

**A
PROJECT REPORT
ON**

“Data Management For The Pharmacy”

**Submitted to Gondwana University, Gadchiroli as a partial
Fulfilment of the Requirement for BCA – III (Semester VI)
Examination**

Submitted by

Mr. Aryaman P. Khadilkar (2020033700018768)

Mr. Yash S. Duratkar (2020033700018745)

Mr. Anurag V. Ujgaokar (2020033700018831)

Under the Guidance of

Dr. S. B. Kishor



Sardar Patel Mahavidyalaya, Chandrapur

Department of Computer Studies & Research

Session 2022-23

Sardar Patel Mahavidyalaya, Chandrapur

Department of Computer Studies & Research

CERTIFICATE



This is to certify that **Mr. Aryaman P. Khadilkar, Mr. Yash S. Duratkar, Mr. Anurag V. Ujgaokar** are the Bonafied Students of BCA-III (Sem VI) of this college for the Session 2022-2023. They have completed their Project work entitled "**Data Management For The Pharmacy**" approved by the Department under the condition that it is not copied from any source.

This Project report is being submitted to the Gondwana University, Gadchiroli in the fulfilment of the requirement for the award of BCA-III Final Year

Date:

Place: Chandrapur

Dr. S.B. Kishor

(Project Guide)

Internal Examiner

External Examiner

DECLARATION



We, Undersigned Students of Department of Computer Studies & Research Hereby Declare That the Project Entitled " Data Management For The Pharmacy " completed under the guidance of Dr. S.B. Kishor. This Project Work is submitted for the Partial Fullfillment of BCA-III Final Year to the Departement of Computer Studies & Research and Gondwana University, Gadhchiroli.

This Report Has Not Been Submitted for Any Degree or Diploma For Any University Previously.

Date:

Place: Chandrapur

Submitted by

Mr. Aryaman P. Khadilkar

Mr. Yash S. Duratkar

Mr. Anurag V. Ujgaokar

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This acknowledges will remain incomplete without rendering impartial gratitude to all those helped us directly or indirectly in making this success.

Last but not least, we would like to thank our parents who sacrificed there today for our tomorrow.

Mr. Aryaman P. Khadilkar

Mr. Yash S. Duratkar

Mr. Anurag V. Ujgaokar

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Introduction

Introduction to Project

Our project is "Data Management for the Pharmacy". We are doing work of the pharmacy by the use of computer system.

This software is fully automated. This software will do the job for purchase and sale of pharmacy medicines of various companies by using computerized system. We can give all detail of particular medicine, which can sale & purchase the product in pharmacy shop and also give information about the stock of shop and what do you order from purchaser. We can view the sale report and purchase report properly for our convenience.



Project Description



Project Description

All the details of medicines of various company transaction are stored in computerize system. Like Payment receipt, sale & purchase order, this record are maintain in computer system.

We will store the details of the supplier of medicines so that we can give order to them. When the stock arrives after giving the order it can be stored in the computer system for further processing.

When any medicine is sold then stock will be updated automatically. There is no need to make the bill manually by entering the details of the medicines like batch no., name, expiry date, manufacturing date etc.

In this project, work is done in systematic way and give customer satisfaction who come in shop, also give some facility like special discount, some percentage also deduct from the total amount. By using this Project, we can maintain yearly record of our pharmacy Shop.

We can view the income of the pharmacy on daily, weekly or monthly basis.

Data Management for the Pharmacy Comprises of different Forms, as follows

- **Splash Screen Form**

This form is used for displaying Project name and developer names in the form of Splash Screen.

- **Login Form**

This form utilizes the credentials of a user, in order to authenticate their access to system

- **Menu Form**

This Form is the **Main** Form containing Menus and Sub-Menus. There are main menus and their sub menus are listed as follows

MENU	SUB-MENU
Files	Staff Details, New Staff, Search Drug, Log Off, Exit
Sales	Make Sale, View Sale
Stocks	Add New, Stock Balance, Edit Stocks, All Expiry Medicines

- **Files**

The admin can access staff details using Sub Menu Staff Details also the admin can appoint new staff using sub-menu New Staff.

The admin and user can search drug by name and signoff and exit in the same menu

- **Sales**

In Sales Menu the admin and staff can sale the medicine using Sub-Menu Make Sale.

Only Admin can view the details of sales using Sub Menu View Sale.

- **Stocks**

Only Admin after Authentication can add new medicine Stock in the existing database using Add New Sub menu.

User and admin can view Records related to medicine using Sub-Menus Stock Balance, Edit Stock and All Expiry Medicines



Hardware And Software Requirement



Hardware & Software Requirement

Hardware Requirements:

- 350 Mhz processor
- Max 40 GB HDD
- 1 GB RAM
- Key Board
- Mouse

Software Requirements:

- MICROSOFT WINDOWS XP
- VISUAL BASIC 6.0
- MICROSOFT ACCESS - 2010



Visual Basic as a Developing Tool



Visual Basic as a Developing Tools

What is Visual Basic?

Microsoft Visual Basic, the faster and easiest way to create application for Microsoft Windows. Visual Basic provides us with a complete set of tools to simplify rapid application development.

So, what is Visual Basic? The "Visual" part refers to the method used to create the graphical user interface (GUI). Rather than writing numerous lines of codes to describe the appearance and location of interface elements, we simply add pre-built object into place on screen. If we've ever used a drawing program such as paint, we already have most of the skills necessary to create an effective user interface.

The "Basic" part refers to the BASIC (Beginners All Purpose Symbolic Instruction Code) language, a language used by more programmers than any other language in the history of computing. Visual Basic has evolved from the original BASIC language and now contains several thousand statements, functions and keywords, as many of which relate directly to the Windows GUI. Beginners can create useful application by learning just a few of the keywords, yet the power of the language allows professionals to accomplish using any other Windows programming language.

The Visual Basic programming language is not unique to Visual basic. The Visual basic programming system, Application Edition included in Microsoft Excel Microsoft Access and much other window application use the same language. The Visual basic scripting Edition (VBScript) is a widely

used scripting language and a subset of the Visual Basic language. The investment we make in the learning Visual Basic will carry over to other areas.

Whether our goal is to create a small utility for our-self or our work group, a large enterprise-wide system, or even distributed application spanning the globe via the Internet, Visual Basic has the tools we need.

Data access features allows us to create database, front-end application, scalable sever-side components for most popular database formats, including Microsoft ACCESS, sever and other enterprise-level database.

ActiveX technology allows us to use the functionally provided by other application, such as Microsoft Word Processor, Microsoft Excel Spreadsheet and other Window application. We can even automate application and objects create using the Professional or Enterprise editions of Visual Basic.

Inner capabilities make it easy to provide access to documents and applications across the Internet or Intranet from within our application, or to create Internet server applications.

Our finished application is a true .exe file that uses a Visual Basic Virtual Machine that can freely distribute.

Visual Basic is Small, Simple and Smart

The following sections describe the different types of files and objects that we can include in a Visual Basic project.

FORM Modules

Form Modules (.frm file name extension) can contain textual description of the forms and its control, including their property setting.

Class Modules

Class Modules (.cls file name extension) are similar to form module, expect that they have no visible user interface. We can use class module to create our own objects, including code for methods and properties.

VB DATABASE CONNECTIVITY

What is ODBC (Open Database connectivity)?

A standard protocol that permits applications to connect to a variety of external database servers or files. ODBC drivers used by the ODBC driver managers permits access to ACCESS server and several other data sources, including text files and Microsoft Excel spreadsheets.

A standard protocol that permits applications to connect to the Variety of external database servers or files. ODBC drivers used by the Microsoft Jet Database engine permit access to Microsoft ACCESS server Other external databases.

The ODBC Application programming interface (API) may also be used ODBC drivers and the database they connect to without using the Microsoft Jet Database engine.

Open Database Connectivity. A specification for an Application Programming Interface (API) that define a standard set of routine with which an application can access data in a data source. Application can use ODBC by referring API functions directly, or by using Data Access objects (DAO) or Remote Data Objects (RDO).

ODBC Data Source

A term used to refer to a database or a database server used as a source of data. ODBC data sources are referred to by their Data Source Name (DSN). data Source can be created by using Windows Control Panel or the Register Database method.

Microsoft Jet Connect ODBC Data Source

An ODBC Data Source that is accessed by using Data Access Objects (DAO) and the Microsoft Jet Database engine.

ODBC Driver

A dynamic link library (DLL) used to connect a specific open database connectivity data source with another (client) application.

ODBC Driver Manager

An application that manages connections between ODBC-enabled data sources and the drivers used to access them.

