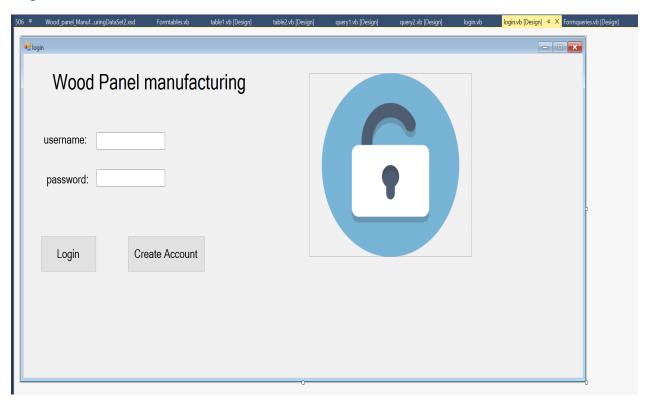
PROJECT – Wood Panel Manufacturing

If we select the list of tables form from the Main menu, following login form is opened. The login form has the validation, if the user is prompted with username and password, the application uses the ASCII encryption algorithm for the login. If there is a match between the username and password, the user is allowed access to the tables and queries form, and denied if there is no match between the username and password.

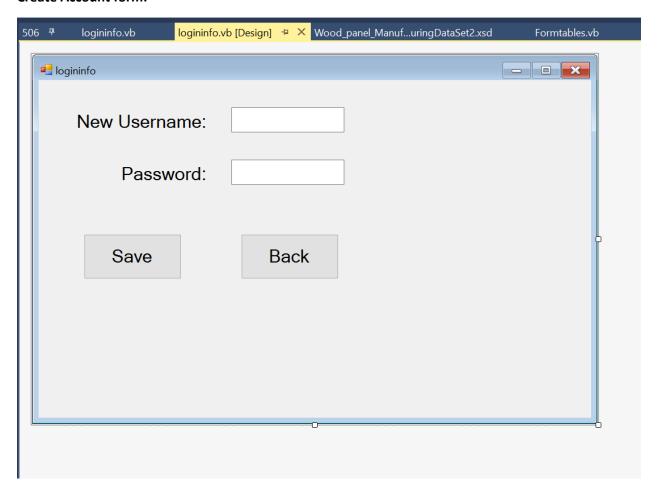
Even there is option to create the account if there is no login and password.

Login form:



```
logininfo.vb
                                                                                                             logininfo.vb [Design] Wood_panel_Manuf...uringDataSet2.xsd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            table1.vb [Design]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  🕶 🤩 login
₩ 506
                                               Public Class login
                          3
                                                                         Oreferences
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

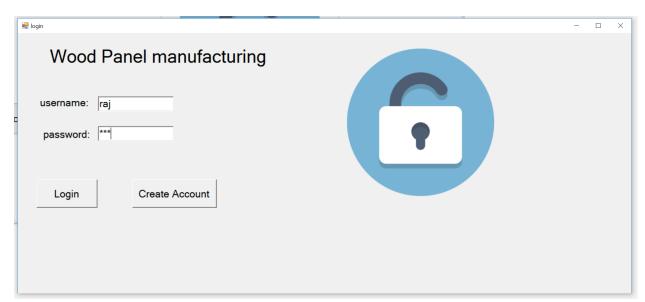
Order of the support of the sup
                          5
                                                                                          If TextBox1.Text = My.Settings.username And TextBox2.Text = My.Settings.password Then
                                                                                                              Me.Hide()
                                                                                                           Formtables.Show()
                          8
                                                                                            Else MsgBox("Username And Password Do Not match")
                                                                                           End If
                         9
                    10
                                                                          End Sub
                    11
                                                                         Oreferences
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
                    12
                                                                                           Me.Hide()
                    13
                                                                                           logininfo.Show()
                    14
                                                                          End Sub
                     15
                                                       End Class
```

