



逢甲大學學生報告 ePaper

報告題名：應用程式設計(班級通訊錄管理系統)

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開課系所：工業工程與系統管理學系

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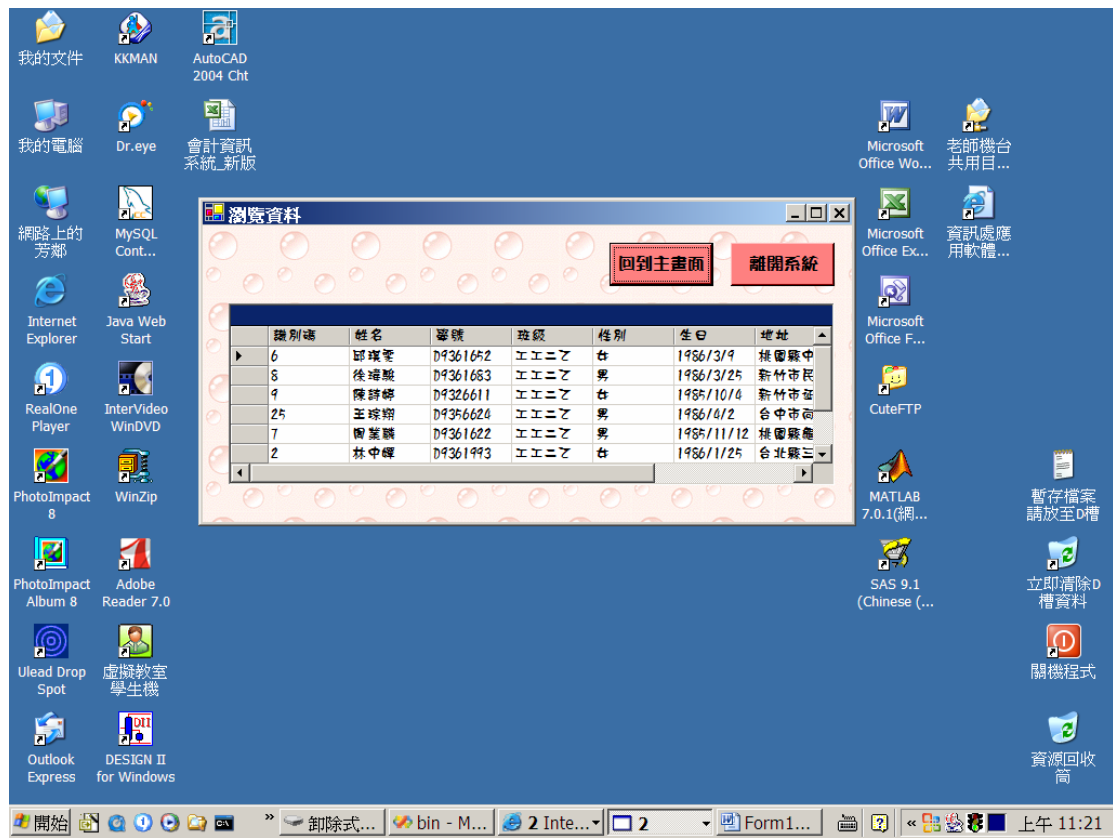
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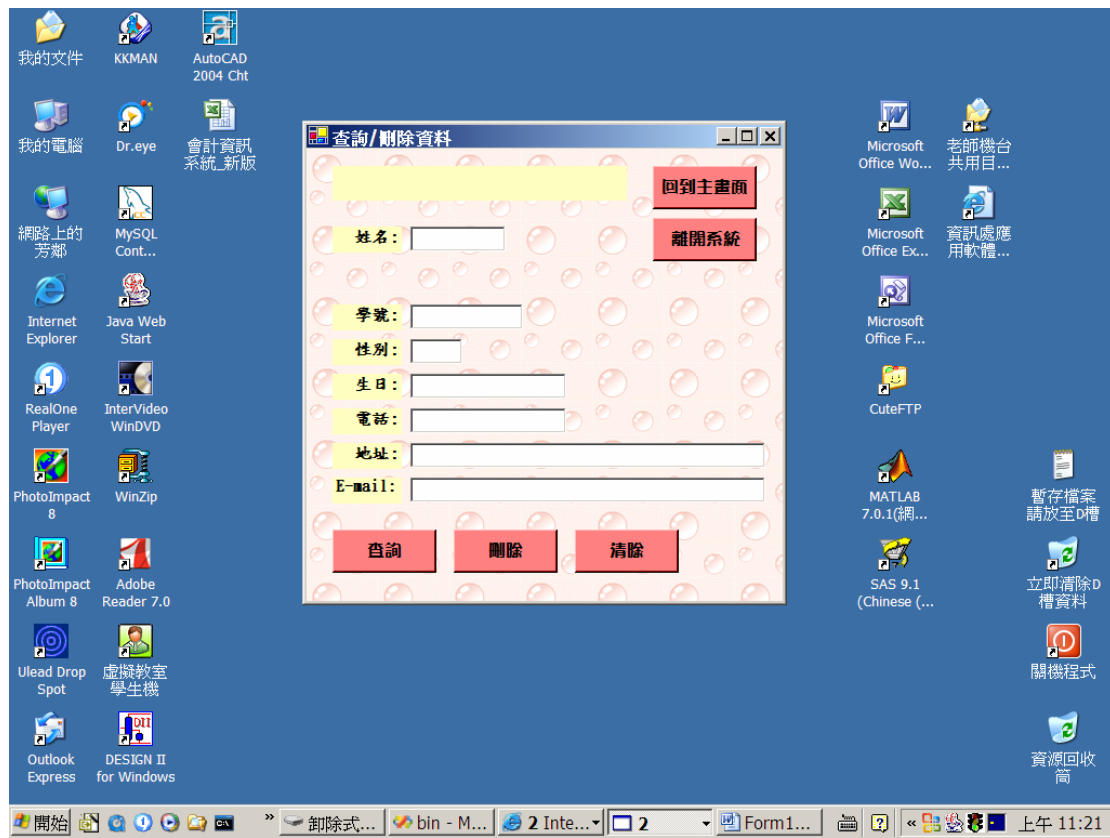
一、班級通訊錄管理系統的執行畫面