Data Object Model

An object model defines a hierarchy of objects that gives structure to an object-based program. By defining the relationship between objects that are part of the program, an object model organized the object in a way that makes programming easier.

The public object model of a component is especially important because the entire programmer who employs the component as part of their application uses it.

DAO

DAO (Data Access Objects) was the objects-oriented interface that exposed the Microsoft Jet Database engine (used by Microsoft Access) and allows Visual Basic developers to directly connect to Access tables as well as other database-through ODBC. DAO is suited best for either for single-system application or for small, local development.

RDO

RDO (Remote Data Objects) is an object-oriented data access interface that exposes virtually all of ODBC's low-level power and flexibility. RDO is limited, though in that it doesn't access Jet or ISAM database very well, and that it can access relational database only through existing ODBC drivers. However, RDO has proven to be the interface of choice for a large number of ACCESS servers Oracle, and other large relational database developers. RDO provides the object, properties, and methods needed to access the more complex aspects of stored procedures and complex result sets.

ADO

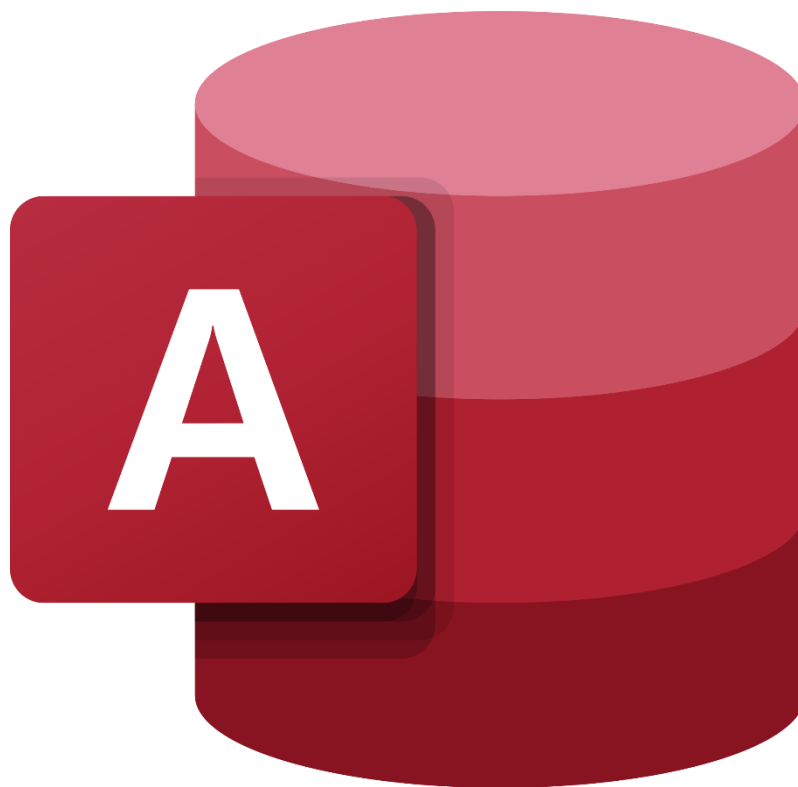
ADO is the successor to DAO/RDO. Functionally ADO 2.0 is most similar to RDO, and there's generally a similar mapping between the two models. ADO "flattens" the object model used by DAO and RDO, meaning that it contains fewer objects and properties, methods (and arguments), and events. For example, ADO has no equivalents to the RDO engine and RDO environment objects, which exposed the ODBC driver manager and interfaces. Nor can we currently create ODBC data sources from ADO, despite the fact that our interface might be thought of as the ODBC OLE DB service provider.

FEATURES OF VISUAL BASIC:

VISUAL BASIC an excellent platform for rapid application developed.

Using Visual Basic, you can quickly create solution for most business needs, from simple to complex.

1. It provides quick editing, testing, debugging.
2. It is based on BASIC programming language.
3. It is highly productive development tool.
4. It is a first programming, which makes use of GUI
5. It is Event Driven programming.
6. IT is object-oriented programming.
7. It is widely used as Front-end tool.
8. A common programming language for most of the Microsoft Office application based on VISUAL BASIC.
9. In VB both Compiler & Interpreter are used.
10. It provides OLE (Object Linking & Embedding) programming supports.
11. It supports multiple platforms.



Microsoft Access Database Tool



Microsoft Access Database Tool

Microsoft Access includes two tools that can help us to refine our database design. The Table Analyzer Wizard can analyse the design of one table at a time, can purpose new, and can restructure a table into new table makes sense.

The performance Analyzer can either database or make recommendation and suggestions for improving it. The wizard can also implement these recommendation and suggestions.

About Designing Database

Before we use Microsoft Access to actually build the table, and other object that will make up our database, it is important to take time to design our database. A good database design is the keystone to creating a database that does what we want it to do effectively, accurately and efficiently.

Step in designing a Database

Following basic steps are use in designing a database:

1. Determine the purpose of our database.
2. Determine the table we need in the database.
3. Determine the field we need in the table.
4. Identify field with unique values.
5. Determine the relationship between tables.
6. Refine our design.
7. Add data and create other database objects.

The heart of database is the information it holds. But there are other important elements usually referred to as objects, in an access database there are various kinds of objects we'll be working with in access.

DATABASE & RDBMS CONCEPTS

DBMS

A database is a collection of related data. Data normally has some inherent meaning database can be collection of population, statistics, compilation of sales figure University keeping track of student performance etc.

A database management system (DBMS) is general-purpose software that offers the facilities to define construct and manipulates a database to provide information from the analysis of the data. Defining the database means to describe the various types of data that constitute. Constructing a database is a process of physically storing the data into the medium. Manipulating the database, it is a process of extracting useful information or updating it to reflect changes. Report generation also forms an important activity of a DBMS, which it is designed to clear it. Any standard database has the properties listed below.

DATA Integrity

Data integrity is more important in a database system than in a private file environment in a database system the in a private file environment, because the database is shared. So, if redundancy is removed, however the database may still contain in correct data. Centralize control of database helps in avoiding this situation.

DBA is permitted to define validation procedure to be carried out whenever any update operation is attempted.

Data Independence

Data independence is the immunity of application to change in storage structure and access strategy, which implies that the application concerned don't depend on any one particular storage structure and access strategy. RDBMS

Relational database is defined as collection of related tables. Foundation of related database is relational algebra. The constraints here considered are mathematical relation. Data is always represented in a tabular form, which is referred to, as relation or tables.

The concept of 2D formats for representation of rows and columns in a tabular form is called as relations or tables.

Properties of Relations or Tables

1. There are no duplicate rows.
2. There are no duplicate columns names.
3. Rows order is insignificant.
4. Column order is insignificant.

DIFFERENCE BETWEEN FORMS AND REPORTS

Reports are similar to forms and in fact the report design window shares many of the features to the forms design window. There is some important difference between these two of objects.

One difference is that forms are primarily used to edit or view data on your computer's screen. When we move through a form, we usually navigate from one record to another, perhaps displaying related forms on the way as we do so. Reports can be previewed on the screen as well but their main purpose is to present information nicely on the printed page.

Another difference between forms and reports is that reports have a special feature to help us summarize data i.e., reports can group sales records by sales person and months and give us a summary of the sales for each person by months.

It's not possible to view this kind of summary information using a form unless we go through some hoops with queries first.

ACCESS FIELDS TYPES:

Access has many fields' types. They are listed here with some notes on how each can be used:

AutoNumber: Access automatically assigns number fields when a Record is added to a table.

Currency: This type of field is for money values. **Date/time:** Date, time, or date/time combinations go in date/time fields.

Hyperlink: This field holds hyperlink addresses that jump to web sites, database objects, or other files.

Lookup wizard: Lookup fields start a wizard that places lookup

Constraints on table or a query.

Memo: This type of fields holds an unlimited amount of text.

Number: Number formatted in various ways can go in a number field. OLE object: Object like pictures & word documenting go in OLE.

Text: This type of fields holds text, letters, numbers & other characters.

Yes/No: Value of true or false is stored in this kind of Field, the value can be shown as yes / No, true/false.

KEY-FIELDS:

A key consists of one or more fields whose values uniquely identify each record in a table. Key fields provide some special function in a database.

- They are often used to link tables. They also determine the nature of a relationship.

Access automatically builds a primary index using any key field in the table. The index makes it easier for access to find key value and speeds up any searches or other operations that look for values in key fields.



