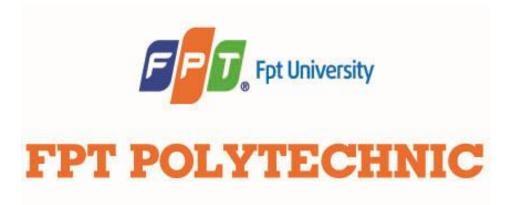
# TRƯỜNG CAO ĐẮNG THỰC HÀNH FPT



# **BÁO CÁO ASSIGNMENT**

GIÁO VIÊN: Lê Văn Phụng

HỌ VÀ TÊN SINH VIÊN: Đinh Văn Thái

MÃ SỐ SINH VIÊN: PS02890

LÓP: PT10301

TP Hồ CHÍ MINH - 2016



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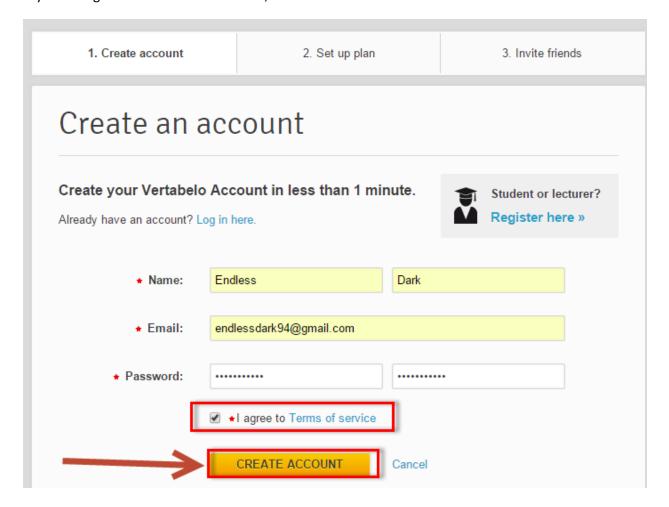
# I. Xây dựng một Database trên Vertabelo.com