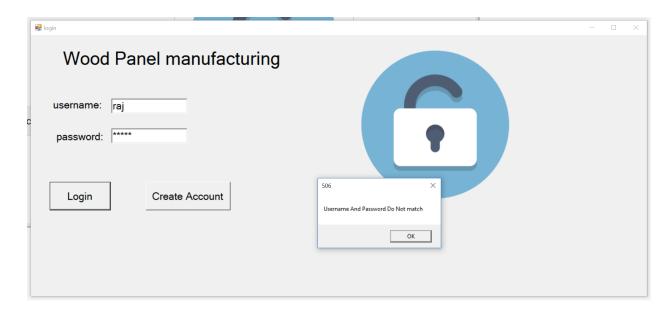


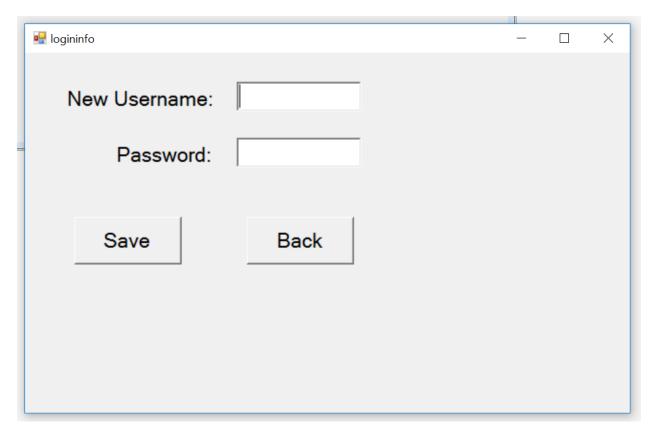
Using an ASCII encryption, the password is saved in different format.

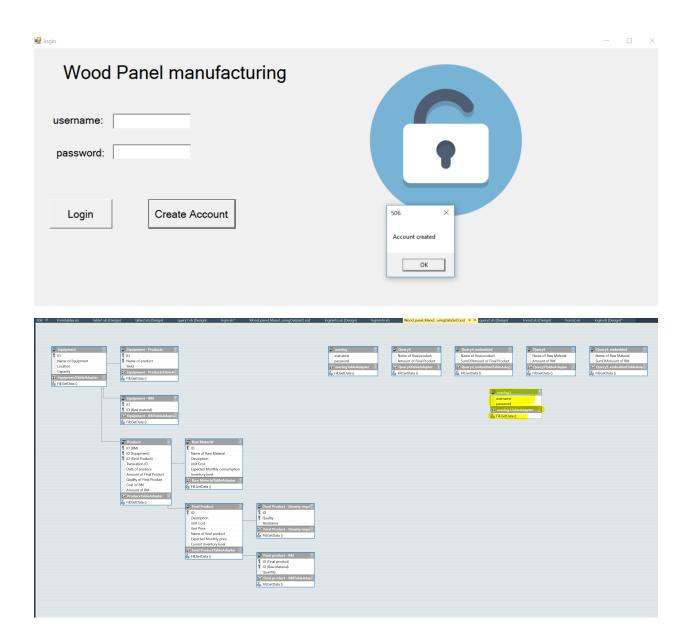
```
logininfo.vb ≠ × logininfo.vb [Design]
                                               Wood_panel_Manuf...uringDataSet2.xsd
                                                                                     Formtables.vb
                                                                                                       table1.vb [Design]
™ 506
                                                                                                    ▼ 👣 logininfo
           □ Public Class logininfo
                Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
      3
                     My.Settings.username = TextBox1.Text
                     My.Settings.password = TextBox2.Text
      4
                     Dim Encrptionfactor As Integer = 3
                     For Each letter As String In TextBox2.Text
      6
                         TextBox2.Text += Chr(Asc(letter) + Encrptionfactor)
                    Next
      8
                     My.Settings.Save()
      9
     10
                     login.Show()
                    Me.Hide()
     11
                     MsgBox("Account created")
     12
                     'MsgBox(TextBox2.Text)
     13
     15
     16
                End Sub
     17
     18
                Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
     19
                    Me.Hide()
     21
     22
                 End Sub
            End Class
     23
```

Execution view:

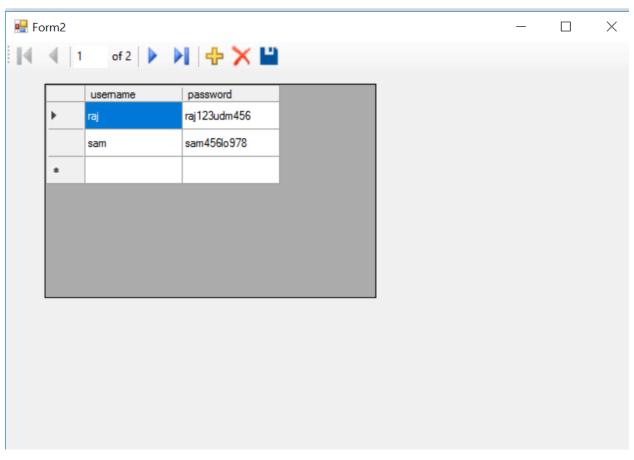








Here, after entering the username and password, the password is stored in the user-log table in the encrypted form. The user-log table is imported from the access table. Here, the password typed was "raj123", but the saved password was "raj123udm456".



```
Tegrences

2 references
Private Sub Userlog1BindingNavigatorSaveItem_Click(sender As Object, e As EventArgs) Handles Userlog1BindingNavigatorSaveItem.Click
Me. Validate()
Me. Userlog1BindingSource.EndEdit()
Me. TableAdapterManager.UpdateAll(Me.Wood_panel_ManufacturingDataSet3)

Find Sub

O references
Private Sub Form2_Load(sender As Object, e As EventArgs) Handles MyBase.Load

O references
Private Sub Form2_Load(sender As Object, e As EventArgs) Handles MyBase.Load

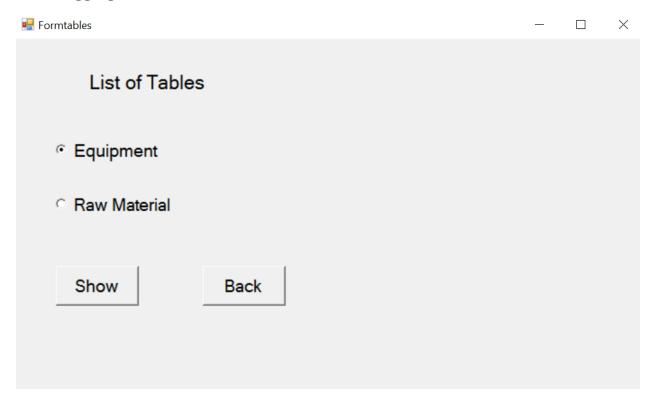
Me. Userlog1TableAdapter.Fill(Me.Wood_panel_ManufacturingDataSet3.userlog1' table. You can move, or remove it, as needed.

Me. Userlog1TableAdapter.Fill(Me.Wood_panel_ManufacturingDataSet3.userlog1)

End Sub

End Class
```

After logging in,



2. User interface

I have changed the interface of the main form into 1 form, letting the user access all functions and information in one screen. If we select the dropdown as the list of tables and list of queries.

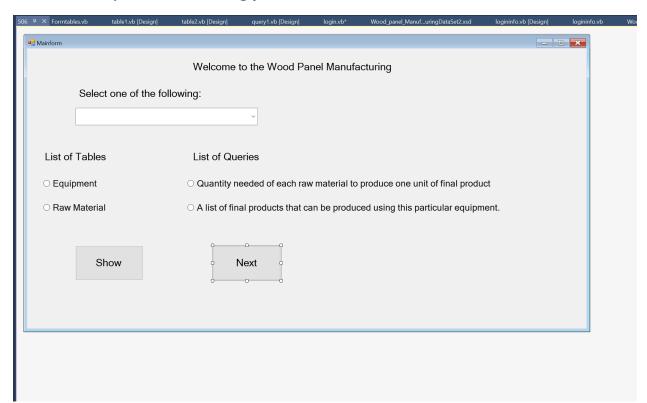
Learnability: The application is simple to learn and easy to understand.

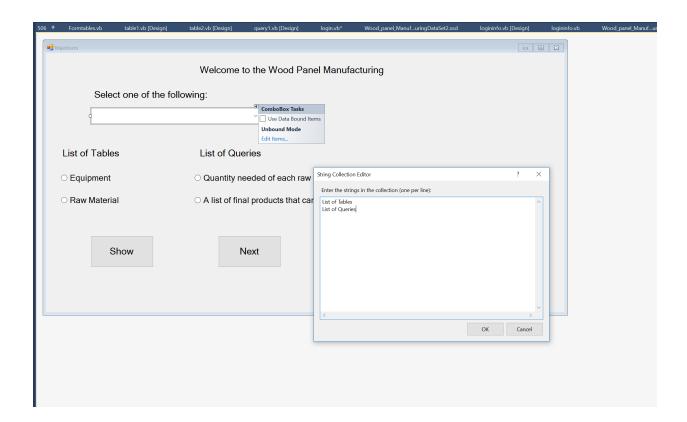
Efficiency: There are shortcuts for this application to view the tables and the list of view and queries.