Project Coding



Project Coding

Splash Form

```
Private Sub Form_Load()
```

```
End Sub
```

```
Private Sub Timer1_Timer()
```

```
    Unload Me
```

```
    frmLogin.Show
```

```
End Sub
```

Login Form

Dim a As Integer

Private Sub cmdCancel_Click()

End

End Sub

Private Sub cmdOK_Click()

If a < 2 Then

sql = "Select Username, password from login where Username='" &
txtUserName.Text & "' and Password='" & txtPassword.Text & "'"

Rs.Open sql, Cn

If Not Rs.EOF Then

s = txtUserName.Text

mainform.Caption = " Staff " & UCase(s) & " Is Logged In "

Unload Me

mainform.Show

Else

a = a + 1

MsgBox "Invalid username or password", vbInformation, "Error"

End If

Else

MsgBox " Your limit is over", vbCritical, " Thank You"

End

End If

Rs.Close

End Sub

Private Sub Form_Load()

End Sub

Menu Form (MDI)

```
Private Sub MDIForm_Unload(Cancel As Integer)
```

```
    End
```

```
End Sub
```

```
Private Sub mnuadd_Click()
```

```
    frmAdminnew.Show
```

```
End Sub
```

```
Private Sub mnuallexp_Click()
```

```
    rptexpiry.Show
```

```
End Sub
```

```
Private Sub mnuedt_Click()
```

```
    frmEdit.Show
```

```
End sub
```

```
Private Sub mnuexit_Click()
```

```
    End
```

```
End Sub
```

```
Private Sub mnulog_Click()
```

```
    Me.Hide
```

```
    frmLogin.Show
```

```
End Sub
```

```
Private Sub mnumk_Click()
```

```
    frmSale.Show
```

```
End Sub
```

```
Private Sub mnunew_Click()
```

```
    FrmAdminPass.Show
```

```
End Sub
```

```
Private Sub mnuser_Click()
```

```
    frmdrugsearch.Show
End Sub

Private Sub mnustaffd_Click()
    FrmAdminPass.Show
    FrmAdminPass.cmdstaff.Visible = True
    FrmAdminPass.cmdOK.Visible = False
End Sub

Private Sub mnustkbal_Click()
    ' rptstockbal.Show
    frmstock.Show
End Sub

Private Sub mnuview_Click()
    FrmAdminvall.Show
End Sub
```


Connection Module

Public Cn As New ADODB.Connection

Public Rs As New ADODB.Recordset

Public s As String

Public Sub Main()

 Cn.Provider = "Microsoft.Jet.OLEDB.4.0;"

 Cn.Open App.Path & "\Pharmacy.mdb"

 frmSplash.Show

End Sub

Function CHECKTEXT(K As Integer)

 ' For back Space ascii value = 8, space bar =32

 Select Case K

 Case 65 To 90, 97 To 122, 8, 32

 K = K

 Case Else

 K = 0

 End Select

 CHECKTEXT = K

End Function

Function CHECKNUM(K As Integer)

 Select Case K

 Case 48 To 57, 8

 K = K

 Case Else

 K = 0

 End Select

CHECKNUM = K

End Function

Admin Edit Form

```
Private Sub cmdCancel_Click()
```

```
Unload Me
```

```
End Sub
```

```
Private Sub cmdOK_Click()
```

```
If Rs.State = adStateOpen Then
```

```
Rs.Close
```

```
End If
```

```
sql = "Select Username, password from Admin"
```

```
Rs.Open sql, Cn, 1, 3
```

```
If Me.txtUserName = Rs!UserName And Me.txtPassword = Rs!Password  
Then
```

```
    Unload Me
```

```
    frmEdit.Show
```

```
Else
```

```
    MsgBox "Invalid username or password", vbInformation, "Error"
```

```
End If
```

```
Rs.Close
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
Left = (Screen.Width - Width) / 2
```

```
Top = (Screen.Height - Height) / 2.4
```

```
End Sub
```

Admin New Form

Dim a As Integer

Private Sub cmdCancel_Click()

Unload Me

End Sub

Private Sub cmdOK_Click()

If Rs.State = adStateOpen Then

Rs.Close

End If

If a < 2 Then

sql = "Select Username, password from Admin"

Rs.Open sql, Cn, 1, 3

If Me.txtUserName = Rs!UserName And Me.txtPassword = Rs!Password
Then

 Unload Me

 frmMaster.Show

Else

 a = a + 1

 MsgBox "Invalid username or password", vbInformation, "Error"

End If

Else

 MsgBox " Your limit is over", vbCritical, " Thank You"

 End

End If

Rs.Close

End Sub

Private Sub Form_Load()

Left = (Screen.Width - Width) / 2

Top = (Screen.Height - Height) / 2.4

End Sub

Private Sub txtUserName_KeyPress(KeyAscii As Integer)

 Call CHECKTEXT(KeyAscii)

End Sub

Admin Pass Form

Dim a As Integer

Private Sub cmdCancel_Click()

 Unload Me

End Sub

Private Sub cmdOK_Click()

 If Rs.State = adStateOpen Then

 Rs.Close

 End If

 If a < 2 Then

 Rs.Open "Select Username, password from Admin", Cn, 1, 3

 If txtUserName = Rs!UserName And txtPassword = Rs!Password
Then

 Unload Me

 frmnewstaff.Show

 Else

 a = a + 1

 MsgBox "Invalid username or password", vbInformation, "Error"

 End If

Else

 MsgBox "Your limit is over", vbCritical, "ERROR"

 End

End If

End Sub

Private Sub cmdstaff_Click()

 If Rs.State = adStateOpen Then

 Rs.Close

```
End If
Rs.Open "Select Username, password from Admin", Cn, 1, 3
    If txtUserName = Rs!UserName And txtPassword = Rs!Password
Then
        Unload Me
        frmstaffdetails.Show
    Else
        MsgBox "Invalid username or password", vbInformation, "Error"
    End If
End Sub

Private Sub Form_Load()
    Left = (Screen.Width - Width) / 2
    Top = (Screen.Height - Height) / 2.4

End Sub

Private Sub txtUserName_KeyPress(KeyAscii As Integer)
    Call CHECKTEXT(KeyAscii)
End Sub
```

Admin Val Form

```
Private Sub cmdCancel_Click()
Unload Me
End Sub

Private Sub cmdOK_Click()
If Rs.State = adStateOpen Then
    Rs.Close
End If

Rs.Open "Select Username, password from Admin", Cn, 1, 3
If Me.txtUserName = Rs!UserName And Me.txtPassword =
Rs!Password Then
    Unload Me
    RptAllsales.Show
Else
    MsgBox "Invalid username or password", vbInformation, "Error"
End If
End Sub

Private Sub Form_Load()
Left = (Screen.Width - Width) / 2
Top = (Screen.Height - Height) / 2.4
End Sub

Private Sub Label1_Click()
End Sub

Private Sub txtUserName_KeyPress(KeyAscii As Integer)
    Call CHECKTEXT(KeyAscii)
End Sub
```


Drug Search Form

Private Sub cmdext_Click()

 Unload Me

End Sub

Private Sub cmdnser_Click()

 If Text1.Text = "" Then

 MsgBox " First fill the books initials"

 Else

 Frame4.Visible = True

 Call gridhead

 Call showacct

 End If

End Sub

Public Sub showacct()

 sql = "select * from Master where DrugName LIKE '" &
 txtdrug.Text & "%"

 Set Rs = New ADODB.Recordset

 Rs.Open sql, Cn

 If Rs.EOF = True Then

 MsgBox " No drugs are there ", vbCritical

 Else

 With grid

 .Rows = 2

 .Row = 1

 Do While Not Rs.EOF

 .TextMatrix(.Row, 0) = .Row

 .TextMatrix(.Row, 1) = Rs!DrugName

 .TextMatrix(.Row, 2) = Rs!Company

```
.TextMatrix(.Row, 3) = Rs!Drugid  
.TextMatrix(.Row, 4) = Rs!MfdDate  
.TextMatrix(.Row, 5) = Rs!ExpDate  
.TextMatrix(.Row, 6) = Rs!Qty  
.TextMatrix(.Row, 7) = Rs!Shelf  
.TextMatrix(.Row, 8) = Rs!Price  
Rs.MoveNext  
.Rows = .Rows + 1  
.Row = .Row + 1
```

Loop

```
.Rows = .Rows - 1
```

End With

End If

Rs.Close

End Sub

Public Sub gridhead()

With grid

```
.TextMatrix(0, 0) = "Sr.No."  
.TextMatrix(0, 1) = "Drug Name"  
.TextMatrix(0, 2) = "Company Name "  
.TextMatrix(0, 3) = "Drug ID"  
.TextMatrix(0, 4) = "Production Date"  
.TextMatrix(0, 5) = "Expiry Date "  
.TextMatrix(0, 6) = "Quantity "  
.TextMatrix(0, 7) = "Shelf"  
.TextMatrix(0, 8) = "Unit Price "  
.ColWidth(0) = 700
```