Vào trang <a href="https://www.vertabelo.com/">https://www.vertabelo.com/</a>

Chọn Sign Up

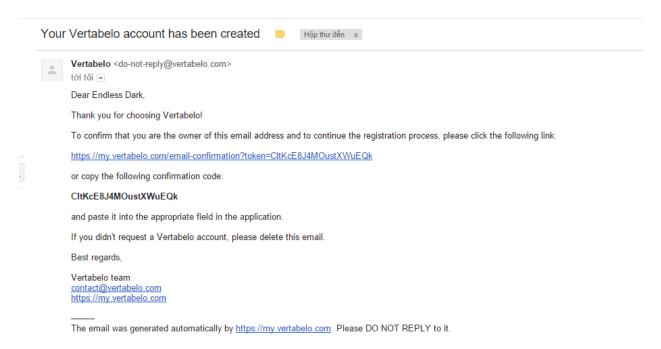


Điền đầy đủ thông tin & check vào điều khoản, ấn Create Account

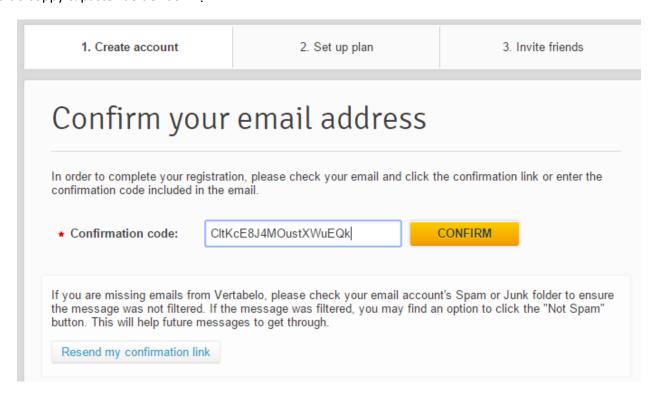




#### Check email để lấy Code

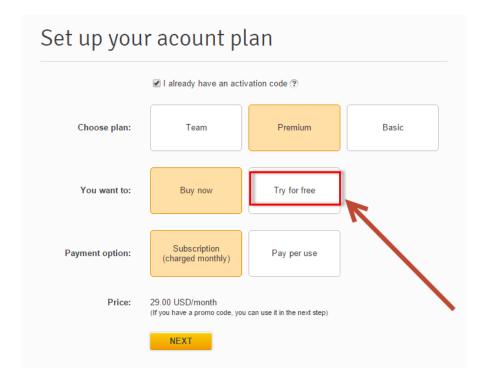


#### Sau đó coppy & paste vào để xác nhận

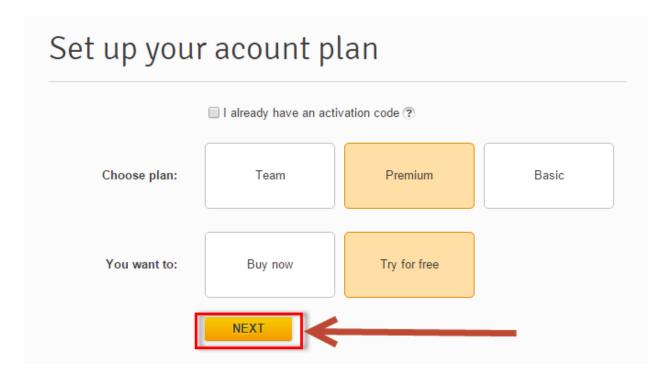




## Chọn Try for Free

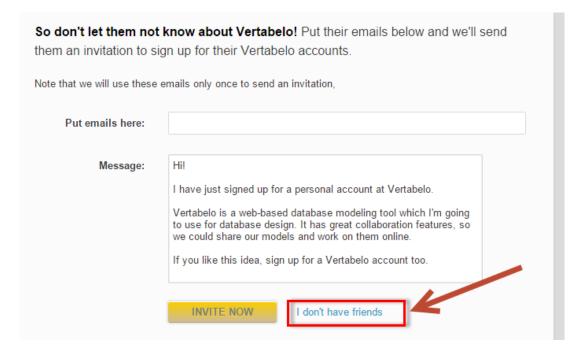


#### Ấn Next





#### Chon I don't have friends

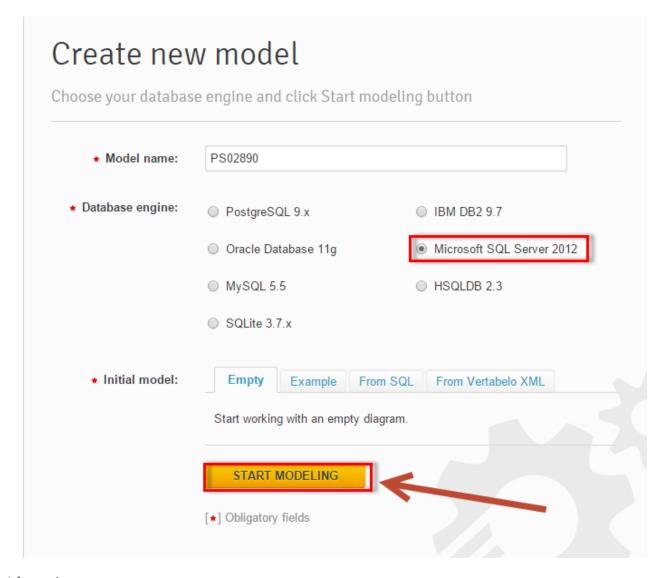


#### Ấn vào Create new model trên Dashboard

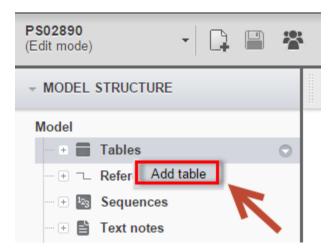




Chọn Tên Model, chọn ngôn ngữ SQL Server 2012 & ấn Start Modeling



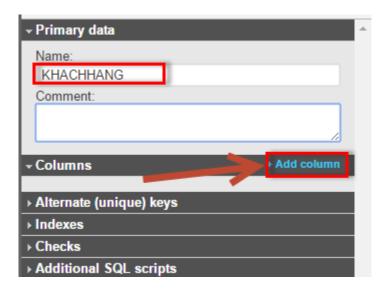
Tạ bảng mới



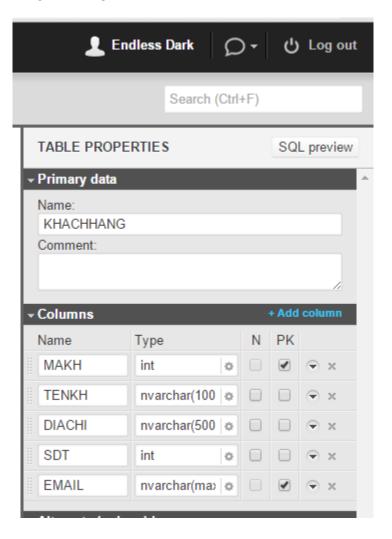


# 1. Tạo bảng khách hàng

Ấn Add Column để tiến hành tạo các cột cho bảng

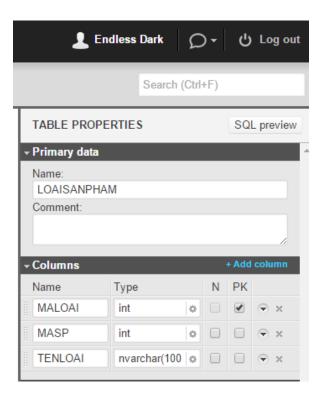


Tạo các cột cho bảng khách hàng như trong hình

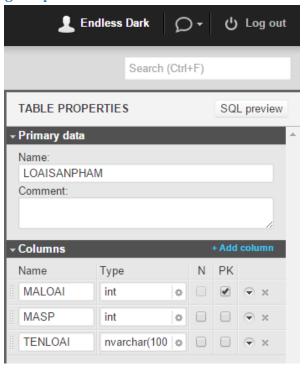




# 2. Tạo bảng loại sản phẩm

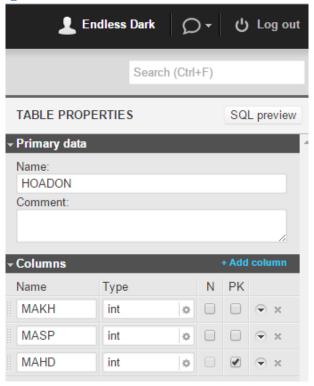


## 3. Tạo bảng sản phẩm

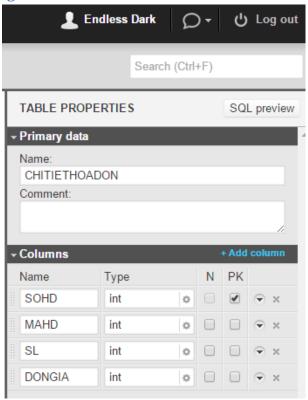




# 4. Tạo bảng hóa đơn



## 5. Tạo bảng chi tiết hóa đơn



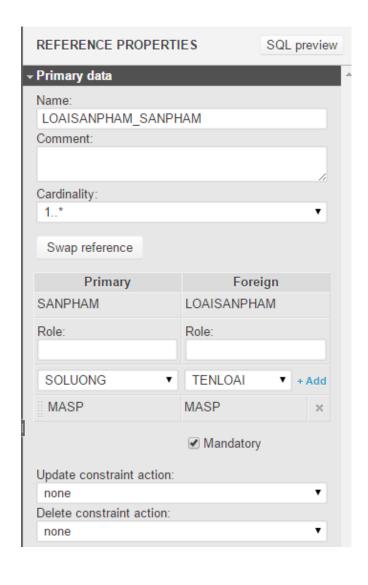


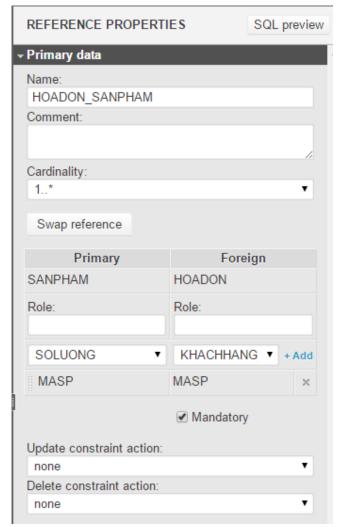
# 6. Thiế lập quan hệ giữa các bảng

Ấn vào công cụ tạo liên kết

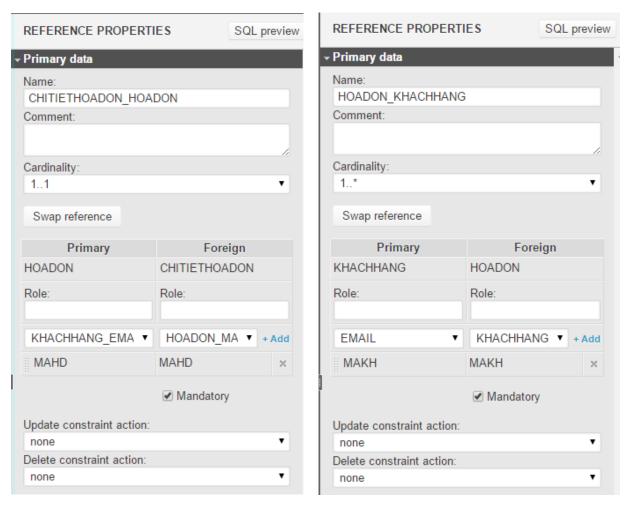


Tiến hành tạo liên kết

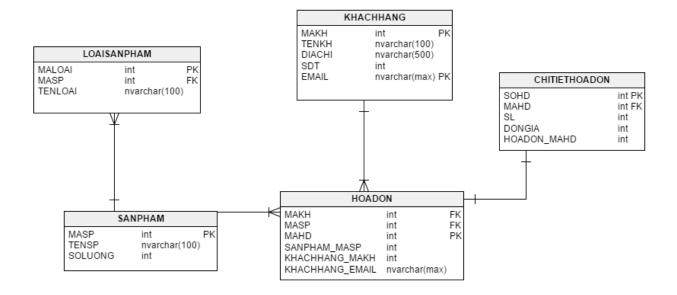








Sau khi tạo ta được sơ đồ, tiến hành xóa bớt các cột tự tạo ra



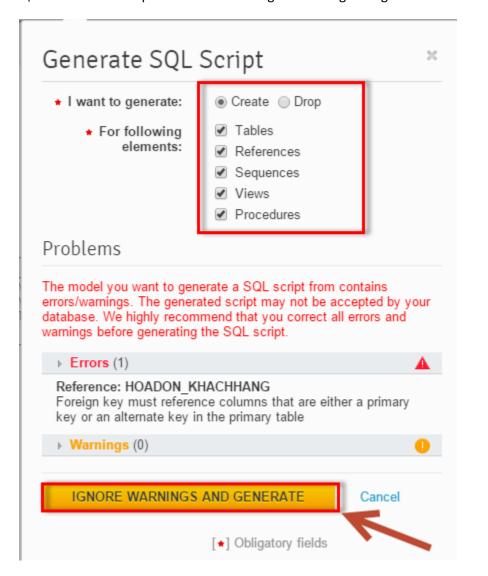


#### 7. Xuất File SQL

Chọn biểu tượng SQL trên thanh công cụ



Chọn Create, check chọn tất cả các thành phần như hình & ấn Igore warnings and generate





Tiến hành Download file SQL về máy



#### 8. Thêm dữ liệu

Mở SQL Server 2012 & tiến hành Import file SQL

Sau đó chạy code tạo Database

```
PS02890_create.sql...RK\EndlesDark (54))* ×

--- Created by Vertabelo (http://vertabelo.com)

-- Last modification date: 2016-01-23 07:51:20.421

--- CREATE DATABASE

USE PS02890

G0
```

Sau đó chạy toàn bộ code

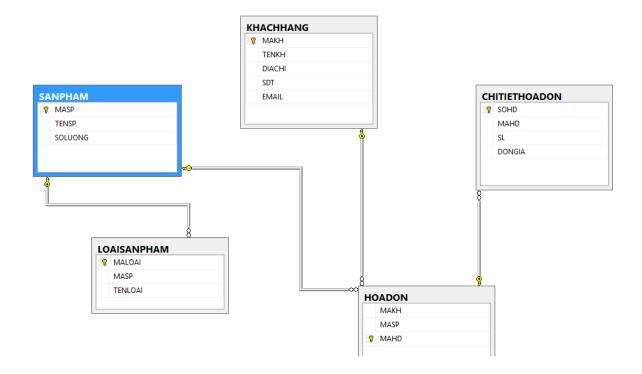
```
PS02890_create.sql...RK\EndlesDark (54))* ×

─ -- tables

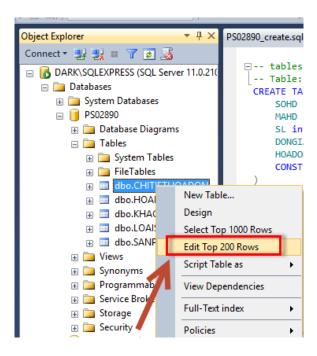
    -- Table: CHITIETHOADON
    CREATE TABLE CHITIETHOADON (
        SOHD int NOT NULL,
        MAHD int NOT NULL,
        SL int NOT NULL,
        DONGIA int NOT NULL,
        HOADON MAHD int NOT NULL,
        CONSTRAINT CHITIETHOADON_pk PRIMARY KEY (SOHD)
     -- Table: HOADON
     CREATE TABLE HOADON (
        MAKH int NOT NULL,
        MASP int NOT NULL,
        MAHD int NOT NULL,
        SANPHAM_MASP int NOT NULL,
         KHACHHANG_MAKH int NOT NULL,
         KHACHHANG_EMAIL nvarchar(200) NOT NULL,
        CONSTRAINT HOADON_pk PRIMARY KEY (MAHD)
100 %
Messages
   Command(s) completed successfully.
```



Kiểm tra Diagram



Sau đó mở tửng bảng trong Database mới tạo để thêm dữ liệu





# Cập nhật dữ liệu bảng KHACHHANG

	MAKH	TENKH	DIACHI	SDT	EMAIL
	111	Lệnh Hồ Sung	Campuchia	978957875	lenhhs@gmail.com
	222	Lý Mạc Sầu	Hoa Quả Sơn	909090900	lymacsau_dungdaucau@gmail.com
	333	Dương Quá	Động Cô Cô	122756433	quanhinumber1@gmail.com
	444	Hồng Thất Công	Cái Bang	123456789	an_may_dep_zai@gmail.com
	555	Nhậm Ngã Hành	Lào	1224867721	nnhlaos@gmail.com
,	NULL	NULL	NULL	NULL	NULL

# **Bảng SANPHAM**

MASP	TENSP	SOLUONG
211	Ý Thiên Kiếm	30
212	Đồ Long Đao	15
213	Đả Cẩu Bổng	40
214	Quỳ Hoa Bảo Điển	5
215	Độc Cô Kiếm Phổ	2
NULL	NULL	NULL

# **Bảng LOAISANPHAM**

SQLQuery1.sql - DAK\EndlesDark (55))		K\EndlesDark (55))	DARK\SQLEXPRESdbo.LOAISANPHAM ×	
	MALOAI	MASP	TENLOAI	
	311	211	Bảo kiếm	
	312	212	Bảo đao	
	313	213	Hổ phách đoản côn	
	314	214	Mật tịch võ công	
	315	215	Mật tịch võ công	
be.	NUU	NULL	NI II I	



# Bảng HOADON

	DARK\	SQLEXPRESS890 -	dbo.HOADON ×	DARK\SQLEXPRES
ı		MAKH	MASP	MAHD
		111	211	411
		112	212	412
		113	213	413
		114	214	414
		115	215	415
	Þ#	NULL	NULL	NULL
п				

# Bảng CHITIETHOADON

	SOHD	MAHD	SL	DONGIA	
	511	411	4	50000000	
	512	412	12	45000000	
	513	413	2	76000000	
	514	414	1	120000000	
	515	415	5	30000000	
þ#	NULL	NULL	NULL	NULL	