二、瀏覽資料的執行畫面

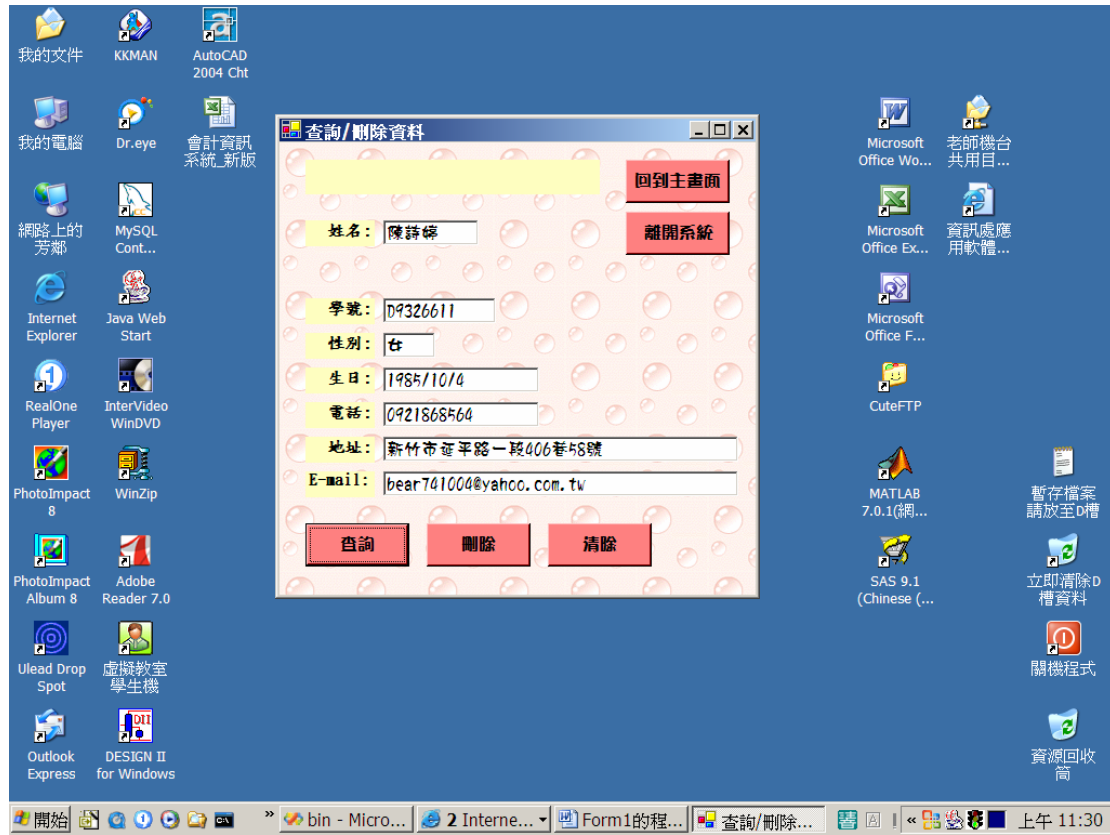


三、查詢/刪除資料的執行畫面

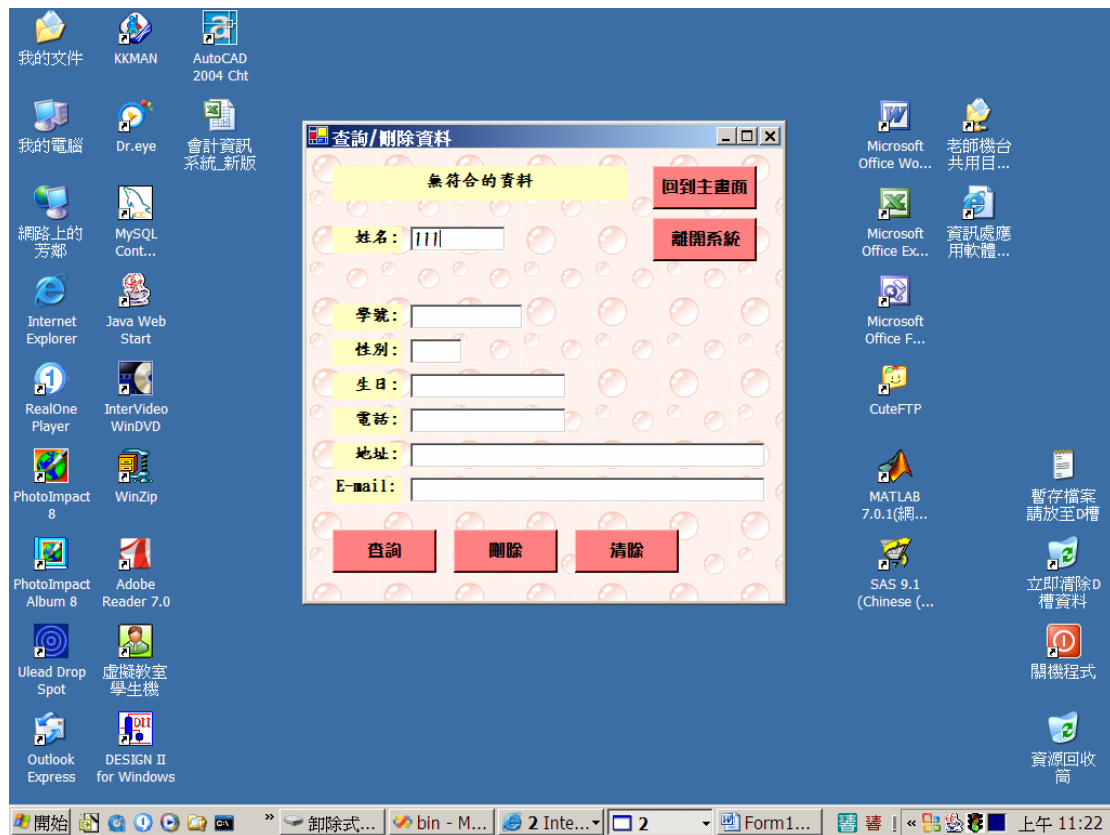


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