Memorability: The username and password is saved, and the user can access the application as the application remembers using the login form.

Low Error rate: The application is very responsive and runs without any bugs.

User Friendly: The application is easy and very user friendly as you can access every element using just one form.



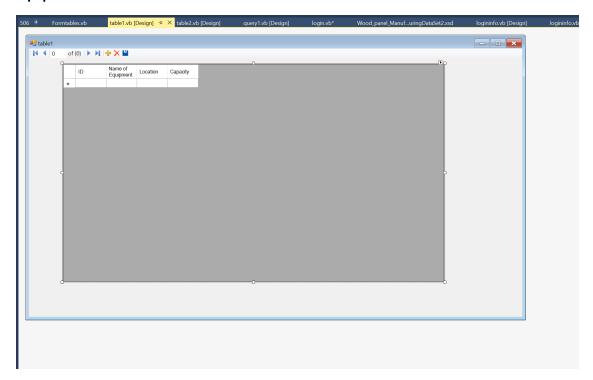


Code view:

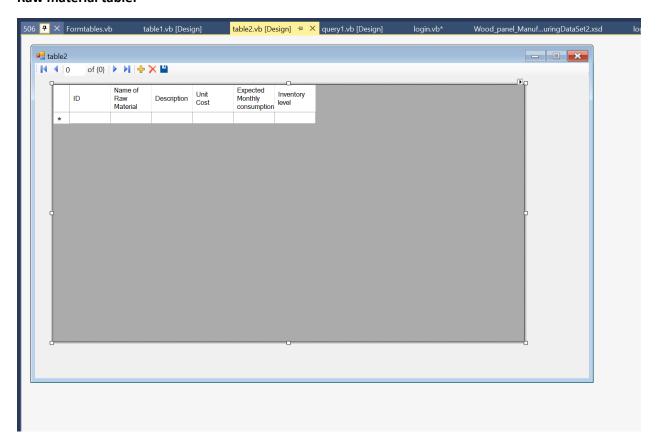
```
506 7 × Formtables.vb
₩ 506
                                                                                                 MainForm
          □ Public Class MainForm
                Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
                    If ComboBox1.SelectedItem = "List of Tables" Then
                        Label3.Visible = True
     4
                        RadioButton1.Visible = True
     5
                        RadioButton2.Visible = True
     6
                    ElseIf ComboBox1.SelectedItem = "List of Queries" Then
     8
                        Label4.Visible = True
     9
                        RadioButton3.Visible = True
    10
                        RadioButton4.Visible = True
    11
                    End If
    12
                End Sub
    13
                O references

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    14
    15
                    If RadioButton1.Checked Then
    16
                        table1.Show()
    17
                        login.Show()
    18
                        Me.Hide()
    19
                    ElseIf RadioButton2.Checked Then
    20
                        table2.Show()
                        login.Show()
    21
    22
                        Me.Hide()
                    ElseIf RadioButton3.Checked Then
    23
    24
                        query1.Show()
    25
                        login.Show()
    26
                        Me.Hide()
    27
                    ElseIf RadioButton4.Checked Then
    28
                        query2.Show()
    29
                        login.Show()
    30
                        Me.Hide()
    31
    32
                    End If
                End Sub
    33
    34
           End Class
    35
```

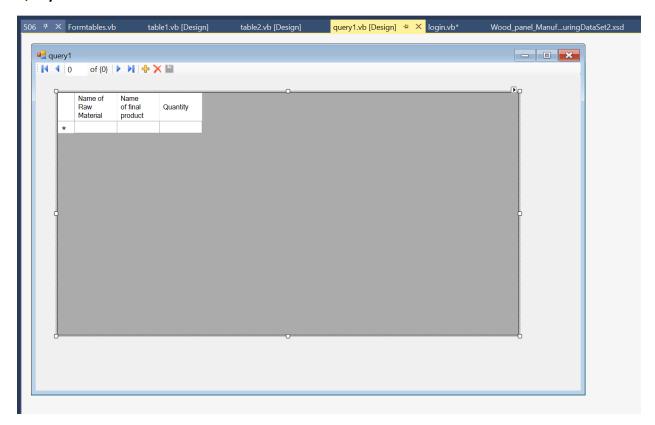
Equipment table:



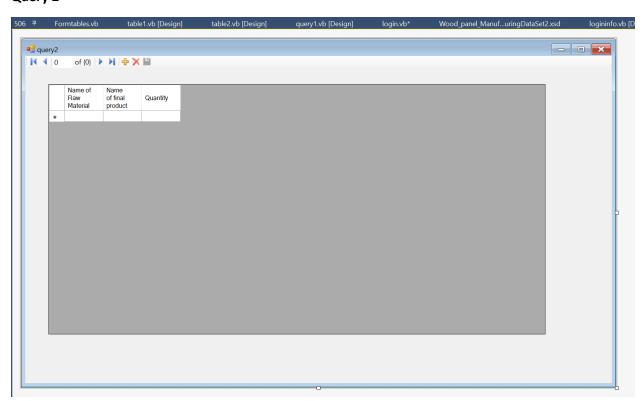
Raw material table:



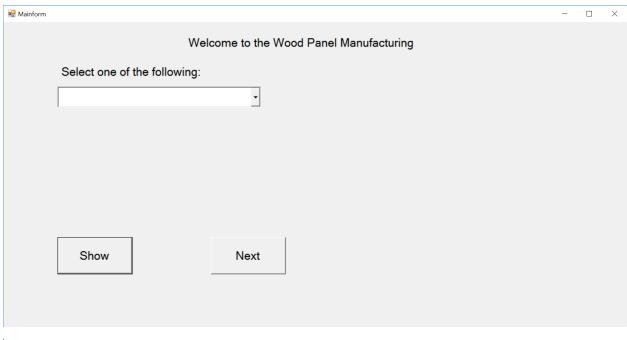
Query 1

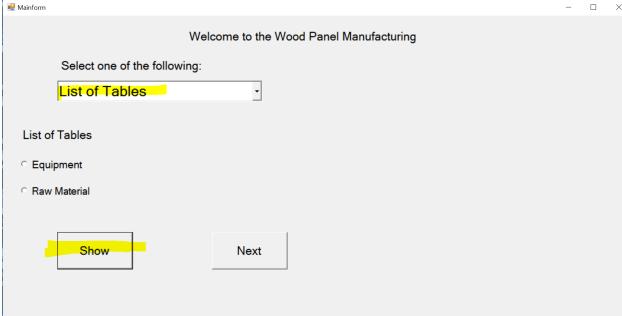


Query 2



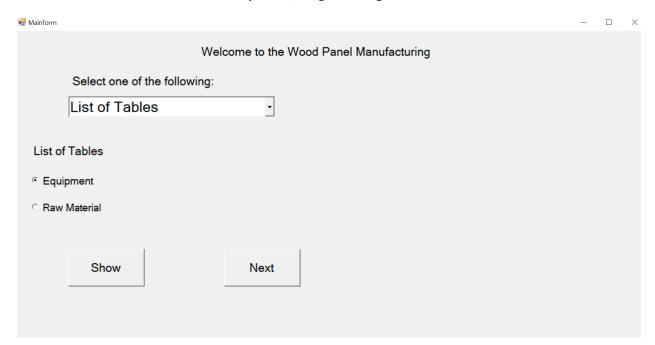
Execution view:



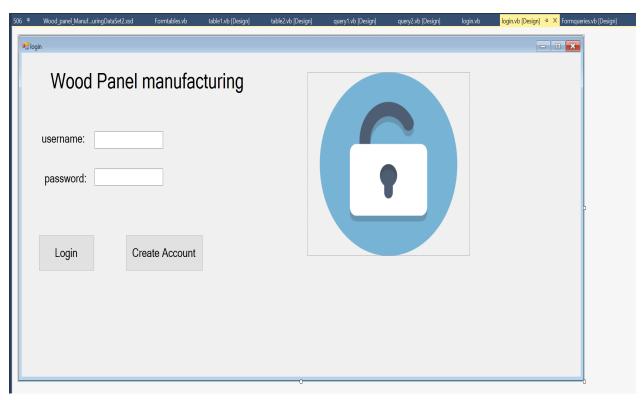




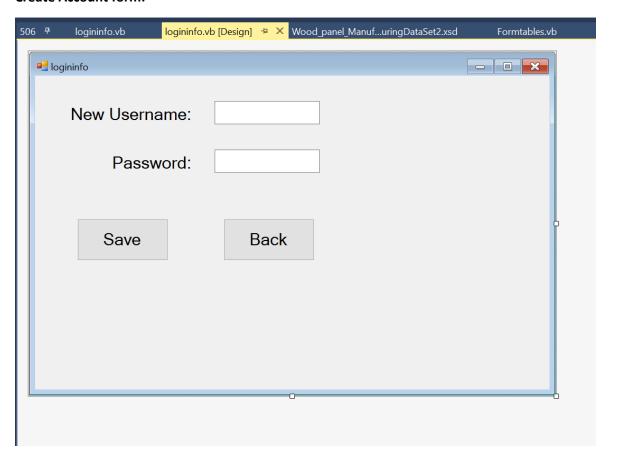
If we select the list of tables or list of queries, we get the login form:



Login form:



```
Wood_panel_Manuf...uringDataSet2.xsd
         logininfo.vb
                         logininfo.vb [Design]
                                                                                                       table1.vb [Design]
VB 506
                                                                                                     🕶 🤩 login
          Public Class login
                Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
     5
                    If TextBox1.Text = My.Settings.username And TextBox2.Text = My.Settings.password Then
                        Me.Hide()
                        Formtables.Show()
     8
                    Else MsgBox("Username And Password Do Not match")
                    End If
     9
    10
                End Sub
    11
                Oreferences
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    12
                    Me.Hide()
    13
    14
                    logininfo.Show()
                End Sub
    15
            End Class
```

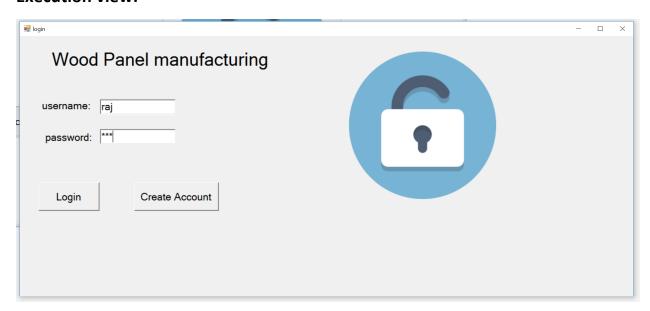


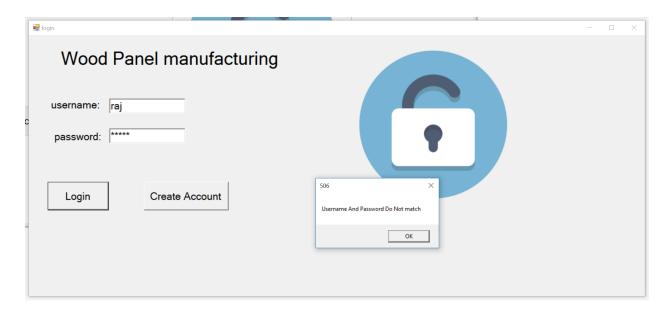
Using an ASCII encryption, the password is saved in different format.