# II. Xây dưng ứng dung kết nối Cloud Database

#### 1. Class SQLControl.vb

```
Imports System.Data.SqlClient
Public Class SQLControl
   Public Shared Sqlconstring As String = "Data Source=SQL5014.HostBuddy.com;Initial
Catalog=DB_9F48E8_ps02890;User Id=DB_9F48E8_ps02890_admin;Password=Aquarius1;"
```

#### 2. Form đăng nhập

#### a) Giao diện



```
Imports System.Data
Imports System.Data.SqlClient
Imports System.IO
Imports System.Text
Imports System.Net.NetworkInformation
Public Class frmLogin
   Private Sub btnLogin_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnLogin.Click
        ConnectToSQL()
   End Sub
   Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnExit.Click
        'hiện messagebox với 2 nút lệnh yes/no khi ấn thoát
        Dim result As Integer = MessageBox.Show("Thoát chương trình?", "ED Smart Manager", MessageBoxButtons.YesNo)
        'chương trình đóng khi ấn Yes & quay trở lại của sổ đăng nhập nếu ấn No
        If result = DialogResult.Yes Then
            Me.Close()
        Fnd Tf
   End Sub
```



```
Private Sub ConnectToSQL()
        Dim con As New SqlConnection
        Dim cmd As New SqlCommand
        Dim Password As String
        Dim Password2 As String
        Dim userName As String
        Try
            'change the data source and initial catalog according to your sql server engine and data base
            con.ConnectionString = SQLControl.Sqlconstring
            con.Open()
            cmd.Connection = con
            'change the data fields names and table according to your database
            cmd.CommandText = " SELECT userID, userPWD FROM Admin WHERE (userID = '" & txtUsername.Text & "'
) AND (userPWD = '" & txtPassword.Text & "')"
            Dim lrd As SqlDataReader = cmd.ExecuteReader()
            If 1rd.HasRows Then
                While lrd.Read()
                    'Do something here
                    Password = lrd("userID").ToString()
                    userName = lrd("userPWD").ToString()
                    Password2 = txtPassword.Text()
                    If Password = Password2 And userName = txtUsername.Text Then
                        MessageBox.Show("Logged in successfully as " & userName, "", MessageBoxButtons.OK,
MessageBoxIcon.Information
                        Savelog()
                        frmLoading.Show()
                        Me.Hide()
                        'Clear all fields
                        txtPassword.Text = ""
                        txtUsername.Text = ""
                    End If
                End While
                MessageBox.Show("Username and Password do not match...", "Authentication Failure",
MessageBoxButtons.OK, MessageBoxIcon.Exclamation)
                'Clear all fields
                txtPassword.Text = ""
                txtUsername.Text = ""
            End If
        Catch ex As Exception
            MessageBox.Show("Error while connecting to SQL Server." & ex.Message)
        Finally
            con.Close() 'Whether there is error or not. Close the connection.
        End Try
    End Sub
```



```
Sub Savelog() 'lưu lịch sử đăng nhập
        Dim hostname As String
        Dim ip As String
        Dim MAC As String
        Dim user As String = txtUsername.Text
        hostname = System.Net.Dns.GetHostName()
        ip = MyIP WinHTTP()
        MAC = getMacAddress()
        Dim con As New SqlConnection
        Dim cmd As New SqlCommand
        Try
             con.ConnectionString = SQLControl.Sqlconstring
             con.Open()
             cmd.Connection = con
cmd.CommandText = "INSERT INTO LoginHistory (time, userID, username, hostname, ip, mac) values ('" +
DateTime.Now.ToString + "','" + txtUsername.Text + "','" + user + "','" + hostname + "','" + ip + "','" + MAC +
"')"
             cmd.ExecuteNonQuery()
        Catch ex As Exception
             MessageBox.Show("Error while saving Login History Log..." & ex.Message, "Insert Records")
         End Try
    End Sub
    Function MyIP_WinHTTP() 'API check IP Adress
        Dim objHTTP, strURL
        MyIP_WinHTTP = "0.0.0.0"
        strURL = "http://tools.feron.it/php/ip.php"
        objHTTP = CreateObject("WinHttp.WinHttpRequest.5.1")
        objHTTP.Open("GET", strURL)
         objHTTP.Send()
         If objHTTP.Status = 200 Then MyIP_WinHTTP = objHTTP.ResponseText
        objHTTP = Nothing
    End Function
    Function getMacAddress() 'Hàm check MAC Adress
        Dim nics() As NetworkInterface = NetworkInterface.GetAllNetworkInterfaces()
         Return nics(0).GetPhysicalAddress.ToString
    End Function
End Class
```



## 3. Form Loading

## a) Giao diện



#### b) Mã nguồn

```
Public Class frmLoading

'Đồng hồ đếm giá trị để chạy Progress Bar

Private Sub Timer1_Tick(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles tmrLoading.Tick

'Khi đồng hồ chạy đến giá trị 100 sẽ hiến thị form giao diện chính của phần mềm & ẩn form loading phần mềm prbLoading.Increment(1)

If prbLoading.Value = 100 Then

frmMain.Show()

Me.Hide()

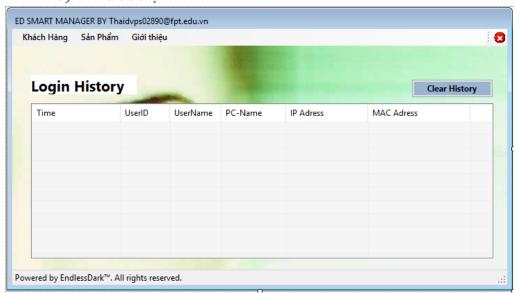
End If

End Sub

End Class
```

#### 4. Form Main

#### a) Giao diên





```
Imports System.Data.SqlClient
Public Class frmMain
    Private Sub ThoátToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
mniExit.Click
        'hiện messagebox với 2 nút lệnh yes/no khi ấn thoát
        Dim result As Integer = MessageBox.Show("Thoát chương trình?", "ED Smart Manager", MessageBoxButtons.YesNo)
        'chương trình đóng khi ấn Yes & quay trở lại của sổ đăng nhập nếu ấn No
        If result = DialogResult.Yes Then
            Me.Close()
            Me.Close()
            frmLogin.Close()
            frmLoading.Close()
        End If
    End Sub
    Private Sub frmMain_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        lvwhistory.Items.Clear()
        Dim con As New SqlConnection
        Dim cmd As New SqlCommand
        con.ConnectionString = SQLControl.Sqlconstring
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "SELECT * FROM LoginHistory ORDER BY time desc"
        Dim dr As SqlDataReader = cmd.ExecuteReader()
        Do While dr.Read()
            Dim new_item As New
     ListViewItem(dr.Item("time").ToString)
            new_item.SubItems.Add(dr.Item("userID").ToString)
            new_item.SubItems.Add(dr.Item("username").ToString)
            new_item.SubItems.Add(dr.Item("hostname").ToString)
new_item.SubItems.Add(dr.Item("ip").ToString)
            new_item.SubItems.Add(dr.Item("mac").ToString)
            lvwhistory.Items.Add(new_item)
        Loop
        con.Close()
    End Sub
Private Sub btnClear Click(sender As Object, e As EventArgs) Handles btnClear.Click
        Dim result As Integer = MessageBox.Show("Clear History?", "ED Smart Manager", MessageBoxButtons.YesNo)
        If result = DialogResult.Yes Then
            Dim con As New SqlConnection
            Dim cmd As New SqlCommand
            Try
                con.ConnectionString = SQLControl.Sqlconstring
                con.Open()
                cmd.Connection = con
                cmd.CommandText = "DELETE FROM LoginHistory"
                cmd.ExecuteNonQuery()
            Catch ex As Exception
                MessageBox.Show("Error while clear record on table..." & ex.Message, "Clear Records")
            Finally
                con.Close()
                lvwhistory.Items.Clear()
            End Try
        End If
    End Sub
```

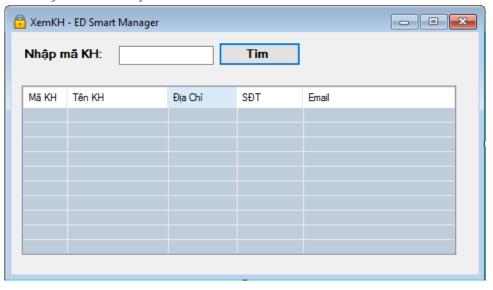


```
Private Sub mniHomepage_Click(sender As Object, e As EventArgs) Handles mniHomepage.Click
        Dim Home As String = "http://www.facebook.com/endlessdark94"
        Process.Start(Home)
    End Sub
    Private Sub mniAbout_Click(sender As Object, e As EventArgs) Handles mniAbout.Click
        Dim CT As String = "https://www.youtube.com/c/EndlessDarkMusique")
        Process.Start(CT)
    End Sub
    Private Sub mniReset_Click(sender As Object, e As EventArgs) Handles mniReset.Click
        frmXemKH.Show()
    End Sub
    Private Sub ToolStrip1_ItemClicked(sender As Object, e As ToolStripItemClickedEventArgs) Handles
ToolStrip1.ItemClicked
    End Sub
    Private Sub ToolStripButton1_Click(sender As Object, e As EventArgs) Handles tsbExitt.Click
        'hiện messagebox với 2 nút lệnh yes/no khi ấn thoát
        Dim result As Integer = MessageBox.Show("Thoát chương trình?", "ED SMart Manager", MessageBoxButtons.YesNo)
        'chương trình đóng khi ấn Yes & quay trở lại của sổ đăng nhập nếu ấn No
        If result = DialogResult.Yes Then
            Me.Close()
            Me.Close()
            frmLogin.Close()
            frmLoading.Close()
        End If
    End Sub
    Private Sub QuanLýKHToolStripMenuItem Click(sender As Object, e As EventArgs) Handles
QuảnLýKHToolStripMenuItem.Click
        frmQLKH.Show()
    End Sub
    Private Sub lvwhistory_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
lvwhistory.SelectedIndexChanged
    End Sub
    Private Sub mniSupp_Click(sender As Object, e As EventArgs) Handles mniSupp.Click
    End Sub
    Private Sub mniFunction Click(sender As Object, e As EventArgs) Handles mniFunction.Click
        frmXemSP.Show()
    End Sub
    Private Sub QuảnLýSảnPhẩmToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
QuảnLýSảnPhẩmToolStripMenuItem.Click
        frmQLSP.Show()
    End Sub
End Class
```