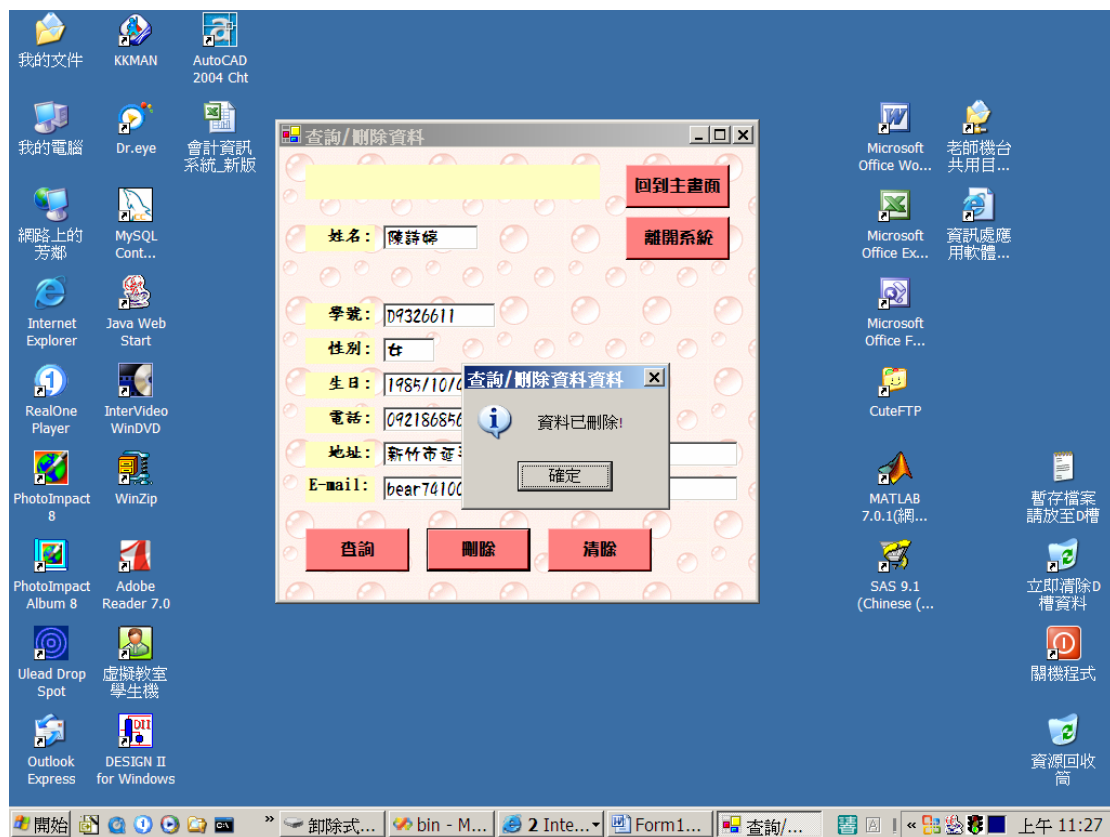
A.查詢資料：



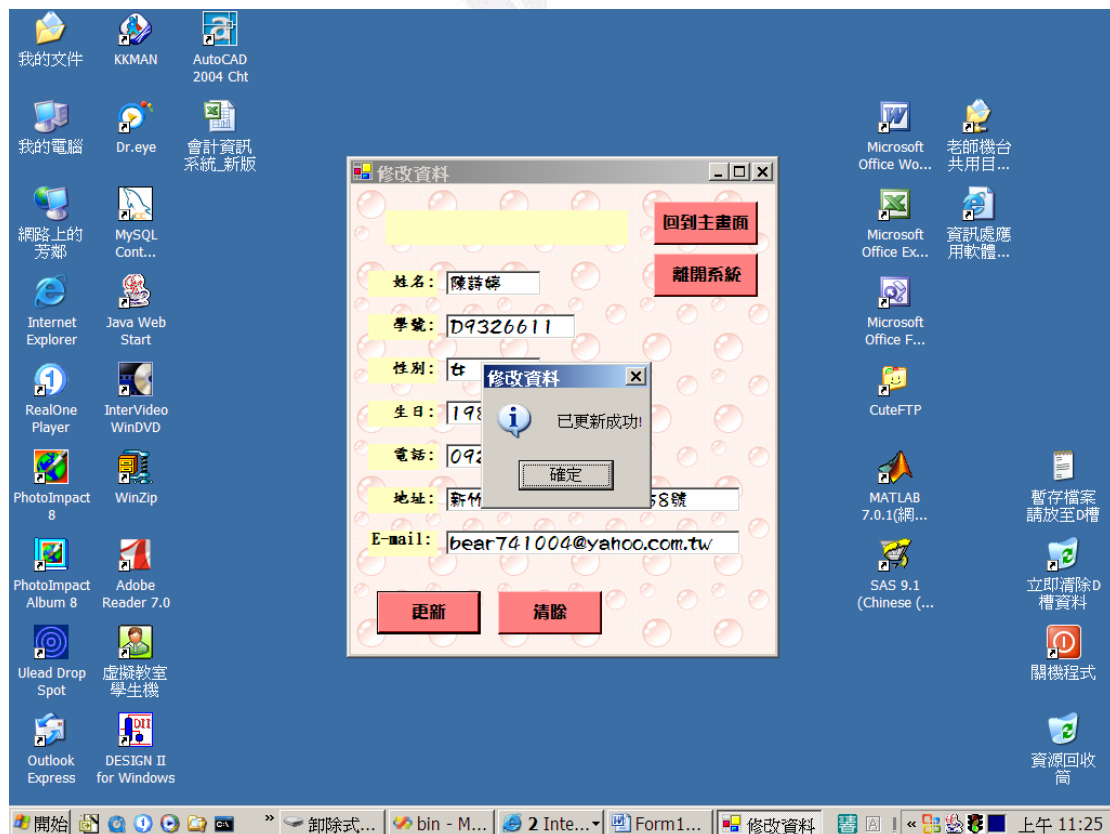
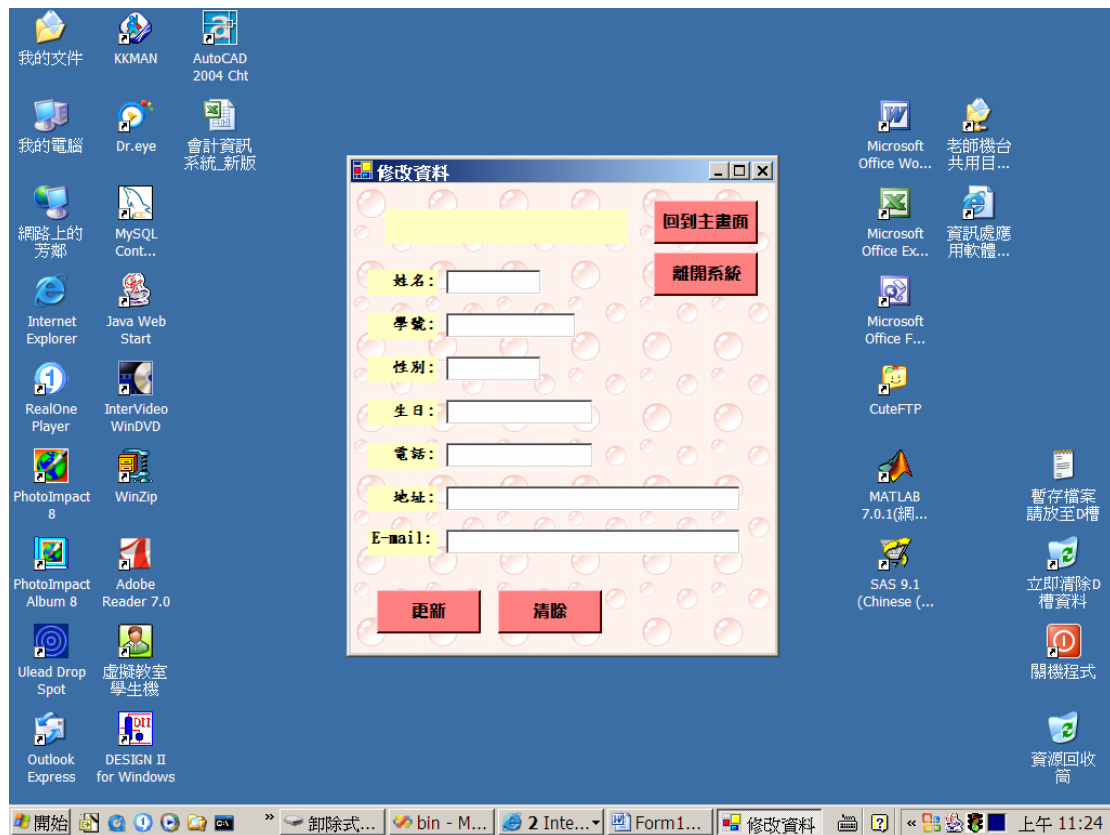
B.查無資料：