.ColWidth(1) = 2300

.ColWidth(2) = 2300

.ColWidth(3) = 1000

.ColWidth(4) = 1500

.ColWidth(5) = 1500

.ColWidth(6) = 800

.ColWidth(7) = 800

.ColWidth(8) = 800

.ColAlignment(0) = 4

.ColAlignment(1) = 4

.ColAlignment(2) = 4

.ColAlignment(3) = 4

.ColAlignment(4) = 4

.ColAlignment(5) = 4

.ColAlignment(6) = 4

.ColAlignment(7) = 4

.ColAlignment(8) = 4

End With

End Sub

Private sub cmdexit_Click()

 Unload Me

End Sub

Private Sub cmdsearch_Click()

 Call gridhead

 Call showacct

End Sub

Private Sub Form_Load()

Left = (Screen.Width - Width) / 2

Top = (Screen.Height - Height) / 2

End Sub

Private Sub txtdrug_KeyPress(KeyAscii As Integer)

 If KeyAscii = 13 Then

 Call cmdsearch_Click

 End If

End Sub

Drug Edit Form

```
Private Sub cmbpid_Click()
sql = "Select * from Master where DrugName = '" & cmbpid.Text & "'"
Set Rs = New ADODB.Recordset
Rs.Open sql, Cn, 1, 3
If Not Rs.EOF Then
    txtshelf.Text = Rs.Fields("Shelf")
    txtid.Text = Rs.Fields("DrugID")
    Text1.Text = Rs.Fields("Price")
    Text2.Text = Rs.Fields("Qty")
    DTP2.Value = Rs.Fields("ExpDate")
    DTP1.Value = Rs.Fields("MfdDate")
End If
Rs.Close
If Val(Text2.Text) > 10 Then
    MsgBox " First Sell the remaining Stock then Update"
    cmdsave.Enabled = False
Else
    cmdsave.Enabled = True
End If

End Sub

Private Sub cmbpid_GotFocus()
sql = "Select DrugName from Master"
Set Rs = New ADODB.Recordset
Rs.Open sql, Cn, 1, 3
While Not Rs.EOF
    cmbpid.AddItem Rs!DrugName
Rs.MoveNext
Wend
Rs.Close
End Sub

Private Sub cmddelete_Click()
sql = "Select * from Expiry"
Set Rs = New ADODB.Recordset
```

Rs.Open sql, Cn, 1, 3

With Rs

.AddNew
.Fields("DrugName") = cmbpid.Text
.Fields("MfdDate") = DTP1.Value
.Fields("ExpDate") = DTP2.Value
.Fields("Shelf") = txtshelf.Text
.Fields("Qty") = Text2.Text
.Fields("Price") = Text1.Text
.Fields("Drugid") = txtid.Text
.Update
.Close

End With

sql = "Delete * from Master where DrugName = '" & cmbpid.Text & "'"

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn, 1, 3

cmbpid.Clear

txtshelf = ""

txtupdate = ""

txtexpiry = ""

Text1 = ""

Text2 = ""

txtid = ""

MsgBox "Item Deleted", vbInformation, "Deletion"

End Sub

Private Sub cmdexit_Click()

Unload Me

End Sub

Private Sub cmdsave_Click()

sql = "Select * from Master where Drugid = '" & txtid.Text & "'"

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn, 1, 3

If Not Rs.EOF Then

With Rs

```

.Fields("DrugName") = cmbpid.Text
.Fields("Shelf") = txtshelf.Text
.Fields("MfdDate") = DTP1.Value
.Fields("ExpDate") = DTP2.Value
.Fields("Qty") = .Fields("Qty") + Val(Text2.Text)
.Update
.Close
End With
MsgBox " Item " & cmbpid.Text & " is Updated "
cmbpid.Clear
txtshelf = ""
txtupdate = ""
txtexpiry = ""
Text1 = ""
Text2 = ""
txtid = ""

End If

End Sub

Private Sub Form_Load()
Left = (Screen.Width - Width) / 2
Top = (Screen.Height - Height) / 2.4
End Sub
Private Sub Text1_KeyPress(KeyAscii As Integer)
Call CHECKNUM(KeyAscii)
End Sub

Private Sub Text2_KeyPress(KeyAscii As Integer)
Call CHECKNUM(KeyAscii)
End Sub

```

Master Form

Private Sub cmdexit_Click()

Unload Me

End Sub

Private Sub cmdsave_Click()

a = DateDiff("yyyy", DTPpd.Value, DTPed.Value)

If a < 1 Then

MsgBox " There must be Difference of 1 year in production date and expiry date"

DTPed.SetFocus

Else

sql = "Select * from Master where DrugName= '" & txtlname & "' and Company='" & txtcom.Text & "'"

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn, 1, 3

If Rs.EOF = False Then

MsgBox " Drug Already Exists", vbCritical, "Error"

txtlname = ""

txtqty = ""

txtshelf = ""

txtunitprice = ""

txtid = ""

txtcom = ""

txtlname.SetFocus

Else

sql = "Select * from Master where Drugid= '" & txtid & "'"

Set Rs = New ADODB.Recordset


```
Rs.Open sql, Cn, 1, 3
If Rs.EOF = False Then
    MsgBox " DrugID Already Exists", vbCritical, "Error"
Else
    sql = "Select * from Master"
    Set Rs = New ADODB.Recordset
    Rs.Open sql, Cn, 1, 3
    With Rs
        .AddNew
        .Fields("DrugName") = txtlname.Text
        .Fields("MfdDate") = DTPpd.Value
        .Fields("ExpDate") = DTPed.Value
        .Fields("Shelf") = txtshelf.Text
        .Fields("Qty") = txtqty.Text
        .Fields("Price") = txtunitprice.Text
        .Fields("company") = txtcom.Text
        .Fields("Drugid") = txtid.Text
        .Update
        .Close
    End With
End If
MsgBox " Drug Is Added", vbInformation, " Congrates"
txtlname = ""
txtqty = ""
txtshelf = ""
txtunitprice = ""
End If
```

End If

End Sub

Private Sub Form_Load()

 Left = (Screen.Width - Width) / 2

 Top = (Screen.Height - Height) / 2

End Sub

Private Sub txtcom_KeyPress(KeyAscii As Integer)

 Call CHECKTEXT(KeyAscii)

End Sub

Private Sub txtlname_KeyPress(KeyAscii As Integer)

 Call CHECKTEXT(KeyAscii)

End Sub

Private Sub txtqty_KeyPress(KeyAscii As Integer)

 Call CHECKNUM(KeyAscii)

End Sub

Private Sub txtunitprice_KeyPress(KeyAscii As Integer)

 Call CHECKNUM(KeyAscii)

End Sub

New Staff Form

Dim g As String

Private Sub cmbemp_Click()

sql = "select * from Login where Fullname='" & cmbemp.Text & "'"

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn

With Rs

txtUserName.Text = .Fields("Username")

txtpass.Text = .Fields("Password")

txtadd.Text = .Fields("Address")

txtcontact.Text = .Fields("Contact")

txtemail.Text = .Fields("Email")

If .Fields("Gender") = "Female" Then

optf.Value = True

ElseIf .Fields("Gender") = "Male" Then

optm.Value = True

End If

dtpj = .Fields("joindate")

End With

Rs.Close

End Sub

Private Sub cmddelete_Click()

If cmddelete.Caption = "Delete" Then

cmddelete.Caption = "Remove"

cmbemp.Visible = True

txtname.Visible = False

cmdsave.Enabled = False

Call fillemp

ElseIf cmddelete.Caption = "Remove" Then

sql = "delete * from Login where Fullname='" & cmbemp.Text & "'"

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn, 1, 3

MsgBox " Staff " & cmbemp.Text & " Is Removed From database "

cmbemp.Clear

txtname.Text = ""

```

        txtUserName.Text = ""
        txtpass.Text = ""
        txtadd.Text = ""
        txtcontact.Text = ""
        txtemail.Text = ""
        cmddelete.Caption = "Delete"
    End If
End Sub

Private Sub fillemp()
    sql = "select Fullname from Login"
    Set Rs = New ADODB.Recordset
    Rs.Open sql, Cn, 1, 3
    Do While Not Rs.EOF
        cmbemp.AddItem (Rs.Fields("Fullname"))
        Rs.MoveNext
    Loop
    Rs.Close

End Sub

Private Sub cmdexit_Click()
    Unload Me
End Sub

Private Sub cmdsave_Click()
    Set Rs = New ADODB.Recordset
    Rs.Open "Select * from Login", Cn, 1, 3

    If txtname = "" Or txtUserName = "" Or txtpass = "" Then
        MsgBox "Enter All the fields Properly ", vbOKOnly, " Empty Fields "
    "

    Else
        Set Rs = New ADODB.Recordset
        sql = "Select * from Login where Fullname=" & txtname.Text & ""
        Rs.Open sql, Cn, 1, 3
        If Not Rs.EOF Then
            MsgBox " Staff is Repeating "