#### 5. Form XemKH

#### a) Giao diên



```
Imports System.Data.SqlClient
Public Class frmXemKH
    Private Sub XemKH_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        txtSearch.Select()
        XemKH()
    End Sub
    Private Sub btnSearch Click(sender As Object, e As EventArgs) Handles btnSearch.Click
        Dim con As New SqlConnection
        Dim cmd As New SqlCommand
        con.ConnectionString = SQLControl.Sqlconstring
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "select * from KHACHHANG where MAKH='" & txtSearch.Text & "'"
        Dim dr As SqlDataReader = cmd.ExecuteReader()
        Try
             If txtSearch.Text = "" Then
                 MessageBox.Show("Ban can nhập MAKH", "Nhập thiếu", MessageBoxButtons.OKCancel, MessageBoxIcon.Error)
             Else
                 If dr.HasRows Then
                     lvwXemKH.Items.Clear()
                     Do While dr.Read()
                         Dim new_item As New
                  ListViewItem(dr.Item("MAKH").ToString)
                         new_item.SubItems.Add(dr.Item("TENKH").ToString)
new_item.SubItems.Add(dr.Item("DIACHI").ToString)
                         new_item.SubItems.Add(dr.Item("SDT").ToString)
                         new_item.SubItems.Add(dr.Item("EMAIL").ToString)
                         lvwXemKH.Items.Add(new_item)
                     Loop
                 Else
                     MessageBox.Show("Không tìm thấy")
                     txtSearch.Text = Nothing
                 End If
            End If
             con.Close()
        Catch ex As Exception
        End Try
    End Sub
```

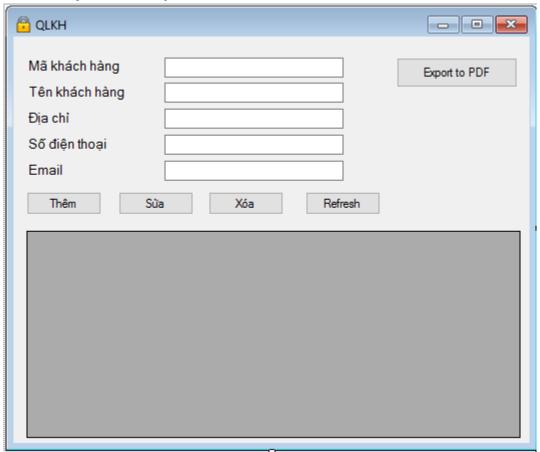


```
Private Sub txtSearch_TextChanged(sender As Object, e As EventArgs) Handles txtSearch.TextChanged
         If txtSearch.Text = "" Then
              XemKH()
         End If
    End Sub
    Sub XemKH()
         lvwXemKH.Items.Clear()
         Dim con As New SqlConnection
         Dim cmd As New SqlCommand
         con.ConnectionString = SQLControl.Sqlconstring
         con.Open()
         cmd.Connection = con
         cmd.CommandText = "SELECT * FROM KHACHHANG ORDER BY MAKH"
         Dim dr As SqlDataReader = cmd.ExecuteReader()
         Do While dr.Read()
              Dim new_item As New
      ListViewItem(dr.Item("MAKH").ToString)
              new_item.SubItems.Add(dr.Item("TENKH").ToString)
new_item.SubItems.Add(dr.Item("DIACHI").ToString)
new_item.SubItems.Add(dr.Item("SDT").ToString)
new_item.SubItems.Add(dr.Item("EMAIL").ToString)
              lvwXemKH.Items.Add(new_item)
         Loop
         con.Close()
         txtSearch.Focus()
    End Sub
    Private Sub lvwXemKH_SelectedIndexChanged(sender As Object, e As EventArgs) Handles lvwXemKH.SelectedIndexChanged
    End Sub
End Class
```



## 6. Form QLKH

#### a) Giao diện



```
Imports System.Data.DataTable
Imports System.Data.SqlClient
Imports iTextSharp
Imports iTextSharp.text.pdf
Imports iTextSharp.text
Imports System.Data.Odbc
Imports System.IO
Public Class frmQLKH
    Dim db As New DataTable
    Private Sub frmQLKH_Load(sender As Object, e As EventArgs) Handles MyBase.Load
         Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
Dim load As SqlDataAdapter = New SqlDataAdapter("select MAKH as 'Mã KH' ,TENKH as 'Tên Khách Hàng', DIACHI as 'Địa chỉ', SDT as 'SĐT', EMAIL from KHACHHANG", conn)
         conn.Open()
         load.Fill(db)
         dgvQLKH.DataSource = db.DefaultView
         conn.Close()
    End Sub
```



```
Private Sub dgvQLKH CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles
dgvQLKH.CellContentClick
       Dim click As Integer = dgvQLKH.CurrentRow.Index
       txtMAKH.Text = dgvQLKH.Item(0, click).Value
       txtTENKH.Text = dgvQLKH.Item(1, click).Value
       txtDIACHI.Text = dgvQLKH.Item(2, click).Value
       txtSDT.Text = dgvQLKH.Item(3, click).Value
       txtEMAIL.Text = dgvQLKH.Item(4, click).Value
    End Sub
   Private Sub btnRefresh_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click
        db.Clear()
       dgvQLKH.DataSource = db
       dgvQLKH.DataSource = Nothing
       LoadData()
   End Sub
    Private Sub LoadData()
       Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
       Dim load As SqlDataAdapter = New SqlDataAdapter("select MAKH as 'Mã KH' ,TENKH as 'Tên Khách Hàng', DIACHI
as 'Địa chỉ', SDT as 'SĐT', EMAIL from KHACHHANG", conn)
       conn.Open()
       load.Fill(db)
       dgvQLKH.DataSource = db.DefaultView
        conn.Close()
    End Sub
   Private Sub txtADD_Click(sender As Object, e As EventArgs) Handles txtADD.Click
       Dim result As Integer = MessageBox.Show("Xác nhận thêm tài khoản?", "ED Smart Manager",
MessageBoxButtons.YesNo)
       If result = DialogResult.Yes Then
            Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
            Dim query As String = "insert into KHACHHANG values(@MAKH,@TENKH,@DIACHI,@SDT,@EMAIL)"
            Dim save As SqlCommand = New SqlCommand(query, conn)
            conn.Open()
            Try
                txtMAKH.Focus()
                If txtMAKH.Text = "" Then
                    MessageBox.Show("Ban chưa nhập Mã Khách hàng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                Else
                    txtMAKH.Focus()
                    If txtTENKH.Text = "" Then
                        MessageBox.Show("Bạn chưa nhập tên khách hàng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                    Else
                        If txtDIACHI.Text = "" Then
                            MessageBox.Show("Ban chưa nhập đia chỉ", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                        Else
                            txtSDT.Focus()
                            If txtSDT.Text = "" Then
                                MessageBox.Show("Bạn chưa nhập số điện thoại", "Nhập thiếu",
MessageBoxButtons.OKCancel, MessageBoxIcon.Error)
                            Else
                                txtEMAIL.Focus()
                                If txtEMAIL.Text = "" Then
                                    MessageBox.Show("Ban chưa nhập email", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                                    txtEMAIL.Focus()
                                Else
```



```
save.Parameters.AddWithValue("@MAKH", txtMAKH.Text)
                                     save.Parameters.AddWithValue("@TENKH", txtTENKH.Text)
                                     save.Parameters.AddWithValue("@DIACHI", txtDIACHI.Text)
                                     save.Parameters.AddWithValue("@SDT", txtSDT.Text)
                                     save.Parameters.AddWithValue("@EMAIL", txtEMAIL.Text)
                                     save.ExecuteNonQuery()
                                     MessageBox.Show("Luu thanh cong")
                                     'Sau khi nhập thành công, tự động làm mới các khung textbox, combox và
date....
                                    txtMAKH.Text = Nothing
                                     txtTENKH.Text = Nothing
                                     txtDIACHI.Text = Nothing
                                     txtSDT.Text = Nothing
                                     txtEMAIL.Text = Nothing
                                 End If
                            End If
                        End If
                    End If
                End If
            Catch ex As Exception 'Ngược lại báo lỗi
                MessageBox.Show("Không được trùng mã khách hàng", "Lỗi", MessageBoxButtons.RetryCancel,
MessageBoxIcon.Error)
            End Try
        End If
        db.Clear()
        dgvQLKH.DataSource = db
        dgvQLKH.DataSource = Nothing
        LoadData()
    End Sub
    Private Sub btnEDIT_Click(sender As Object, e As EventArgs) Handles btnEDIT.Click
        Dim result As Integer = MessageBox.Show("Mã khách hàng (PR) không thể thay đổi, Xác nhận sửa tài khoản?",
"ED Smart Manager", MessageBoxButtons.YesNo)
        If result = DialogResult.Yes Then
            Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
            Dim updatequery As String = "update KHACHHANG set MAKH=@MAKH, TENKH=@TENKH, DIACHI=@DIACHI, SDT=@SDT,
EMAIL=@EMAIL where MAKH=@MAKH"
            Dim addupdate As SqlCommand = New SqlCommand(updatequery, conn)
            conn.Open()
            txtMAKH.Focus()
            If txtMAKH.Text = "" Then
                MessageBox.Show("Ban chưa nhập mã khách hàng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                txtMAKH.Focus()
                If txtTENKH.Text = "" Then
                    MessageBox.Show("Bạn chưa nhập tên khách hàng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                Else
                    txtTENKH.Focus()
                    If txtDIACHI.Text = "" Then
                        MessageBox.Show("Bạn chưa nhập địa chỉ khách hàng", "Nhập thiếu",
MessageBoxButtons.OKCancel, MessageBoxIcon.Error)
                    Else
                        txtDIACHI.Focus()
If txtSDT.Text = "" Then
                            MessageBox. Show ("Bạn chưa nhập số điện thoại", "Nhập thiếu",
MessageBoxButtons.OKCancel, MessageBoxIcon.Error)
                        Else
                            txtSDT.Focus()
                            If txtEMAIL.Text = "" Then
                                MessageBox.Show("Ban chưa nhập email", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                            Else
```



```
addupdate.Parameters.AddWithValue("@MAKH", txtMAKH.Text)
                                  addupdate.Parameters.AddWithValue("@TENKH", txtTENKH.Text) addupdate.Parameters.AddWithValue("@DIACHI", txtDIACHI.Text) addupdate.Parameters.AddWithValue("@SDT", txtSDT.Text)
                                  addupdate.Parameters.AddWithValue("@EMAIL", txtEMAIL.Text)
                                  addupdate.ExecuteNonQuery()
                                  conn.Close() 'đóng kết nối
                                  MessageBox.Show("Cập nhật thành công")
                                  txtMAKH.Focus()
                                  txtMAKH.Text = Nothing
                                  txtTENKH.Text = Nothing
                                  txtDIACHI.Text = Nothing
                                  txtSDT.Text = Nothing
                                  txtEMAIL.Text = Nothing
                              End If
                          Fnd Tf
                     End If
                 End If
             End If
             conn.Close()
             'Sau khi cập nhật xong sẽ tự làm mới lại bảng
             db.Clear()
             dgvQLKH.DataSource = db
             dgvQLKH.DataSource = Nothing
             LoadData()
        Fnd Tf
    End Sub
    Private Sub btnDEL Click(sender As Object, e As EventArgs) Handles btnDEL.Click
        Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
        Dim delquery As String = "delete from KHACHHANG where MAKH=@MAKH"
        Dim delete As SqlCommand = New SqlCommand(delquery, conn)
        Dim resulft As DialogResult = MessageBox.Show("Ban muon xoa không?", "Xác nhận", MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        conn.Open()
        Try
             If txtMAKH.Text = "" Then
                 MessageBox.Show("Bạn cần nhập mã khách hàng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                 txtMAKH.Focus()
             Else
                 If resulft = Windows.Forms.DialogResult.Yes Then
                     delete.Parameters.AddWithValue("@MAKH", txtMAKH.Text)
                     delete.ExecuteNonQuery()
                     conn.Close()
                     MessageBox.Show("Xóa thành công")
                      'Sau khi xóa thành công, tự động làm mới các khung textbox, combox và date....
                     txtMAKH.Text = Nothing
                     txtTENKH.Text = Nothing
                     txtDIACHI.Text = Nothing
                     txtSDT.Text = Nothing
                     txtEMAIL.Text = Nothing
                     txtMAKH.Focus()
                 End If
             Fnd Tf
        Catch ex As Exception
             MessageBox.Show("Nhập đúng mã khách hàng cần xóa", "Lỗi", MessageBoxButtons.RetryCancel,
MessageBoxIcon.Error)
        End Try
         'làm mới bảng
        db.Clear()
        dgvQLKH.DataSource = db
        dgvQLKH.DataSource = Nothing
        LoadData()
    End Sub
```



```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        SaveFileDialog1.ShowDialog()
        If SaveFileDialog1.FileName = "" Then
            MsgBox("Enter Filename to create PDF")
            Exit Sub
        Else
            ExportDataToPDFTable()
            MsgBox("PDF Created Successfully")
        End If
    End Sub
    Private Function GetDataTable() As DataTable
        Dim dataTable As New DataTable("MyDataTable")
        'Create another DataColumn Name
        Dim dataColumn_1 As New DataColumn(dgvQLKH.Columns(0).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn_1)
        Dim dataColumn_2 As New DataColumn(dgvQLKH.Columns(1).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn 2)
        Dim dataColumn_3 As New DataColumn(dgvQLKH.Columns(2).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn_3)
       Dim dataColumn_4 As New DataColumn(dgvQLKH.Columns(3).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn 4)
        Dim dataColumn_5 As New DataColumn(dgvQLKH.Columns(4).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn 5)
        'Now Add some row to newly created dataTable
        Dim dataRow As DataRow
        For i As Integer = 0 To dgvQLKH.Rows.Count - 1
            dataRow = dataTable.NewRow()
             Important you have create New row
            dataRow(dgvQLKH.Columns(0).HeaderText.ToString()) = dgvQLKH.Rows(i).Cells(0).Value.ToString()
            dataRow(dgvQLKH.Columns(1).HeaderText.ToString()) = dgvQLKH.Rows(i).Cells(1).Value.ToString()
            dataRow(dgvQLKH.Columns(2).HeaderText.ToString()) = dgvQLKH.Rows(i).Cells(2).Value.ToString()
            dataRow(dgvQLKH.Columns(3).HeaderText.ToString()) = dgvQLKH.Rows(i).Cells(3).Value.ToString()
            dataRow(dgvQLKH.Columns(4).HeaderText.ToString()) = dgvQLKH.Rows(i).Cells(4).Value.ToString()
            dataTable.Rows.Add(dataRow)
        Next
        dataTable.AcceptChanges()
        Return dataTable
    End Function
Private Sub ExportDataToPDFTable()
        Dim arial As BaseFont = BaseFont.CreateFont(
    "c:\windows\fonts\ARIAL.ttf", BaseFont.IDENTITY_H, BaseFont.EMBEDDED)
        Dim tittle As New Font(arial, 16, FontStyle.Bold, BaseColor.RED)
        Dim font12Bold As New Font(arial, 12, FontStyle.Bold, BaseColor.BLACK)
       Dim font12Normal As New Font(arial, 12, FontStyle.Regular, BaseColor.BLACK)
        Dim paragraph As New Paragraph
       Dim doc As New Document(iTextSharp.text.PageSize.A4, 40, 40, 40, 10)
        Dim wri As PdfWriter = PdfWriter.GetInstance(doc, New FileStream(SaveFileDialog1.FileName + ".pdf",
FileMode.Create))
        doc.Open()
```