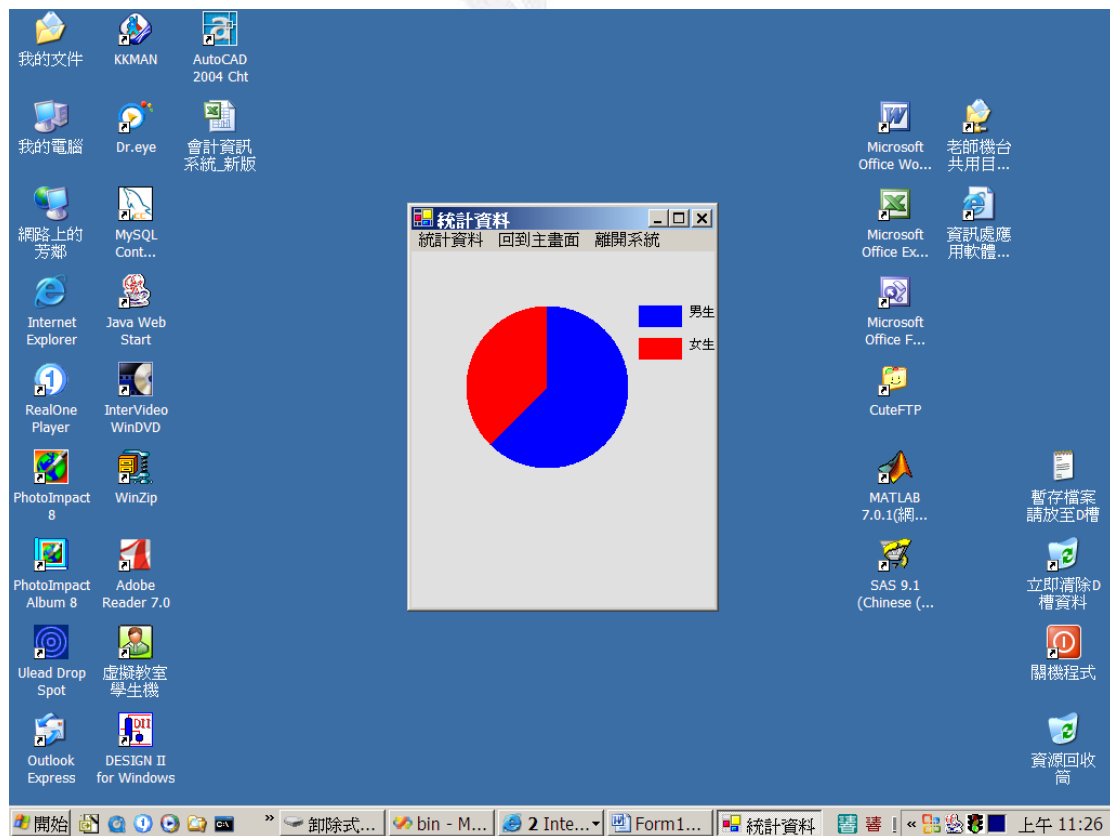
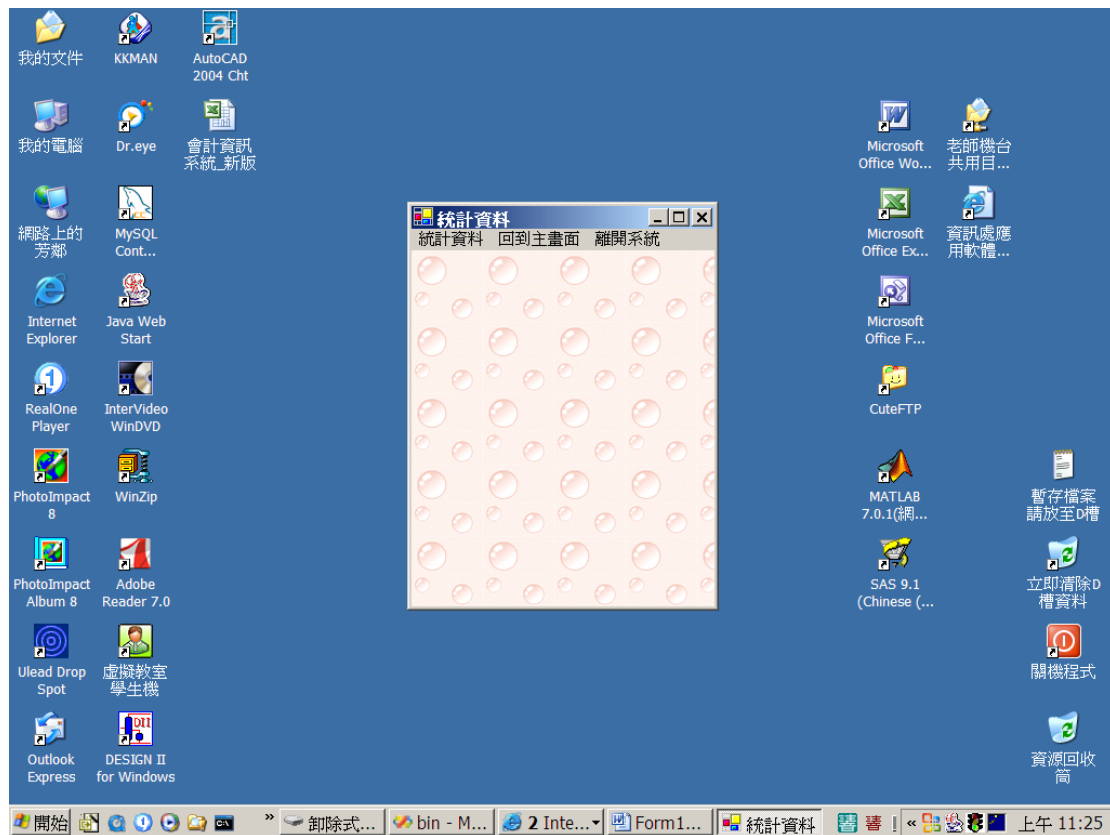
C.刪除資料：