```

```

        Unload Me
        frmnewstaff.Show
    Else
        Set Rs = New ADODB.Recordset
        Rs.Open "Select * from Login", Cn, 1, 3
        With Rs
            .AddNew
            .Fields("Fullname") = txtname.Text
            .Fields("Username") = txtUserName.Text
            .Fields("Password") = txtpass.Text
            .Fields("Address") = txtadd.Text
            .Fields("Contact") = txtcontact.Text
            .Fields("Email") = txtemail.Text
            .Fields("Gender") = g
            .Fields("joindate") = dtpj
            .Update
            .Close
        End With
        MsgBox " New Staff Is Provided With User Name & Password ",
vbInformation
        txtname = ""
        txtUserName = ""
        txtpass = ""
        txtadd = ""
        txtcontact = ""
        txtemail = ""
        optm.Value = False
        optf.Value = False
    End If
End If

End Sub

Private Sub Form_Load()
    Left = (Screen.Width - Width) / 2
    Top = (Screen.Height - Height) / 2
    dtpj.Value = Date
End Sub

```

```
Private Sub optf_Click()  
    If optf.Value = True Then  
        g = "Female"  
    End If  
End Sub
```

```
Private Sub optm_Click()  
    If optm.Value = True Then  
        g = "Male"  
    End If
```

```
End Sub
```

```
Private Sub txtcontact_KeyPress(KeyAscii As Integer)  
    Call CHECKNUM(KeyAscii)  
End Sub
```

```
Private Sub txtname_KeyPress(KeyAscii As Integer)  
    Call CHECKTEXT(KeyAscii)  
End Sub
```

```
Private Sub txtusername_Change()  
    ' Call CHECKTEXT(KeyAscii)  
End Sub
```

```
Private Sub txtUserName_KeyPress(KeyAscii As Integer)  
    Call CHECKTEXT(KeyAscii)  
End Sub
```

Sales Form

```
Private Sub cmbpid_Click()  
sql = "Select * from Master where DrugName = '" & cmbpid.Text & "'"<br>Set Rs = New ADODB.Recordset<br>Rs.Open sql, Cn, 1, 3
```

```
If Rs.EOF <> True And Rs.BOF <> True Then<br>  dtpexpiry.Value = Rs.Fields("ExpDate")<br>  txtupdate.Text = Rs.Fields("MfdDate")<br>  txtunitprice.Text = Rs.Fields("Price")<br>  txtshelf.Text = Rs.Fields("Shelf")<br>  txtbalance.Text = Rs.Fields("Qty")<br>  txtcom.Text = Rs.Fields("Company")<br>  txtid.Text = Rs.Fields("Drugid")<br>End If<br>Rs.Close<br>If Date > dtpexpiry.Value Then<br>  MsgBox "Medicine is Expired", vbCritical<br>  cmdsave.Enabled = False<br>Else<br>  cmdsave.Enabled = True<br>End If<br><br>End Sub
```

```
Private Sub cmbpid_GotFocus()  
Rs.Open "Select DrugName from Master", Cn, 1, 3<br>Rs.MoveFirst<br>While Rs.EOF <> True<br>  cmbpid.AddItem Rs!DrugName<br>  Rs.MoveNext<br>Wend<br>Rs.Close<br>End Sub
```

```
Private Sub cmdexit_Click()  
Unload Me
```

End Sub

Private Sub cmdprint_Click()

sql = "select

Receipt,DrugName,Price,Qty,ProdDate,ExpDate,TPrice,Patient,Doctor,Sell
Date from sales where Receipt=" & txtrecpt.Text

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn, 1, 3

Set billrpt.DataSource = Rs

billrpt.Show

Unload Me

End Sub

Private Sub cmdsave_Click()

'If Date >= dtpexpiry.Value Then

' MsgBox "Medicine is Expired", vbCritical

'Else

sql = "Select * from Master where DrugName = " & cmbpid.Text & ""

Set Rs = New ADODB.Recordset

Rs.Open sql, Cn, 1, 3

If Rs.EOF <> True And Rs.BOF <> True Then

With Rs

.Fields("Qty") = Rs.Fields("Qty") - Val(txtqty.Text)

If Rs.Fields("qty") <= -1 Then

MsgBox "THAT ITEM IS NOT AVAILABLE ", vbInformation

Exit Sub

End If

.Update

End With

MsgBox "Item Is Sold"

Rs.Close

Cn.Close

Cn.Open


```
Rs.Open "Select * from Sales ", Cn, 1, 3
With Rs
    .AddNew
    .Fields("Receipt") = txtrecpt.Text
    .Fields("DrugName") = cmbpid.Text
    .Fields("DrugID") = txtid.Text
    .Fields("Price") = txtunitprice.Text
    .Fields("Tprice") = txttotalprice.Text
    .Fields("Qty") = txtqty.Text
    .Fields("Shelf") = txtshelf.Text
    .Fields("ProdDate") = txtpdate.Text
    .Fields("ExpDate") = dtpexpiry.Value
    .Fields("seller") = frmLogin.txtUserName.Text
    .Fields("Selldate") = txtdate.Text
    .Fields("Patient") = txtpat.Text
    .Fields("Doctor") = txtdoc.Text
    .Fields("Seller") = s
    .Update
    .Close
End With
```

```
Rs.Open "Select * from Bill", Cn, 1, 3
With Rs
    .AddNew
    .Fields("Description") = cmbpid.Text
    .Fields("Qty") = txtqty.Text
    .Fields("UnitPrice") = txtunitprice.Text
    .Fields("TotalPrice") = txttotalprice.Text
    .Update
    .Close
End With
cmbpid.Clear
txtunitprice.Text = ""
txttotalprice.Text = ""
txtqty.Text = ""
txtshelf.Text = ""
txtpdate.Text = ""
txtbalance.Text = ""
```

```
txtcom.Text = ""  
txtdoc.Text = ""  
txtpat.Text = ""  
txtid.Text = ""
```

```
End If  
'End If  
End Sub
```

```
Private Sub Form_Load()  
txtdate.Text = Date  
Left = (Screen.Width - Width) / 2  
Top = (Screen.Height - Height) / 2.4  
If Rs.State = adStateOpen Then  
Rs.Close  
End If  
Rs.Open "Select * from Sales order by Receipt", Cn, 1, 3  
If Rs.RecordCount = 0 Then  
txtrecpt.Text = 1  
Else  
Rs.MoveLast  
txtrecpt.Text = Rs.Fields("Receipt") + 1  
End If  
Rs.Close  
End Sub
```

```
Private Sub txtdoc_KeyPress(KeyAscii As Integer)  
Call CHECKTEXT(KeyAscii)  
End Sub
```

```
Private Sub txtpat_KeyPress(KeyAscii As Integer)  
Call CHECKTEXT(KeyAscii)  
End Sub
```

```
Private Sub txtqty_Change()  
txttotalprice.Text = Val(txtqty.Text) * Val(txtunitprice.Text)  
  
End Sub
```

```
Private Sub txtqty_KeyPress(KeyAscii As Integer)
    Call CHECKNUM(KeyAscii)
End Sub
```

```
Private Sub txtqty_LostFocus()
    txtbalance.Text = Val(txtbalance.Text) - Val(txtqty.Text)

End Sub
```

Staff Details Form

```
Private Sub cmdexit_Click()  
    Unload Me
```

```
End Sub
```

```
Private Sub DataGrid1_Click()
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```

Stock From