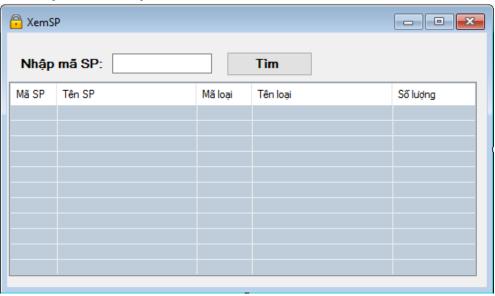


```
Dim p1 As New Phrase
        p1 = New Phrase(New Chunk("DANH SÁCH KHÁCH HÀNG", tittle))
        doc.Add(p1)
        'Create instance of the pdf table and set the number of column in that table
        Dim PdfTable As New PdfPTable(5)
        PdfTable.TotalWidth = 490.0F
        'fix the absolute width of the table
        PdfTable.LockedWidth = True
        'relative col widths in proportions - 1,4,1,1 and 1
        Dim widths As Single() = New Single() {0.5F, 1.5F, 1.5F, 1.2F, 3.2F}
        PdfTable.SetWidths(widths)
        PdfTable.HorizontalAlignment = 1 ' 0 --> Left, 1 --> Center, 2 --> Right
        PdfTable.SpacingBefore = 2.0F
        'ndfCell Decleration
        Dim PdfPCell As PdfPCell = Nothing
        'Assigning values to each cell as phrases
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Mã KH", font12Bold)))
        'Alignment of phrase in the pdfcell
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        'Add pdfcell in pdftable
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Tên KH", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Địa Chỉ", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Số Điện Thoại", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Email", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        Dim dt As DataTable = GetDataTable()
        If dt IsNot Nothing Then
            'Now add the data from datatable to pdf table
            For rows As Integer = 0 To dt.Rows.Count - 1
                For column As Integer = 0 To dt.Columns.Count - 1
                    PdfPCell = New PdfPCell(New Phrase(dt.Rows(rows)(column).ToString(), font12Normal))
                    If column = 0 Or column = 1 Then
                        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_LEFT
                        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_RIGHT
                    End If
                    PdfTable.AddCell(PdfPCell)
                Next
            Next
            'Adding pdftable to the pdfdocument
            doc.Add(PdfTable)
        End If
        doc.Close()
    End Sub
End Class
```



#### 7. Form XemSP

a) Giao diện



```
Imports System.Data.SqlClient
Public Class frmXemSP
    Private Sub frmXemSP_Load(sender As Object, e As EventArgs) Handles MyBase.Load
         XemSP()
    End Sub
    Sub XemSP()
         lvwXemSP.Items.Clear()
         Dim con As New SqlConnection
         Dim cmd As New SqlCommand
         con.ConnectionString = SQLControl.Sqlconstring
         con.Open()
         cmd.Connection = con
         cmd.CommandText = "select SANPHAM.MASP ,SANPHAM.TENSP, LOAISANPHAM.MALOAI, LOAISANPHAM.TENLOAI,
SANPHAM.SOLUONG from SANPHAM inner join LOAISANPHAM on SANPHAM.MASP = LOAISANPHAM.MASP"
         Dim dr As SqlDataReader = cmd.ExecuteReader()
         Do While dr.Read()
              Dim new_item As New
      ListViewItem(dr.Item("MASP").ToString)
              new_item.SubItems.Add(dr.Item("TENSP").ToString)
new_item.SubItems.Add(dr.Item("MALOAI").ToString)
new_item.SubItems.Add(dr.Item("TENLOAI").ToString)
new_item.SubItems.Add(dr.Item("SOLUONG").ToString)
              lvwXemSP.Items.Add(new_item)
          Loop
         con.Close()
         txtSearch2.Focus()
    End Sub
```