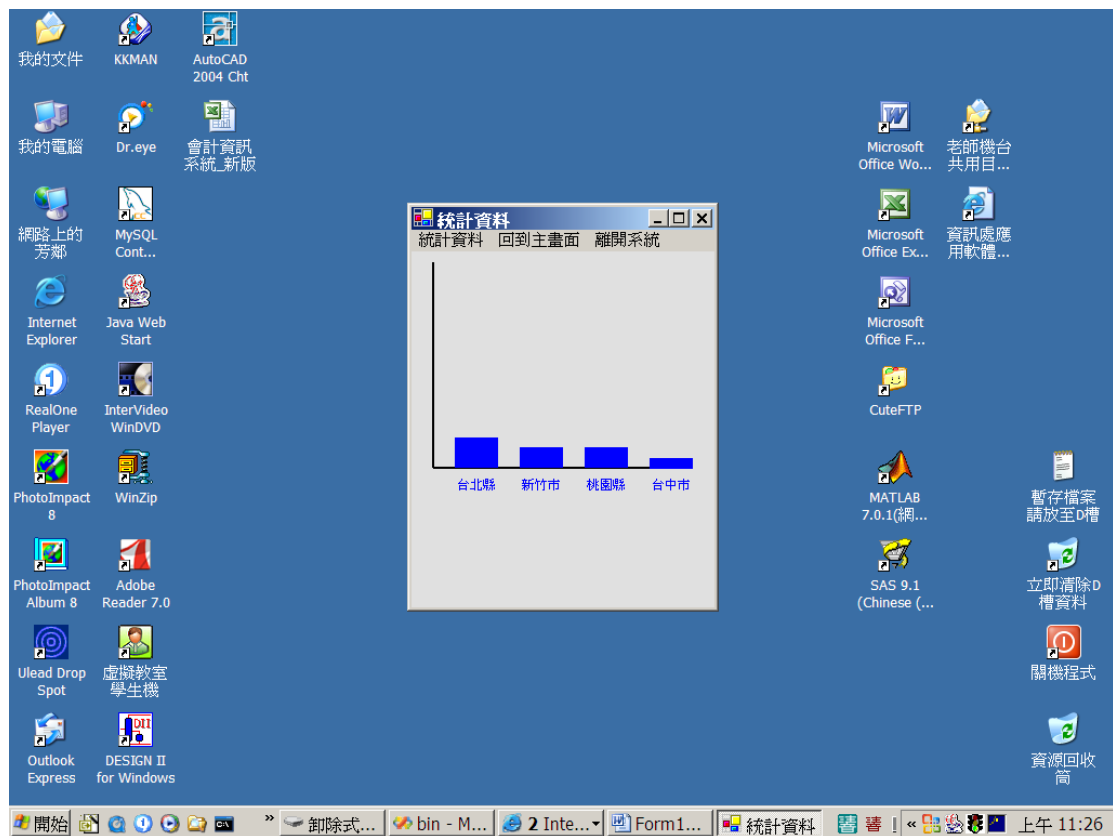
四、修改資料的執行畫面



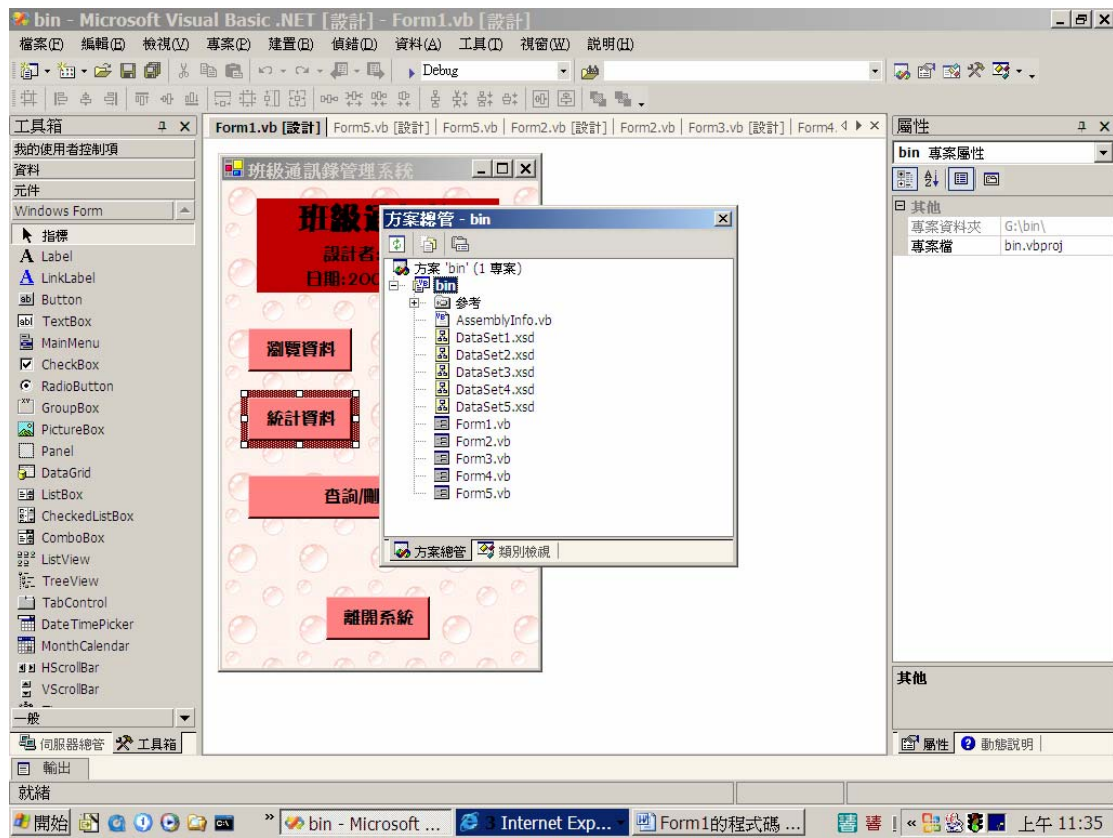
五、統計資料的執行畫面



應用程式設計



六、方案總管



七、班級通訊錄管理系統的程式碼

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    Dim form21 As New Form2 '點選之後可以從首頁進入到瀏覽資料的表單'
    form21.Show()
    Me.Hide()
End Sub
```

```
Private Sub Form1_Closed(ByVal sender As Object, ByVal e As System.EventArgs) Handles MyBase.Closed
    End '關閉'
End Sub
```

```
Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button6.Click
    End '點選離開系統及可離開'
End Sub
```

```
Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click
    Dim form31 As New Form3 '點選之後即可從首頁進入到查詢/刪除資料的表單'
    form31.Show()
    Me.Hide()
End Sub
```

```
Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
    Dim form41 As New Form4 '點選之後即可從首頁進入到修改資料的表單'
    form41.Show()
    Me.Hide()
End Sub
```

```
Private Sub Button7_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button7.Click
```

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```
Dim form51 As New Form5 '點選之後即可從首頁進入到統計資料的表單'  
form51.Show()  
Me.Hide()  
End Sub  
  
End Class
```



八、瀏覽資料的程式碼

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As  
System.EventArgs) Handles Button1.Click  
    Dim form11 As New Form1 '回到主畫面'  
    form11.Show()  
    Me.Hide()  
End Sub
```

```
Private Sub Form2_Closed(ByVal sender As Object, ByVal e As  
System.EventArgs) Handles MyBase.Closed  
    End '離開'  
End Sub
```

```