```
Private Sub cmdexit_Click()  
    Unload Me
```

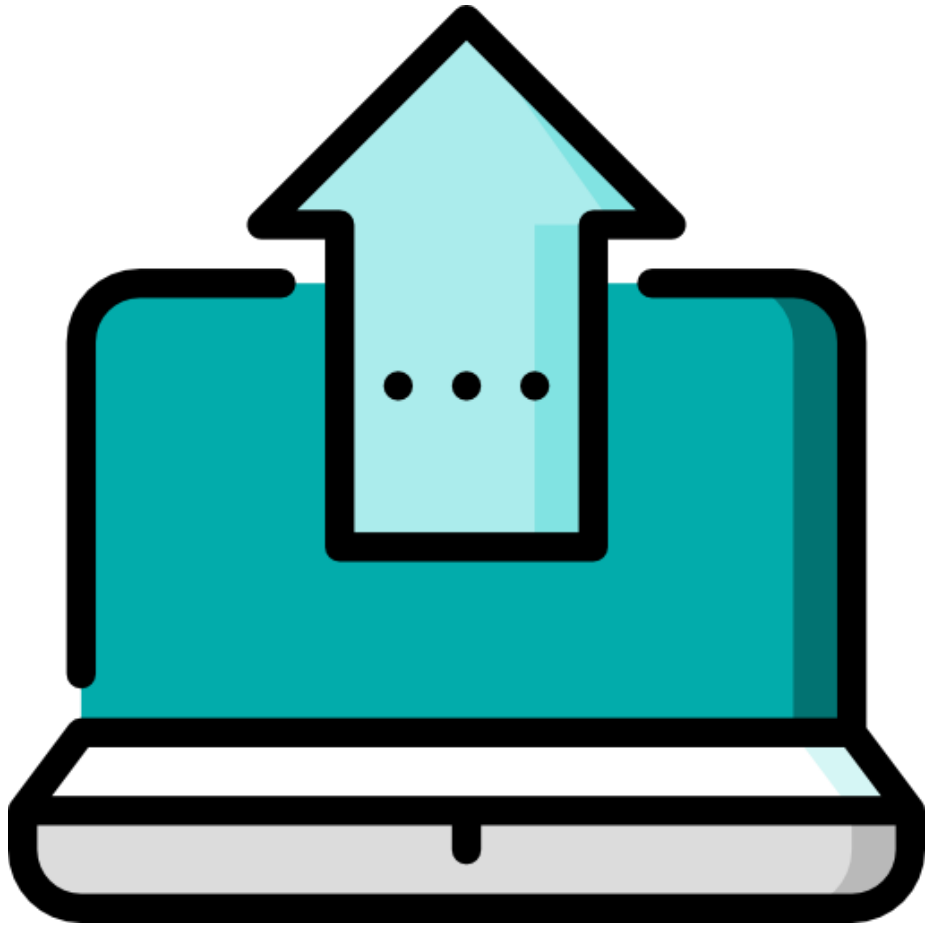
```
End Sub
```