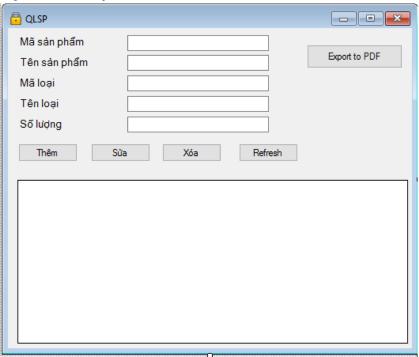


```
Private Sub btnSearch2_Click(sender As Object, e As EventArgs) Handles btnSearch2.Click
        Dim con As New SqlConnection
        Dim cmd As New SqlCommand
        con.ConnectionString = SQLControl.Sqlconstring
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "select SANPHAM.MASP ,SANPHAM.TENSP, LOAISANPHAM.MALOAI, LOAISANPHAM.TENLOAI,
SANPHAM.SOLUONG from SANPHAM inner join LOAISANPHAM on SANPHAM.MASP = LOAISANPHAM.MASP where SANPHAM.MASP='" &
txtSearch2.Text & "'"
        Dim dr As SqlDataReader = cmd.ExecuteReader()
        Try
             If txtSearch2.Text = "" Then
                 MessageBox.Show("Ban can nhap ma SP", "Nhap thieu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
            Else
                 If dr.HasRows Then
                     lvwXemSP.Items.Clear()
                     Do While dr.Read()
                         Dim new_item As New
                 ListViewItem(dr.Item("MASP").ToString)
                         new_item.SubItems.Add(dr.Item("TENSP").ToString)
                         new_item.SubItems.Add(dr.Item("MALOAI").ToString)
                         new_item.SubItems.Add(dr.Item("TENLOAI").ToString)
new_item.SubItems.Add(dr.Item("SOLUONG").ToString)
                         lvwXemSP.Items.Add(new_item)
                     Loop
                     MessageBox.Show("Không tìm thấy")
                     txtSearch2.Text = Nothing
                End If
            End If
            con.Close()
        Catch ex As Exception
        End Try
        txtSearch2.Focus()
    Private Sub txtSearch2_TextChanged(sender As Object, e As EventArgs) Handles txtSearch2.TextChanged
        If txtSearch2.Text = "" Then
            XemSP()
        End If
    End Sub
End Class
```



#### 8. Form QLSP

#### a) Giao diện



```
Imports System.Data.DataTable
Imports System.Data.SqlClient
Imports iTextSharp
Imports iTextSharp.text.pdf
Imports iTextSharp.text
Imports System.Data.Odbc
Imports System.IO
Public Class frmQLSP
    Dim db As New DataTable
    Private Sub frmQLSP_Load(sender As Object, e As EventArgs) Handles MyBase.Load
         Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
Dim load As SqlDataAdapter = New SqlDataAdapter("select SANPHAM.MASP ,SANPHAM.TENSP, LOAISANPHAM.MALOAI, LOAISANPHAM.TENLOAI, SANPHAM.SOLUONG from SANPHAM inner join LOAISANPHAM on SANPHAM.MASP = LOAISANPHAM.MASP", conn)
         conn.Open()
         load.Fill(db)
         dgvQLSP.DataSource = db.DefaultView
         conn.Close()
    End Sub
    Private Sub dgvQLSP_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles
{\tt dgvQLSP.CellContentClick}
         Dim click As Integer = dgvQLSP.CurrentRow.Index
         txtMASP.Text = dgvQLSP.Item(0, click).Value
         txtTENSP.Text = dgvQLSP.Item(1, click).Value
         txtMALOAI.Text = dgvQLSP.Item(2, click).Value
         txtTENLOAI.Text = dgvQLSP.Item(3, click).Value
         txtSOLUONG.Text = dgvQLSP.Item(4, click).Value
    End Sub
```



```
Private Sub btnRefresh2_Click(sender As Object, e As EventArgs) Handles btnRefresh2.Click
        db.Clear()
        dgvQLSP.DataSource = db
        dgvQLSP.DataSource = Nothing
        LoadData()
    End Sub
    Private Sub LoadData()
        Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
        Dim load As SqlDataAdapter = New SqlDataAdapter("select SANPHAM.MASP, SANPHAM.TENSP, LOAISANPHAM.MALOAI,
LOAISANPHAM.TENLOAI, SANPHAM.SOLUONG from SANPHAM inner join LOAISANPHAM on SANPHAM.MASP = LOAISANPHAM.MASP", conn)
        conn.Open()
        load.Fill(db)
        dgvQLSP.DataSource = db.DefaultView
        conn.Close()
    End Sub
    Private Sub txtADD2_Click(sender As Object, e As EventArgs) Handles txtADD2.Click
        Dim result As Integer = MessageBox.Show("Xác nhận thêm sản phẩm?", "ED Smart Manager",
MessageBoxButtons.YesNo)
        If result = DialogResult.Yes Then
            Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
            Dim query As String = "insert into SANPHAM values(@MASP,@TENSP,@SOLUONG) insert into LOAISANPHAM
values(@MALOAI,@MASP,@TENLOAI)
            Dim save As SqlCommand = New SqlCommand(query, conn)
            conn.Open()
            Try
                 txtMASP.Focus()
                 If txtMASP.Text = "" Then
                     MessageBox.Show("Bạn chưa nhập mã sản phẩm", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                     txtMASP.Focus()
                     If txtTENSP.Text = "" Then
                         MessageBox. Show("Ban chưa nhập tên sản phẩm", "Nhập thiếu", MessageBoxButtons. OKCancel,
MessageBoxIcon.Error)
                     F1se
                         txtTENSP.Focus()
                         If txtMALOAI.Text = "" Then
                              MessageBox.Show("Ban chưa nhập mã loại", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                         Else
                              txtMALOAI.Focus()
                              If txtSOLUONG.Text = "" Then
                                  MessageBox.Show("Ban chưa nhập số lượng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                              Else
                                  save.Parameters.AddWithValue("@MASP", txtMASP.Text)
                                  save.Parameters.AddWithValue("@TENSP", txtTENSP.Text)
                                  save.Parameters.AddWithValue("@MALOAI", txtMALOAI.Text)
save.Parameters.AddWithValue("@TENLOAI", txtTENLOAI.Text)
save.Parameters.AddWithValue("@SOLUONG", txtSOLUONG.Text)
                                  save.ExecuteNonQuery()
                                  MessageBox.Show("Luu thanh công")
                                  'Sau khi nhập thành công, tự động làm mới các khung textbox, combox và date....
                                  txtMASP.Text = Nothing
                                  txtMALOAI.Text = Nothing
                                  txtSOLUONG.Text = Nothing
                                  txtTENSP.Text = Nothing
                                  txtTENLOAI.Text = Nothing
                              End If
                         End If
                     End If
                 End If
```



```
Catch ex As Exception 'Ngược lại báo lỗi
                 MessageBox.Show("Không được trùng mã sản phẩm", "Lỗi", MessageBoxButtons.RetryCancel,
MessageBoxIcon.Error)
             End Try
         End If
db.Clear()
         dgvQLSP.DataSource = db
         dgvQLSP.DataSource = Nothing
         LoadData()
    End Sub
    Private Sub btnEDIT2_Click(sender As Object, e As EventArgs) Handles btnEDIT2.Click
         Dim result As Integer = MessageBox.Show("Mã SP & Mã loại (PR) không thể thay đổi, Xác nhận sửa tài khoản?",
"ED Smart Manager", MessageBoxButtons.YesNo)
         If result = DialogResult.Yes Then
             Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
             Dim updatequery As String = "update SANPHAM set MASP=@MASP, TENSP=@TENSP, SOLUONG=@SOLUONG where
MASP=@MASP update LOAISANPHAM set MALOAI=@MALOAI, MASP=@MASP, TENLOAI=@TENLOAI where MASP=@MASP"
             Dim addupdate As SqlCommand = New SqlCommand(updatequery, conn)
             conn.Open()
             Try
                 txtMASP.Focus()
                 If txtMASP.Text = "" Then
                      MessageBox.Show("Ban chưa nhập mã sản phẩm", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                      txtMASP.Focus()
                      If txtTENSP.Text = "" Then
                          MessageBox.Show("Bạn chưa nhập tên sản phẩm", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                          txtTENSP.Focus()
                          If txtMALOAI.Text = "" Then
                               MessageBox.Show("Bạn chưa nhập mã loại", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                          Else
                               txtMALOAI.Focus()
                               If txtSOLUONG.Text = "" Then
                                   MessageBox.Show("Bạn chưa nhập số lượng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                               Else
                                   addupdate.Parameters.AddWithValue("@MASP", txtMASP.Text) addupdate.Parameters.AddWithValue("@TENSP", txtTENSP.Text) addupdate.Parameters.AddWithValue("@MALOAI", txtMALOAI.Text)
                                   addupdate.Parameters.AddWithValue("@TENLOAI", txtTENLOAI.Text) addupdate.Parameters.AddWithValue("@SOLUONG", txtSOLUONG.Text)
                                   addupdate.ExecuteNonQuery()
                                   conn.Close() 'đóng kết nối
                                   MessageBox.Show("Cập nhật thành công")
                                   txtMASP.Text = Nothing
                                   txtTENSP.Text = Nothing
                                   txtMALOAI.Text = Nothing
                                   txtTENLOAI.Text = Nothing
                                   txtSOLUONG.Text = Nothing
                               End If
                          End If
                      End If
                 End If
Catch ex As Exception
                 MessageBox.Show("Không thành công", "Lỗi", MessageBoxButtons.RetryCancel, MessageBoxIcon.Error)
             End Try
         End If
         'Sau khi cập nhật xong sẽ tự làm mới lại bảng
         db.Clear()
         dgvQLSP.DataSource = db
         dgvQLSP.DataSource = Nothing
         LoadData()
    End Sub
```



```
Private Sub btnDEL2_Click(sender As Object, e As EventArgs) Handles btnDEL2.Click
        Dim conn As SqlConnection = New SqlConnection(SQLControl.Sqlconstring)
        Dim delquery As String = "delete from LOAISANPHAM where MASP=@MASP delete from SANPHAM where MASP=@MASP"
        Dim delete As SqlCommand = New SqlCommand(delquery, conn)
        Dim resulft As DialogResult = MessageBox.Show("Ban muon xóa không?", "Xác nhận", MessageBoxButtons.YesNo,
MessageBoxIcon.Question)
        conn.Open()
        Try
            If txtMASP.Text = "" Then
                MessageBox.Show("Bạn cần nhập mã khách hàng", "Nhập thiếu", MessageBoxButtons.OKCancel,
MessageBoxIcon.Error)
                txtMASP.Focus()
            Else
                If resulft = Windows.Forms.DialogResult.Yes Then
                    delete.Parameters.AddWithValue("@MASP", txtMASP.Text)
                    delete.ExecuteNonQuery()
                    conn.Close()
                    MessageBox.Show("Xóa thành công")
                    'Sau khi xóa thành công, tự động làm mới các khung textbox
                    txtMASP.Text = Nothing
                    txtTENSP.Text = Nothing
                    txtMALOAI.Text = Nothing
                    txtTENLOAI.Text = Nothing
                    txtSOLUONG.Text = Nothing
                    txtMASP.Focus()
                End If
            End If
        Catch ex As Exception
            MessageBox.Show("Nhập đúng mã sản phẩm cần xóa", "Lỗi", MessageBoxButtons.RetryCancel,
MessageBoxIcon.Error)
        End Try
        'làm mới bảng
        db.Clear()
        dgvQLSP.DataSource = db
        dgvQLSP.DataSource = Nothing
        LoadData()
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        SaveFileDialog1.ShowDialog()
        If SaveFileDialog1.FileName = "" Then
            MsgBox("Enter Filename to create PDF")
            Exit Sub
        Else
            ExportDataToPDFTable()
            MsgBox("PDF Created Successfully")
        Fnd Tf
    End Sub
Private Function GetDataTable() As DataTable
        Dim dataTable As New DataTable("MyDataTable")
        'Create another DataColumn Name
        Dim dataColumn_1 As New DataColumn(dgvQLSP.Columns(0).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn_1)
        Dim dataColumn_2 As New DataColumn(dgvQLSP.Columns(1).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn_2)
        Dim dataColumn_3 As New DataColumn(dgvQLSP.Columns(2).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn_3)
        Dim dataColumn_4 As New DataColumn(dgvQLSP.Columns(3).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn 4)
        Dim dataColumn_5 As New DataColumn(dgvQLSP.Columns(4).HeaderText.ToString(), GetType(String))
        dataTable.Columns.Add(dataColumn 5)
        'Now Add some row to newly created dataTable
```



```
Dim dataRow As DataRow
        For i As Integer = 0 To dgvQLSP.Rows.Count - 1
            dataRow = dataTable.NewRow()
            ' Important you have create New row
            dataRow(dgvQLSP.Columns(0).HeaderText.ToString()) = dgvQLSP.Rows(i).Cells(0).Value.ToString()
            dataRow(dgvQLSP.Columns(1).HeaderText.ToString()) = dgvQLSP.Rows(i).Cells(1).Value.ToString()
            dataRow(dgvQLSP.Columns(2).HeaderText.ToString()) = dgvQLSP.Rows(i).Cells(2).Value.ToString()
            dataRow(dgvQLSP.Columns(3).HeaderText.ToString()) = dgvQLSP.Rows(i).Cells(3).Value.ToString()
            dataRow(dgvQLSP.Columns(4).HeaderText.ToString()) = dgvQLSP.Rows(i).Cells(4).Value.ToString()
            dataTable.Rows.Add(dataRow)
        Next
        dataTable.AcceptChanges()
        Return dataTable
    End Function
    Private Sub ExportDataToPDFTable()
        Dim arial As BaseFont = BaseFont.CreateFont(
    "c:\windows\fonts\ARIAL.ttf", BaseFont.IDENTITY H, BaseFont.EMBEDDED)
        Dim tittle As New Font(arial, 16, FontStyle.Bold, BaseColor.RED)
Dim font12Bold As New Font(arial, 12, FontStyle.Bold, BaseColor.BLACK)
        Dim font12Normal As New Font(arial, 12, FontStyle.Regular, BaseColor.BLACK)
        Dim paragraph As New Paragraph
        Dim doc As New Document(iTextSharp.text.PageSize.A4, 40, 40, 40, 10)
        Dim wri As PdfWriter = PdfWriter.GetInstance(doc, New FileStream(SaveFileDialog1.FileName + ".pdf",
FileMode.Create))
        doc.Open()
        Dim p1 As New Phrase
        p1 = New Phrase(New Chunk("DANH SÁCH SẨN PHẨM", tittle))
        doc.Add(p1)
        'Create instance of the pdf table and set the number of column in that table
        Dim PdfTable As New PdfPTable(5)
        PdfTable.TotalWidth = 490.0F
        'fix the absolute width of the table
        PdfTable.LockedWidth = True
        'relative col widths in proportions - 1,4,1,1 and 1
        Dim widths As Single() = New Single() {1.0F, 2.5F, 1.0F, 2.5F, 1.0F}
        PdfTable.SetWidths(widths)
        PdfTable.HorizontalAlignment = 1 ' 0 --> Left, 1 --> Center, 2 --> Right
        PdfTable.SpacingBefore = 2.0F
        'pdfCell Decleration
        Dim PdfPCell As PdfPCell = Nothing
        'Assigning values to each cell as phrases
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Mã SP", font12Bold)))
        'Alignment of phrase in the pdfcell
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        'Add pdfcell in pdftable
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Tên SP", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Mã Loại", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Tên Loại", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
        PdfPCell = New PdfPCell(New Phrase(New Chunk("Số Lượng", font12Bold)))
        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_CENTER
        PdfTable.AddCell(PdfPCell)
```



```
Dim dt As DataTable = GetDataTable()
        If dt IsNot Nothing Then
            'Now add the data from datatable to pdf table
            For rows As Integer = 0 To dt.Rows.Count - 1
                For column As Integer = 0 To dt.Columns.Count - 1
                    PdfPCell = New PdfPCell(New Phrase(dt.Rows(rows)(column).ToString(), font12Normal))
                    If column = 0 Or column = 1 Then
                        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_LEFT
                        PdfPCell.HorizontalAlignment = PdfPCell.ALIGN_RIGHT
                    End If
                    PdfTable.AddCell(PdfPCell)
                Next
            Next
            'Adding pdftable to the pdfdocument
            doc.Add(PdfTable)
        End If
        doc.Close()
    End Sub
End Class
```