Private Sub Form2_Load(ByVal sender As System.Object, ByVal e As  
System.EventArgs) Handles MyBase.Load  
    OleDbDataAdapter1.Fill(DataSet11) '產生資料集'  
End Sub
```

```
Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As  
System.EventArgs) Handles Button6.Click  
    End '點選離開系統即可離開'  
End Sub
```

九、查詢/刪除資料的程式碼

```
Dim 已查詢 As Integer
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Dim q1 As String '查詢資料.輸入姓名點查詢按鈕即可查詢到所需資料'
        q1 = "select * from 資料表 where 姓名='" + TextBox1.Text +
        """"
        DataSet21.Clear()

        OleDbDataAdapter1.SelectCommand.CommandText = q1
        OleDbDataAdapter1.Fill(DataSet21)

        If DataSet21.Tables(0).Rows.Count > 0 Then '如果輸入錯誤或資料裡沒有此姓名將無法顯示查詢資料'
            TextBox2.Text = DataSet21.Tables(0).Rows(0)(7)
            TextBox3.Text = DataSet21.Tables(0).Rows(0)(4)
            TextBox4.Text = DataSet21.Tables(0).Rows(0)(1)
            TextBox5.Text = DataSet21.Tables(0).Rows(0)(6)
            TextBox6.Text = DataSet21.Tables(0).Rows(0)(2)
            TextBox7.Text = DataSet21.Tables(0).Rows(0)(0)
        Else
            Label8.Text = "無符合的資料" '查詢錯誤或沒有輸入姓名會出現這樣的文字'
        End If
    End Sub

    Private Sub Form3_Closed(ByVal sender As Object, ByVal e As System.EventArgs) Handles MyBase.Closed
        End '離開'
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
        Dim form11 As New Form1 '回到主畫面'
        form11.Show()
        Me.Hide()
    End Sub
```


應用程式設計

```
End Sub
```

```
Private Sub Form3_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
OleDbDataAdapter1.Fill(DataSet21) '產生資料集'
```

```
End Sub
```

```
Private Sub TextBox1_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles TextBox1.KeyPress
```

```
If Asc(e.KeyChar) = 13 Then '查詢資料.輸入姓名按Enter鍵即可查詢到所需資料'
```

```
Dim q1 As String
```

```
q1 = "select * from 資料表 where 姓名='" + TextBox1.Text +
```

```
""
```

```
DataSet21.Clear()
```

```
OleDbDataAdapter1.SelectCommand.CommandText = q1
```

```
OleDbDataAdapter1.Fill(DataSet21)
```

```
If DataSet21.Tables(0).Rows.Count > 0 Then
```

```
TextBox2.Text = DataSet21.Tables(0).Rows(0)(7)
```

```
TextBox3.Text = DataSet21.Tables(0).Rows(0)(4)
```

```
TextBox4.Text = DataSet21.Tables(0).Rows(0)(1)
```

```
TextBox5.Text = DataSet21.Tables(0).Rows(0)(6)
```

```
TextBox6.Text = DataSet21.Tables(0).Rows(0)(2)
```

```
TextBox7.Text = DataSet21.Tables(0).Rows(0)(0)
```

```
已查詢 = 1
```

```
Else
```

```
Label8.Text = "無符合的資料" '輸入無效值會出現此字串'
```

```
已查詢 = 0
```

```
End If
```

```
End If
```

```
End Sub
```

```
Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
```

```
TextBox1.Text = "" '點選清空之後將會把所有資料清空'
```

```
TextBox2.Text = ""
```

```
TextBox3.Text = ""
```

應用程式設計

```
        TextBox4.Text = ""
        TextBox5.Text = ""
        TextBox6.Text = ""
        TextBox7.Text = ""
        Label8.Text = ""
    End Sub

    Private Sub Button6_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles Button6.Click
        End '點選離開系統及可離開'
    End Sub

    Private Sub Button4_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles Button4.Click
        If 已查詢 = 0 Then
            MsgBox("你尚未查詢!", MsgBoxStyle.Information, "系統提示")
'如未查詢資料會告知你尚未查詢'
            Return
        End If

        Dim q0, q1 As String '刪除資料'
        q0 = "select * from 資料表"
        q1 = "delete from 資料表 where 姓名='" + TextBox1.Text + "'"

        OleDbDataAdapter1.DeleteCommand.CommandText = q1
        OleDbDataAdapter1.DeleteCommand.Connection.Open()
        OleDbDataAdapter1.DeleteCommand.ExecuteNonQuery()
        OleDbDataAdapter1.DeleteCommand.Connection.Close()

        MsgBox("資料已刪除!", MsgBoxStyle.Information, "查詢/刪除資料
資料") '資料以刪除會告知資料已刪除'
        DataSet21.Clear()
        OleDbDataAdapter1.Fill(DataSet21)
        OleDbDataAdapter1.DeleteCommand.CommandText = q0

        TextBox1.Text = "" '刪除後資料會清空'
        TextBox2.Text = ""
        TextBox3.Text = ""
```

應用程式設計

```
TextBox4.Text = ""  
TextBox5.Text = ""  
TextBox6.Text = ""  
TextBox7.Text = ""  
Label8.Text = ""  
已查詢 = 0
```

```
End Sub
```

```
End Class
```



十、修改資料的程式碼

```
Dim 已查詢 As Integer
Private Sub Form4_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    OleDbDataAdapter1.Fill(DataSet1) '產生資料集'
    已查詢 = 0
End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    If 已查詢 = 0 Then
        MsgBox("你尚未查詢!", MsgBoxStyle.Information, "修改資料")
        '如未查詢資料會告知你尚未查詢'
        Return
    End If
    Dim q1 As String '修改資料'
    q1 = "update 資料表 set 學號='" + TextBox2.Text + "',性別='" +
    TextBox3.Text + "',生日='" + TextBox4.Text + "',電話='" + TextBox5.Text
    + "',地址='" + TextBox6.Text + "' where 姓名='" + TextBox1.Text + "'"
    OleDbDataAdapter1.UpdateCommand.CommandText = q1
    OleDbDataAdapter1.UpdateCommand.Connection.Open()
    OleDbDataAdapter1.UpdateCommand.ExecuteNonQuery()
    OleDbDataAdapter1.UpdateCommand.Connection.Close()
    MsgBox("已更新成功!", MsgBoxStyle.Information, "修改資料") '
    直接更改後點選更新按鈕將會告知已更新成功'
End Sub

Private Sub Form4_Closed(ByVal sender As Object, ByVal e As
System.EventArgs) Handles MyBase.Closed
    End '離開'
End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
    Dim form1 As New Form1 '回到主畫面'
    form1.Show()
    Me.Hide()
```

應用程式設計

End Sub

```
Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
```

```
    TextBox1.Text = "" '點選清空之後將會把所有資料清空'
```

```
    TextBox2.Text = ""
```

```
    TextBox3.Text = ""
```

```
    TextBox4.Text = ""
```

```
    TextBox5.Text = ""
```

```
    TextBox6.Text = ""
```

```
    TextBox7.Text = ""
```

```
    Label8.Text = ""
```

```
    已查詢 = 0
```

End Sub

```
Private Sub TextBox1_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles TextBox1.KeyPress
```