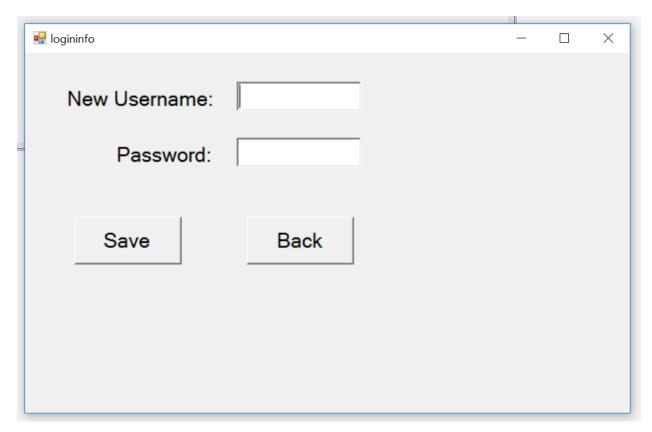
```
logininfo.vb ≠ × logininfo.vb [Design]
                                                Wood_panel_Manuf...uringDataSet2.xsd
                                                                                       Formtables.vb
                                                                                                         table1.vb [Design]
₩B 506
                                                                                                      ▼ 👣 logininfo
           1 reference

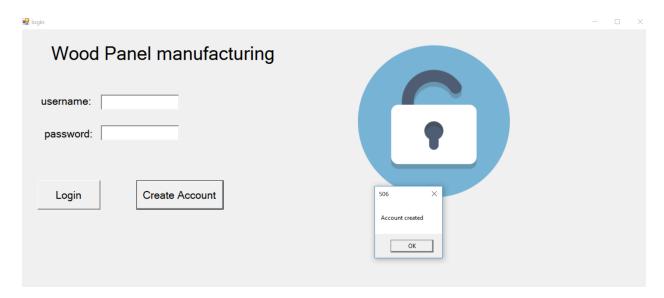
Public Class logininfo
                 Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
                     My.Settings.username = TextBox1.Text
      3
                     My.Settings.password = TextBox2.Text
      5
                     Dim Encrptionfactor As Integer = 3
                     For Each letter As String In TextBox2.Text
      6
                         TextBox2.Text += Chr(Asc(letter) + Encrptionfactor)
      8
                     My.Settings.Save()
      9
     10
                     login.Show()
     11
                     Me.Hide()
                     MsgBox("Account created")
     12
     13
                     'MsgBox(TextBox2.Text)
     14
     15
     16
     17
                 End Sub
     18
                 Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
     19
                     Formtables.Show()
     20
     21
                     Me.Hide()
                 End Sub
     22
            End Class
```

Execution view:

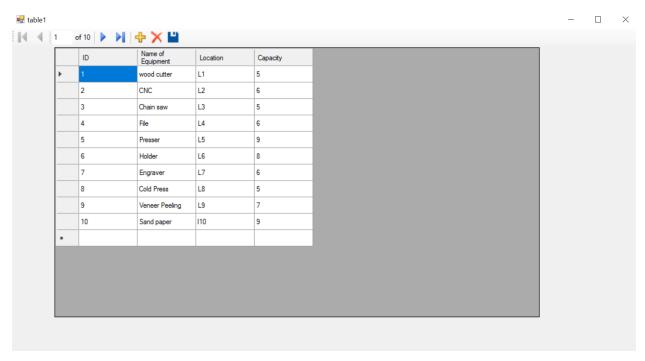




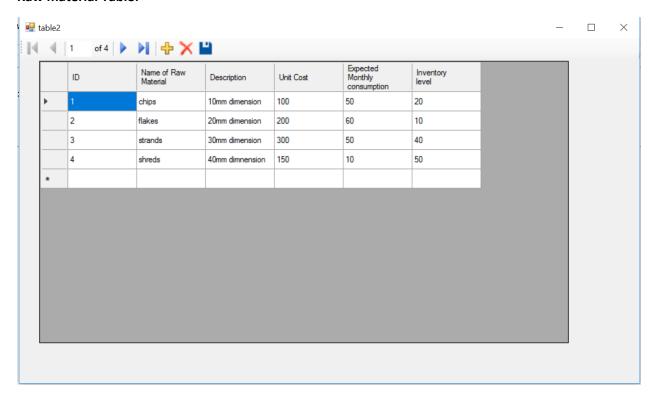




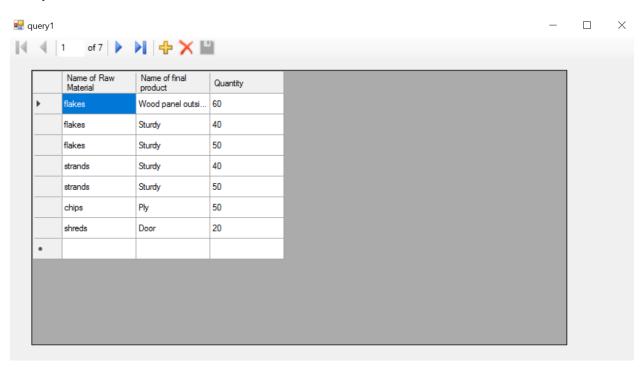
Equipment table:



Raw material Table:



Query 1:



Query 2:

