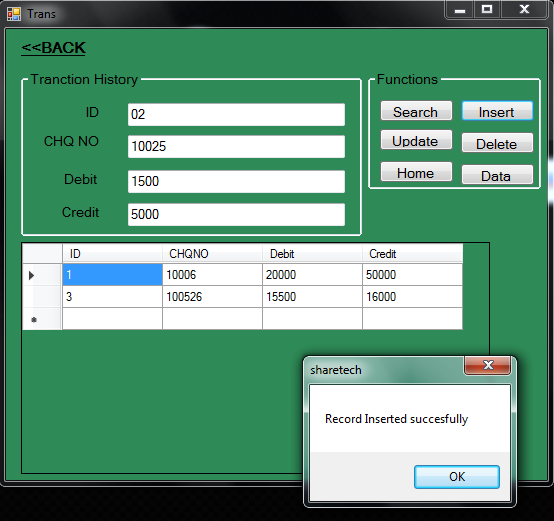
obj\_1**.**Show**()**

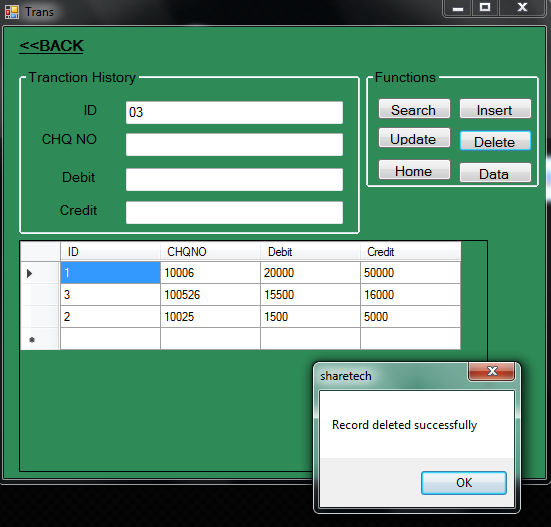
Me**.**Hide**()**

EndSub



>> This Window is the example of how this page is procced.







**Book Details Screen**

|  |
| --- |
|  |

**Description:-** This form is for store the information about different companies stocks.



**Coding Of Stocks Information Form :**

ImportsSystem**.**Data**.**OleDb

ImportsSystem**.**Data

PublicClassstocksinfo

PublicSubReset**()**

TextBox6**.**Text **=** ""

TextBox1**.**Text **=** ""

TextBox2**.**Text **=** ""

TextBox3**.**Text **=** ""

TextBox4**.**Text **=** ""

TextBox5**.**Text **=** ""

EndSub

Subview**()**

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimadpAsNewOleDbDataAdapter**(**"select \* from stocksinfo"**,** con**)**

DimdsAsNewDataSet

adp**.**Fill**(**ds**,** "stocksinfo"**)**

DataGridView1**.**DataSource **=** ds**.**Tables**(**"stocksinfo"**)**

con**.**Close**()**

EndSub

PrivateSubLabel7\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesLabel7**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubstocksinfo\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

'TODO: This line of code loads data into the 'SharetechDataSet2.stocksinfo' table. You can move, or remove it, as needed.

Me**.**StocksinfoTableAdapter**.**Fill**(**Me**.**SharetechDataSet2**.**stocksinfo**)**

EndSub

PrivateSubButton1\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton1**.**Click

‘insert record by using this code

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "insert into stocksinfo values (" **&** TextBox6**.**Text **&** ",'" **&** TextBox1**.**Text **&** "','" **&** TextBox2**.**Text **&** "'," **&** TextBox3**.**Text **&** "," **&** TextBox4**.**Text **&** "," **&** TextBox5**.**Text **&** ")"

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**" Record saved succesfully "**)**

view**()**

EndSub

PrivateSubButton4\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton4**.**Click

‘ code of delete button

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "delete from membersinfo where id = " **&** TextBox6**.**Text **&** ""

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**"Record deleted successfully"**)**

view**()**

EndSub

PrivateSubButton7\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton7**.**Click

Dimobj\_1AsNewhome

obj\_1**.**Show**()**

Me**.**Hide**()**

EndSub

PrivateSubButton5\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton5**.**Click

view**()**

EndSub

PrivateSubButton6\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton6**.**Click

Reset**()**

EndSub



PrivateSubButton2\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesButton2**.**Click

‘for Updated click

DimconAsNewOleDbConnection**(**"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\sharetech\sharetech.accdb;Jet OLEDB:Database Password=01"**)**

con**.**Open**()**

DimcmdAsNewOleDbCommand

cmd**.**Connection **=** con

cmd**.**CommandType **=** CommandType**.**Text

cmd**.**CommandText **=** "update membersinfo set (stockname.companyname,aveargeprice,highprice,lowprice) values where id = " **&** TextBox6**.**Text **&** ""

cmd**.**ExecuteNonQuery**()**

con**.**Close**()**

MsgBox**(**"Record Updated successfully"**)**

view**()**

EndSub

EndSub



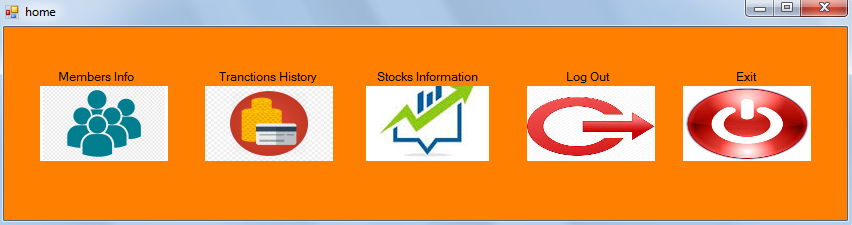


**>> Admin can move in the this software with the back button on top left**

**So that admin can easily move in that.**

|  |
| --- |
|  |





>> If Admin click on Logout picture then admin get logout and goes to directly

A Login page of our software.

>> And If Admin click of exit picture then application goes to turn off.



* 1. **>> Unit Testing <<**
* A unit is the smallest testable part of software. It usually has one or a few inputs and usually a single output.
* In procedural programming a unit may be an individual program, function, procedure, etc.
* In object-oriented programming, the smallest unit is a method, which may belong to a base/super class, abstract class or derived/child class.
* Some treat a module of an application as a unit. This is to be discouraged as there will probably be many individual units within that module.
* Unit testing is the first level of testing and is performed prior to **Integration Testing**.
* Unit Testing is normally performed by software developers themselves or their peers. In rare cases it may also be performed by independent software testers.



**Test Cases:-**

|  |  |
| --- | --- |
| **Name** | **User Login On Client Side** |
| Description | This test case will check weather username and password is valid or not. If not then it will not allow the user will login. |
| Input Data | * Valid Username and Password which is already define. * Define Blank Username and valid Password. * Valid Username and Blank Password. * Valid Username but Wrong Password. * Wrong Username and Valid Password. * Wrong Username and Password. |
| Output | * System allows Login.    Username Must be required   Password must be required   System prompt error that user is not valid.   System prompt error that Enter Username and password. |
| Actual Output | System allows Login |

|  |  |
| --- | --- |
| **Name** | **Adding Members information** |
| Description | This test case will check entered data by given validation categorized with particular data type which is right or not. |
| Input Data | * Valid all field record with particular data type. * Invalid all field record. * Black Librarian Name all remaining details. * Add all filed in Librarian details. |
| Output | * System Allow to insert, update, delete data. |
| Actual Output | * System Allow to insert, update, delete data. |

|  |  |
| --- | --- |
| **Name** | **Adding Transactions Data** |
| Description | This test case will check entered data by given validation categorized with particular data type which is right or not. |
| Input Data | * Valid all field record with particular data type. * Invalid all field record. * Black student Name all remaining details. * Add all filed in student details. |
| Output | * System Allow to insert, update, delete data. |
| Actual Output | * System Allow to insert, update, delete data. |

|  |  |
| --- | --- |
| **Name** | **Manage Stock holders A/c** |
| Description | This test case will check entered data by given validation categorized with particular data type which is right or not. |
| Input Data | * Valid all field record with particular data type. * Invalid all field record. * Black Book Name all remaining details. * Add all filed in book details. |



|  |  |
| --- | --- |
| Output | * System Allow to insert, update, delete data. |
| Actual Output | * System Allow to insert, update, delete data. |

|  |  |
| --- | --- |
| **Name** | **Adding Share information Data** |
| Description | This test case will check entered data by given validation categorized with particular data type which is right or not. |
| Input Data | * Valid all field record with particular data type. * Invalid all field record. * Black Issue all remaining details. * Add all filed in Issue details. |
| Output | * System Allow to insert, update, delete data. |
| Actual Output | * System Allow to insert, update, delete data. |

|  |  |
| --- | --- |
| **Name** | **Adding different companies share prices** |
| Description | This test case will check entered data by given validation categorized with particular data type which is right or not. |
| Input Data | * Valid all field record with particular data type. * Invalid all field record. * Black Return all remaining details. * Add all filed in Return details. * Calculate Fine |
| Output | * System Allow to insert, update, delete data. |
| Actual Output | * System Allow to insert, update, delete data. |



**Admin:-**

* 1. **Intergration Testing**

|  |  |  |
| --- | --- | --- |
| **Link** | **Expected Page** | **Result of Page** |
| **Login** | Login Page of Admin | Login Page of Admin |
| **Main From** | Main page | Main page |
| **Home Page** | Show the various option of software | Show the various option of software |
| **Members information** | Save, Edit, Delete Student and View members Data | Save, Edit, Delete Student and View members Data |
| **Transactions History** | Save, Edit, Delete members and View Transactions of clients | Save, Edit, Delete members and View Transactions of clients |
| **Stock Information** | Insert ,search,delete update the various companies stocks information . | Insert ,search,delete update the various companies stocks information . |



* 1. **System Testing**
* System Testing is a type of software testing that is performed on a complete integrated system to evaluate the compliance of the system with the corresponding requirements.
* System Testing is carried out on the whole system in the context of either system requirement specifications or functional requirement specifications or in the context of both.
* System testing tests the design and behavior of the system and also the expectations of the customer
* **Functional Testing**
* Functional Testing is a type of software testing whereby the system is tested against the functional requirements/specifications.
* Functions (or features) are tested by feeding them input and examining the output. Functional testing ensures that the requirements are properly satisfied by the application. This type of testing is not concerned with how processing occurs, but rather, with the results of processing.
* During functional testing, **Black Box Testing** technique is used in which the internal logic of the system being tested is not known to the tester.
* Admin Registration Process has been properly working and all fields are validated through various validation checks.
* Login and Password validation process has been co-operated properly.
* Username module has been done properly and accurately.
* Manage all from perfectly.
* Report Generate of every details successful.
* Admin side handling and dynamic and real-time data generation module is implemented successfully.



**Conclusion**

* This Software is made for Manage a stocks A/c and give a kind information about that.
* In this software admin handle the whole software .
* Admin can manage Members data easily.
* Admin can manage Stocks data easily.
* Admin can manage Transactions data easily.
* Admin can easily interact with this software .
* When anybody act as admin that time he/she given to their .
* This Software check successfully.