```
    If Asc(e.KeyChar) = 13 Then '查詢資料.輸入姓名按Enter鍵即可查詢到所需資料'
```

```
        Dim q1 As String
```

```
        q1 = "select * from 資料表 where 姓名='" + TextBox1.Text +
```

```
        ""
```

```
        DataSet11.Clear()
```

```
        OleDbDataAdapter1.SelectCommand.CommandText = q1
```

```
        OleDbDataAdapter1.Fill(DataSet11)
```

```
    If DataSet11.Tables(0).Rows.Count > 0 Then
```

```
        TextBox2.Text = DataSet11.Tables(0).Rows(0)(2)
```

```
        TextBox3.Text = DataSet11.Tables(0).Rows(0)(4)
```

```
        TextBox4.Text = DataSet11.Tables(0).Rows(0)(5)
```

```
        TextBox5.Text = DataSet11.Tables(0).Rows(0)(7)
```

```
        TextBox6.Text = DataSet11.Tables(0).Rows(0)(6)
```

```
        TextBox7.Text = DataSet11.Tables(0).Rows(0)(8)
```

```
        已查詢 = 1
```

```
    Else
```

```
        Label8.Text = "無符合的資料" '輸入無效值會出現此字串'
```

```
        已查詢 = 0
```

```
    End If
```

應用程式設計

```
        End If
    End Sub

    Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button6.Click
        End '點選離開系統及可離開'
    End Sub
End Class
```



十一、統計資料的程式碼

```
Dim 男生人數, 女生人數 As Integer
    Dim 城市名稱() = {"台北縣", "新竹市", "桃園縣", "台中市"}
    Dim 城市人數() = {0, 0, 0}
Private Sub Form5_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    OleDbDataAdapter1.Fill(DataSet41) '產生資料集'

    男生人數 = 0
    女生人數 = 0

    Dim i, j As Integer

    For i = 1 To DataSet41.Tables(0).Rows.Count
        If DataSet41.Tables(0).Rows(i - 1)(4) = "男" Then
            男生人數 += 1
        Else
            女生人數 += 1
        End If
    Next

    For i = 1 To DataSet41.Tables(0).Rows.Count
        For j = 0 To 3
            If Mid(DataSet41.Tables(0).Rows(i - 1)(7), 1, 3) = 城
市名稱(j) Then
                城市人數(j) += 1
            End If
        Next
    Next

End Sub

Private Sub Form5_Closed(ByVal sender As Object, ByVal e As
System.EventArgs) Handles MyBase.Closed
    End '離開'
End Sub
```

應用程式設計

```
Private Sub MenuItem5_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles MenuItem5.Click
    Dim form11 As New Form1 '回到主畫面'
    form11.Show()
    Me.Hide()
End Sub
```

```
Private Sub MenuItem2_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MenuItem2.Click
```

```
    Dim 男生比例, 女生比例 As Single '點選依性別區分後會出現圓餅圖
顯示男女的比例'
```

```
    男生比例 = 男生人數 / (男生人數 + 女生人數)
```

```
    女生比例 = 1 - 男生比例
```

```
    Dim g1 As Graphics
    g1 = Me.CreateGraphics
```

```
    Dim b1, b2 As Brush
```

```
    b1 = Brushes.Blue
```

```
    b2 = Brushes.Red
```

```
    g1.Clear(Me.BackColor)
```

```
    g1.FillPie(b1, 50, 50, 150, 150, 270, 360 * 男生比例)
```

```
    g1.FillPie(b2, 50, 50, 150, 150, 270 + 360 * 男生比例, 360 * 女
生比例)
```

```
    g1.FillRectangle(b1, 210, 50, 40, 20)
```

```
    g1.FillRectangle(b2, 210, 80, 40, 20)
```

```
    g1.DrawString("男生", Me.Font, Brushes.Black, 255, 50)
```

```
    g1.DrawString("女生", Me.Font, Brushes.Black, 255, 80)
```

```
    g1.Dispose()
```

```
End Sub
```

```
Private Sub MenuItem3_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles MenuItem3.Click
```


應用程式設計

```
Dim i, y, h As Integer '點選依城市區分後會出現長條圖顯示居住城市的比例'
```

```
Dim g1 As Graphics  
g1 = Me.CreateGraphics
```

```
Dim p1 As Pen  
p1 = New Pen(Color.Black, 2)
```

```
Dim b1 As Brush  
b1 = Brushes.Blue
```

```
g1.Clear(Me.BackColor)
```

```
g1.DrawLine(p1, 20, 10, 20, 200)  
g1.DrawLine(p1, 20, 200, 260, 200)
```

```
For i = 0 To 3  
    y = 200 - Int(190 * 城市人數(i) / 20)  
    h = (190 * 城市人數(i) / 20)  
    g1.FillRectangle(b1, 40 + 60 * i, y, 40, h)  
    g1.DrawString(城市名稱(i), Me.Font, b1, 40 + 60 * i, 210)  
Next
```

```
g1.Dispose()
```

```
End Sub
```

```
Private Sub MenuItem6_Click(ByVal sender As Object, ByVal e As  
System.EventArgs) Handles MenuItem6.Click
```

```
End '點選離開系統即可離開'
```

```
End Sub
```

```
End Class
```

十二、心得：

經過這一學期的期間，在每個禮拜 3 堂應用程式設計的課程中，學到了一些較為實用的程式，比如：應用在菜單上、計算分數、猜謎遊戲、彈力球；尤其是小孩子玩的接球遊戲更是利用彈力球的延伸。製作的班級通訊錄更是一個很實用的東西，將個人的基本資料做成了一個資料表，在利用此資料表做成表單，可瀏覽資料、查詢或刪除資料、修改資料，也可繪圖做成統計資料圖之用。因為以前都沒有學過 VB，因此經過一個學期的學習，覺得自己學到很多以前所不知道的事，也對電腦不在那麼陌生與害怕，知道了電腦原來也可以這麼有趣。不過面對電腦就一竅不通的我，竟然可以將 VB 學的還不錯，如果還可以繼續學，我希望能夠在學點實用的東西，但也希望能夠是我所能理解的。在學習當中，雖然覺得學習是有趣的，但還是會害怕考試；可是，沒有想到的是，在此課程期中考時，因為能夠理解，所以準備起來也較為輕鬆多了，面對考試的內容也可以很熟悉的寫入正確的程式。然而，在一開始面對 VB 時，其實還有點怕怕的，為什麼會說我自己對電腦一竅不通呢？並不是我是一個電腦白痴，而是在大一的時候，我曾因 C 語言吃過許多的苦頭，所以自此之後，我對電腦的信心可說是失去一半了！想不到的是，把 VB 學的還不錯的我，面對電腦的信心可說是吃了大補丸了！現在的我，面對電腦開始懂的理解，也讓自己充實不少了。