```
Private Sub DataGrid1_Click()
```

```
End Sub
```

```
Private Sub Form_Load()
```

```
End Sub
```



Project Output



Splash Screen

DATA MANAGEMENT FOR THE PHARMACY

Designed and Developed by :

- 1] MR. ARYAMAN PRAVIN KHADILKAR
- 2] MR. YASH SURESH DURATKAR
- 3] MR. ANURAG VINOD UJGAOKAR



Login Screen

Login

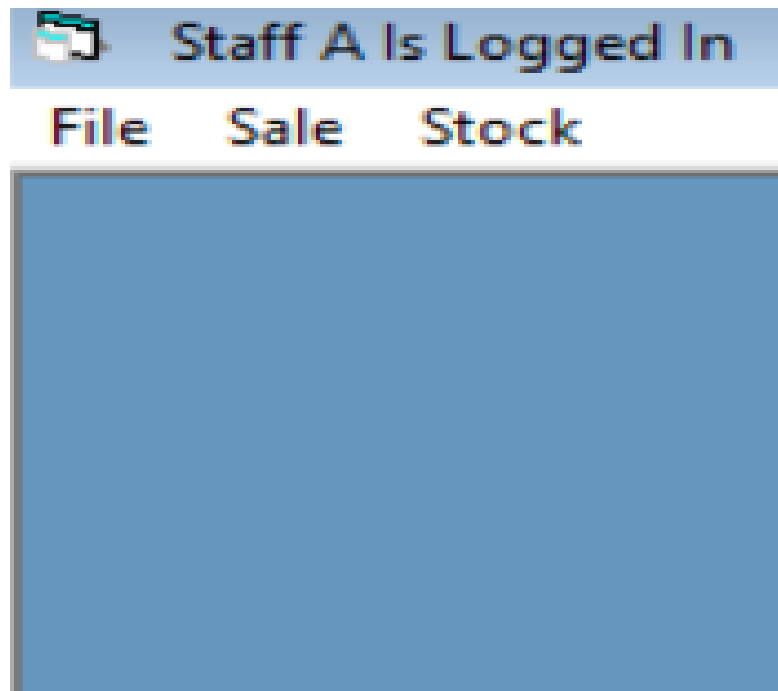
Welcome to
Pharmacy Management System
Login to Access

User Name:

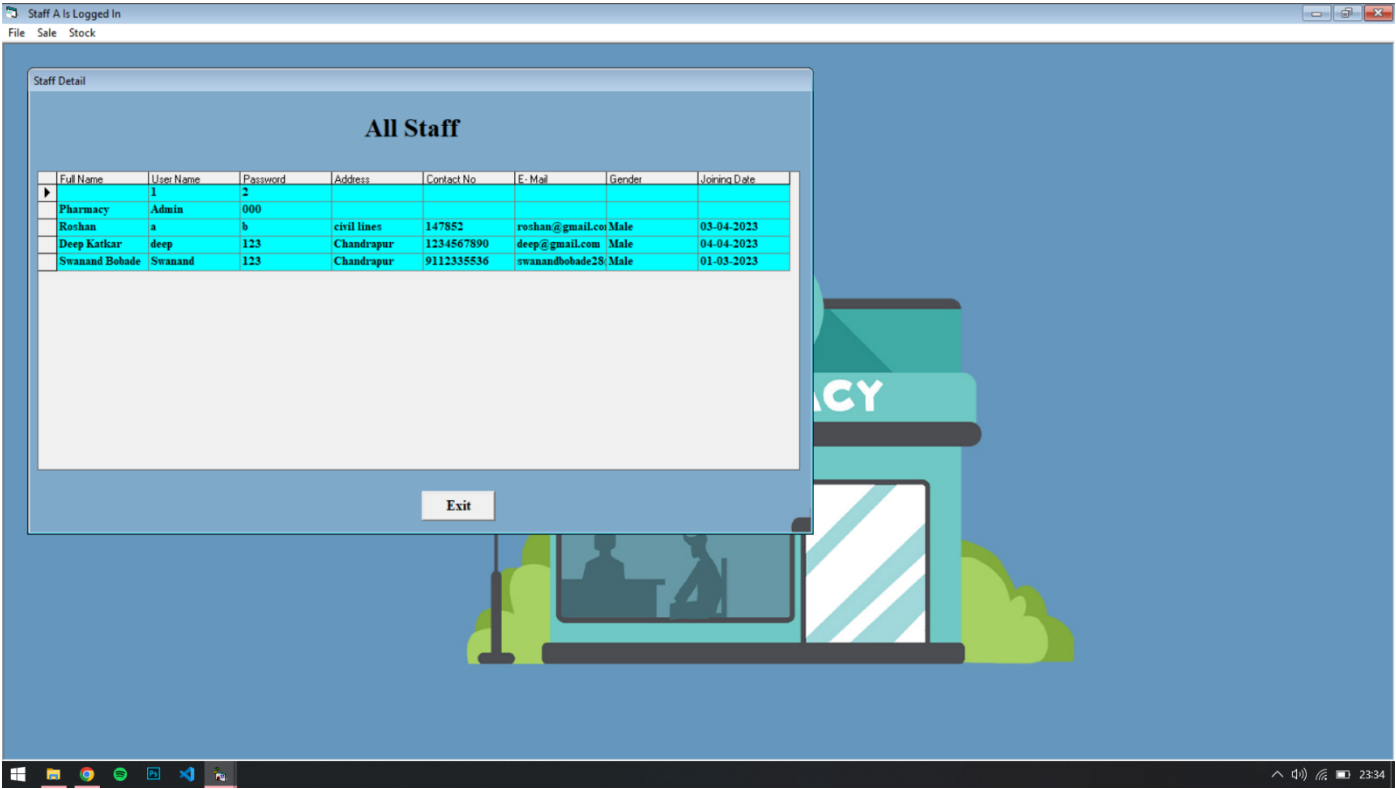
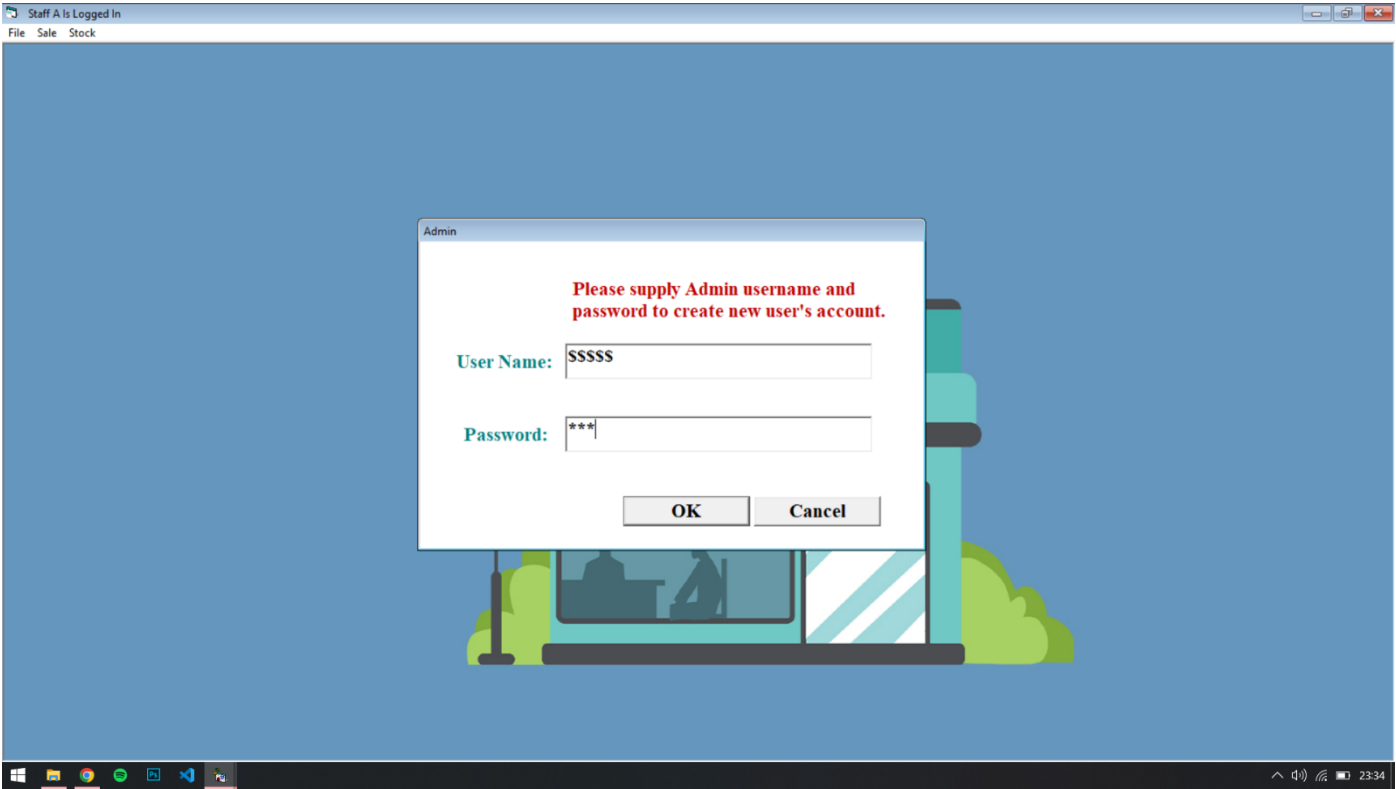
Password:



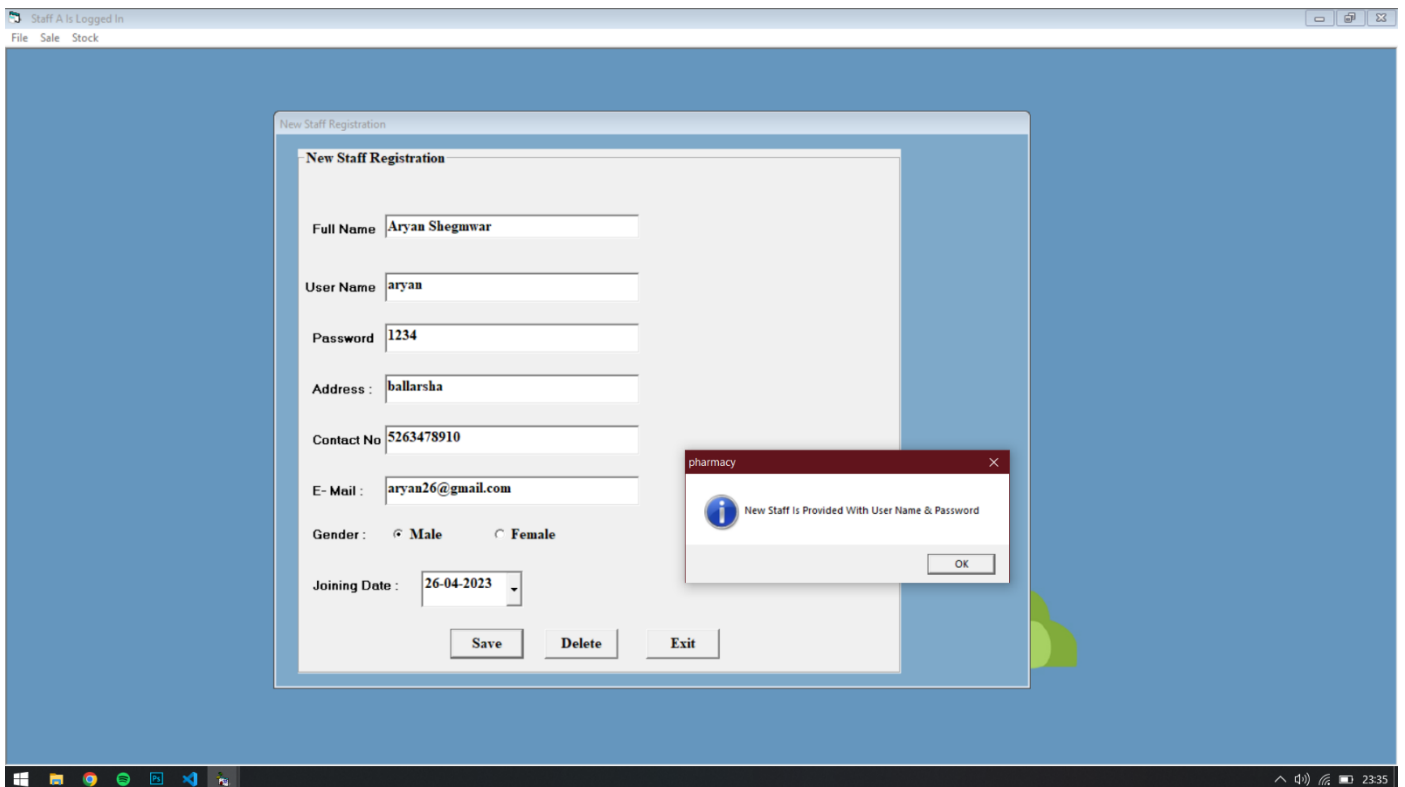
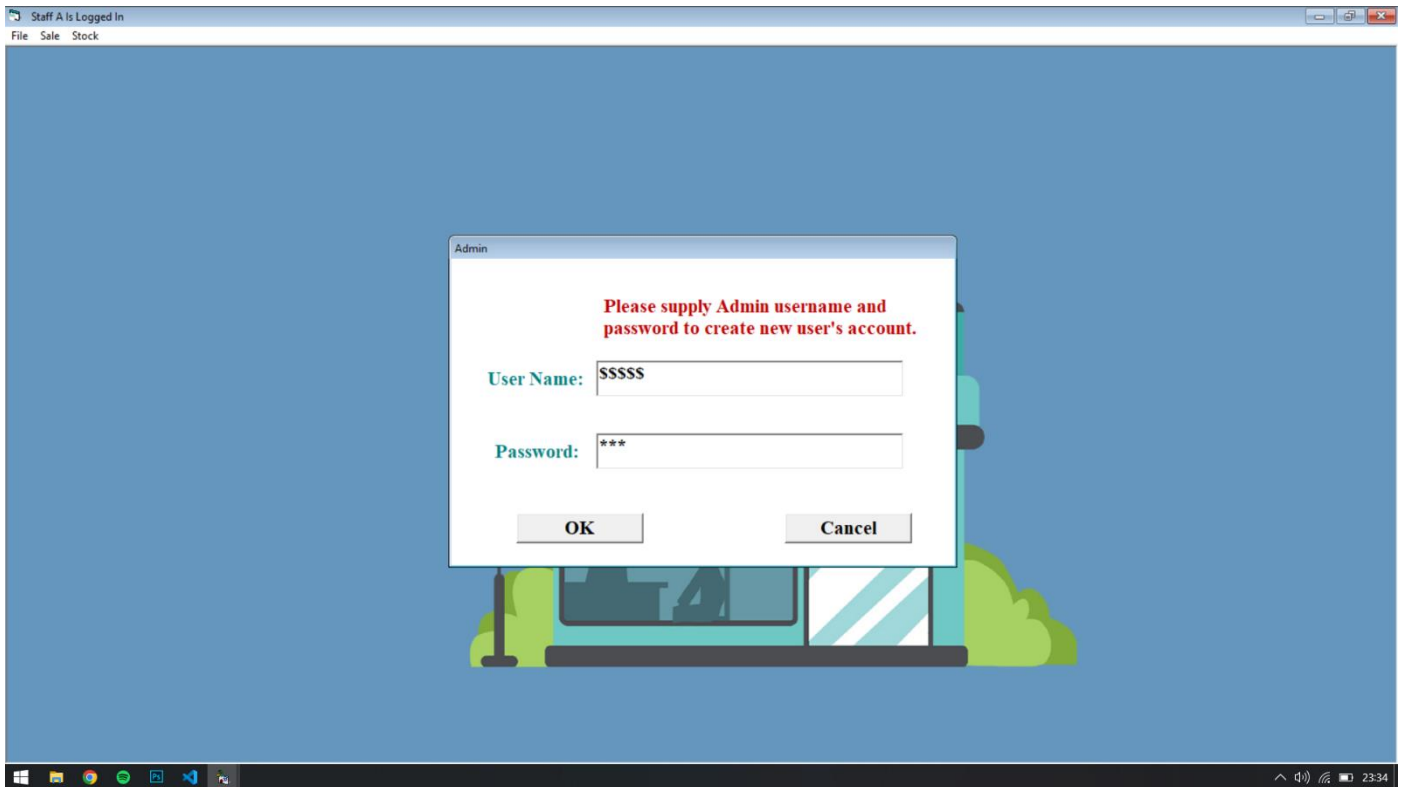
Menu Screen (MDI FORM)



Staff Detail Screen



New Staff Screen



Search Drug Screen

Staff A Is Logged In

FileSaleStock

Drug Search

Drug Search

Sr.No.	Drug Name	Company Name	Drug ID	Production Date	Expiry Date	Quantity	Shelf	Unit Price
1	De-Deons	mayy	d1	08-11-2021	19-06-2024	25	A	10
2	aspirin	xyz	a5879	07-02-2018	15-12-2023	2	a52	10
3	combiflame	cipla	c587	07-02-2020	07-02-2026	29	c	5
4	Zydol Syrup	Amazon	z1245	07-12-2021	07-12-2021	0	z	5
5	Vicks Action500	vicks	v001	07-02-2021	27-12-2025	100	v2	3
6	abc	asdfsdf	a23	07-10-2019	07-02-2026	9	a45	5
7	assomax 8e	asdf	123	30-10-2019	30-10-2025	44	a90	5
8	ENO	org	td7	30-10-2022	17-10-2024	90	e-22	5
9	crocin	cbc	c12	30-10-2018	29-10-2029	50	a	5
10	Dolo	Dolo	d123	23-01-2023	23-01-2027	50	D1	15
11	NIDPAR	Nicip	14	23-01-2023	23-01-2026	50	A1	10
12	Panadol	pqr	p789	01-01-2022	07-12-2023	50	A	12
13	Panadol Extra1 (Syrup)	lmn	p1456321	01-01-2022	01-01-2026	17	p	14

Drug

Search

Exit

23:35

Make Sale Screen

Staff A is Logged In

File Sale Stock

Sales

Product Description

Drug Name: NIDPAR

Company Name: Nicip

Drug Id: 14

Patient Name: Ritika Padgelwar

Dr. Name: Dr Gulwade

Production Date: 23-01-2023

Shelf: A1

Expiry Date: 23-01-2026

Unit Price: 10

Quantity: 12

Total Price: 120

Stock Balance: 38

Date: 09-04-2023

Receipt No: 6

pharmacy

Item Is Sold

OK

Save Print Bill Exit

Printing the Sales Report

Staff A is Logged In - [Bill]

File Sale Stock

Zoom: 100%

ABC PHARMACY AND STORES

Bangali Camp Square, Chandrapur. Tel No : 245638

SALES RECEIPT

Consult Doctor,Before taking medicines

Receipt No : 6

Date : 09-04-2023

Patient Name : Ritika Padgelwar

Doctor Name : Dr Gulwade

DrugName: NIDPAR

Manufacturing Date : 23-01-2023

Expiry Date : 23-01-2026

Price : 10

Quantity : 12

Total Amount : 120

Signature : _____

Wish you Speedy recovery

Pages: 1

Viewing All Sales

Staff A is Logged In - [All Sales]

File Sale Stock

Zoom 100%

ABC PHARMACY AND STORES

Bangali Camp Square, Chandrapur. Tel No : 245638

Date : 09-04-2023

Drug Name	Quantity	Unit Price	Total Price	Seller	Date
aspirin	1	10	10	1	03-04-2023
aspirin	5	10	50	1	03-04-2023
Dolo	50	15	750	Admin	03-04-2023
abc	10	5	50	1	04-04-2023
aspirin	2	10	20	1	04-04-2023
NIDPAR	12	10	120	a	09-04-2023
6	80		1000		

Pages: 1

2336

Add New Form Screen

The image shows a software interface for adding new products. The main window is titled 'Products' and contains a 'Drug Description' form. The form has the following fields:

Field	Value
Drug Name	Clavam
Company Name	Cipla
Drug Id	625
Production Date	23-01-2023
Expiry Date	23-01-2027
Quantity	20
Shelf	A2
Unit Price	20

At the bottom of the form are 'Save' and 'Exit' buttons. A small dialog box titled 'Congrates' is open, displaying an information icon and the message 'Drug Is Added'. It has an 'OK' button.

Stock Balance Screen

Form1

Stock Balance

Drug Id	Name	Mf Date	Expiry	Company	Price	Shelf	Stock
di	De-Deons	08-11-2021	19-06-2024	maxy	10	A	25
a5879	aspirin	07-02-2018	15-12-2023	xyz	10	a52	2
c587	combiflame	07-02-2020	07-02-2026	cipla	5	c	29
z1245	Zydol Syrup	07-12-2021	07-12-2021	Amazon	5	z	0
v001	Vicks Action500	07-02-2021	27-12-2025	vicks	3	v2	100
a23	abc	07-10-2019	07-02-2026	asdfsfsf	5	a45	9
123	assomax 8e	30-10-2019	30-10-2025	asdf	5	a90	44
td7	ENO	30-10-2022	17-10-2024	org	5	e-22	90
c12	crocin	30-10-2018	29-10-2029	cbc	5	a	50
d123	Dolo	23-01-2023	23-01-2027	Dolo	15	D1	50
14	NIDPAR	23-01-2023	23-01-2026	Nicip	10	A1	38
625	Clavam	23-01-2023	23-01-2027	Cipla	20	A2	20
p789	Panadol	01-01-2022	07-12-2023	pqr	12	A	50
p1456321	Panadol Extra1 (Syrup)	01-01-2022	01-01-2026	lmn	14	p	17

Exit

Edit Stock Screen

The screenshot displays a software interface for editing stock. The main window is titled "Edit" and contains a form with the following fields:

Product Description	
Drug	Dolo
Drug Id	1
Production Date	23-01-2022
Expiry Date	23-02-2026
Shelf	A1
Price	25
Quantity	20

At the bottom of the form are three buttons: **Update**, **Delete**, and **Exit**.

A small dialog box titled "pharmacy" is open, displaying the message "Item Dolo is Updated" and an **OK** button.

All Expiry Medicine

Staff DEEP Is Logged In - [DataReport1]						
File Sale Stock						
Zoom 100%						
All Expiry Medicines						
Drugid	DrugName	MfdDate	ExpDate	Price	Shelf	Quantity
3	Saridon	04-06-2022	23-08-2027	10	A2	22
10	Aciloc	31-10-2019	10-02-2023	3	B3	15
11	AntiFlu	31-10-2019	03-04-2023	24	B3	10
9	AmoxyClav	31-10-2020	01-03-2023	5	B3	10

Scope & Limitation

1. It has very less paper work as all the entries are in Computer.
2. Login facility is there for the security and authentication
3. Maintaining the details of various medicines is easy.
4. Particular medicine can be searched easily.
5. Income Reports can be viewed on weekly, monthly, yearly basis.
6. Stock Reports can be viewed.

Limitations

1. Computer is required for running the project.
2. Knowledge of computer is must.

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