# 9. Hosting Database

Vào trang <a href="http://www.hostbuddy.com/">http://www.hostbuddy.com/</a>

Chon Start Free Trial





# Nhập thông sin & ấn Sign Up

	Login Name				
	Email	*You CANNOT change login name once you signup.			
		*Valid Email Required to Receive Verification Email			
	Confirm Email				
	Password				
	Confirm Password				
	I have read and agree to the terms and conditions of use. ${f Z}$				
	Affiliate ID (optional)  If you were referred to us by a HostBuddy.com Affiliate, please provide their Affiliate ID.  Affiliate ID				
	Win a Free Premium Plan & a Domain Name  We give out 1 FREE domain name + Premium Plan every day at 12:00 am PST. Click on the 'Plus' button or 'Like' button be sweepstake and see if you're the lucky winner.				
	G+1 +10947 bao gồm Bạn				
	Facebook-Bot Scam sites NOT Allowed				
	We do not allow user to run Facebook-Bot websites. All Facebook-Bot websites will be terminated without notificatoins.				
		Sign Up			
Active qua Email					
	Account Activation - HostBude	dy.com  Hộp thư đến x			
	noreply@HostBuddy.com <nor< th=""><th>reply@hostbuddy.com&gt;</th></nor<>	reply@hostbuddy.com>			



# Verification Notice

**Notice:** To ensure you receive our future emails such as maintenance notices and renewal notices, please add us to your contact list.

Hi endlessdark94:

You're one step away from activating your account.

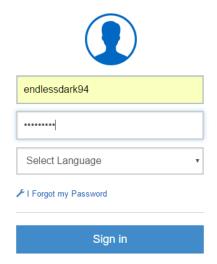
Below is your account login information:

Username: endlessdark94

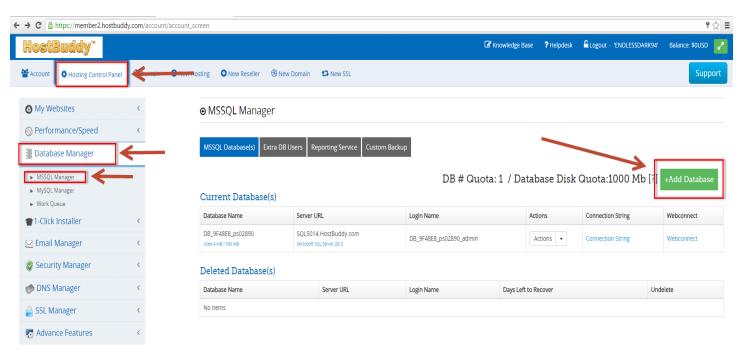


Sau đó vào trang https://member2.hostbuddy.com/account/loginform

Đăng nhập tài khoản

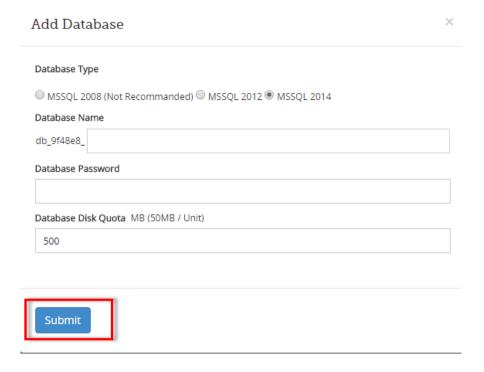


Hosting Control Panel > Database Manager > MSSQL Manager > Add Database



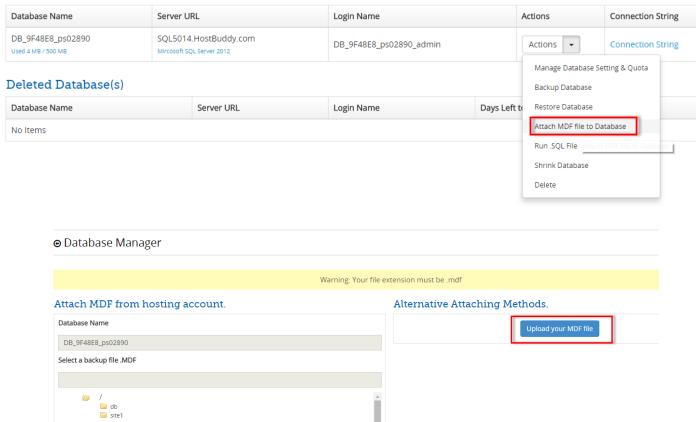


# Nhập tên Database, Password & dung lượng Quota > Submit

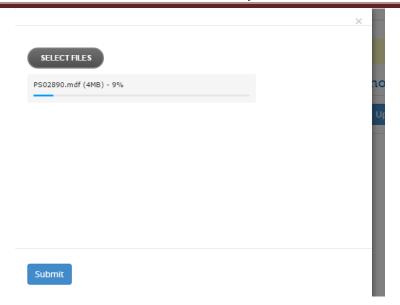


## Attach Database

## Current Database(s)







# **Xem Connection String**



# 

## ASP.net

"Data Source=SQL5014.HostBuddy.com;Initial Catalog=DB\_9F48E8\_ps02890;User Id=DB\_9F48E8\_ps02890\_admin;Password=YOUR\_DB\_PASSWORD;"

#### Classic ASP

"Provider=SQLOLEDB;Data Source=SQL5014.HostBuddy.com;Initial Catalog=DB\_9F48E8\_ps02890;User Id=DB\_9F48E8\_ps02890\_admin;Password=YOUR\_DB\_PASSWORD;"

## PHP

mssql\_connect('SQL5014.HostBuddy.com', 'DB\_9F48E8\_ps02890\_admin', 'YOUR\_DB\_PASSWORD')

## SQL Management

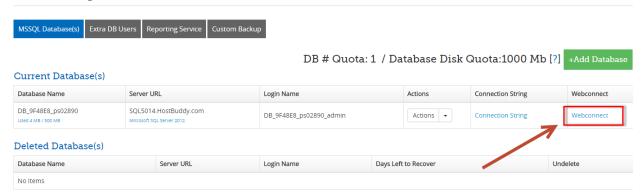
Server name: SQL5014.HostBuddy.com Authentication: SQL Server Authentication Login: DB\_9F48E8\_ps02890\_admin Password: YOUR\_DB\_PASSWORD

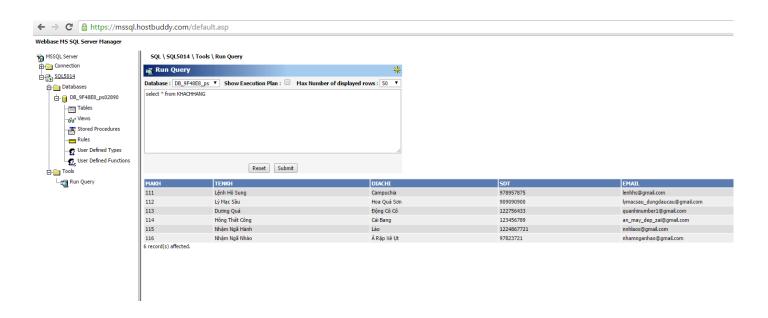




# Chạy Query qua giao diện Web

## 

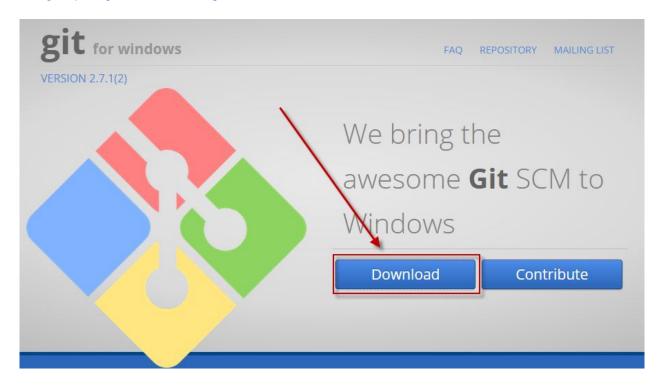






# III. Đưa mã nguồn lên GitHub

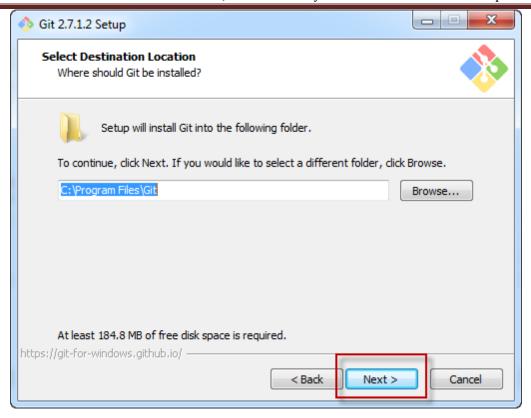
Vào trang <a href="https://git-for-windows.github.io/">https://git-for-windows.github.io/</a>

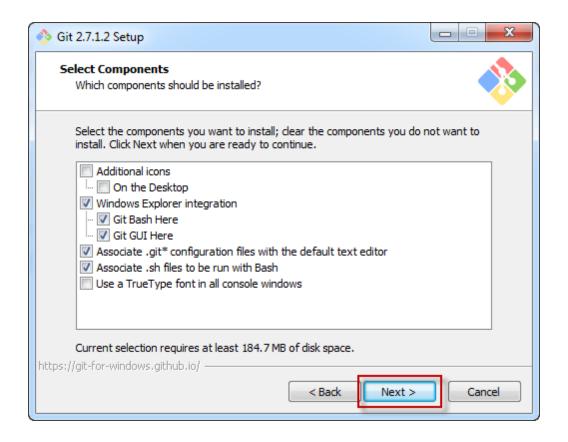


Sau đó tiến hành cài đặt Github

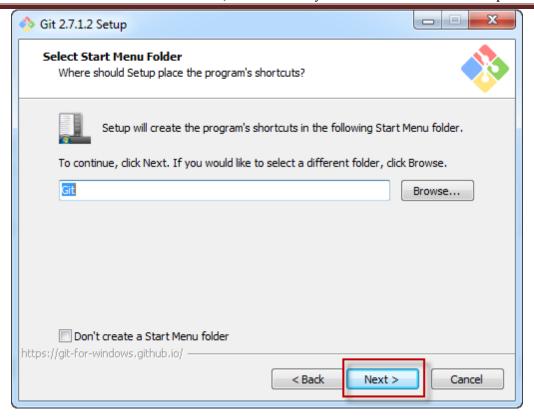


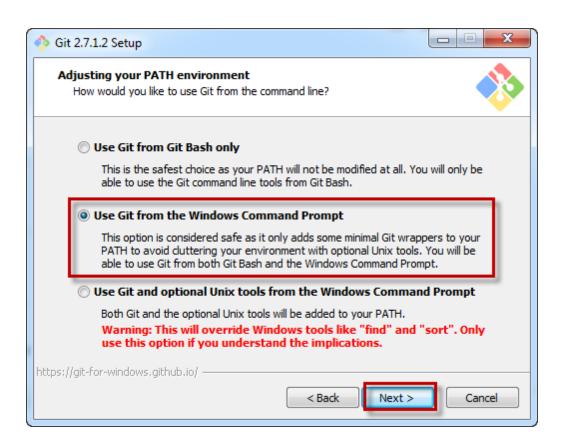




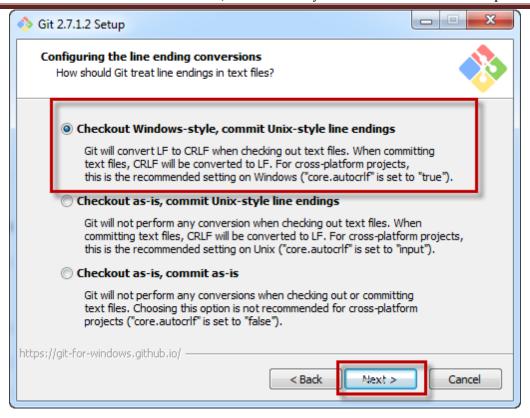


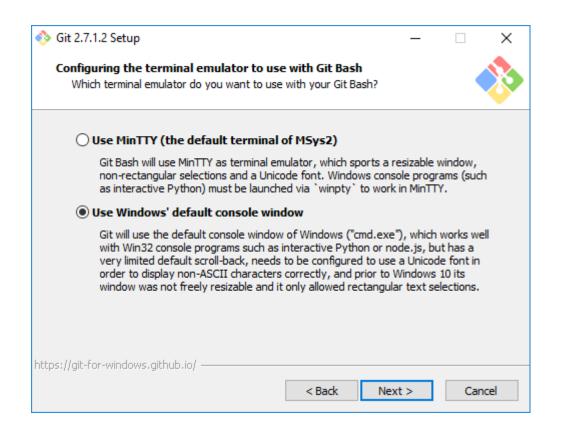








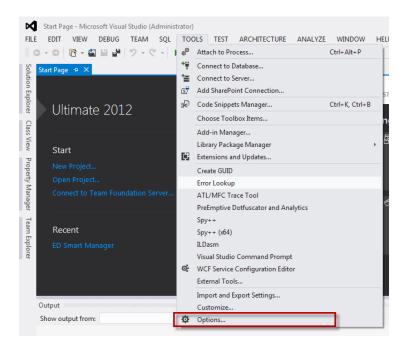




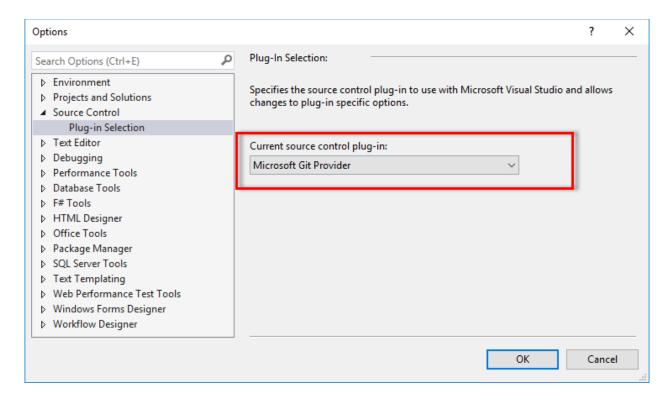


# Khởi động Microsoft Visual Studio

# Vào Tools > Options



## Source Control > Microsoft Git Provider > OK

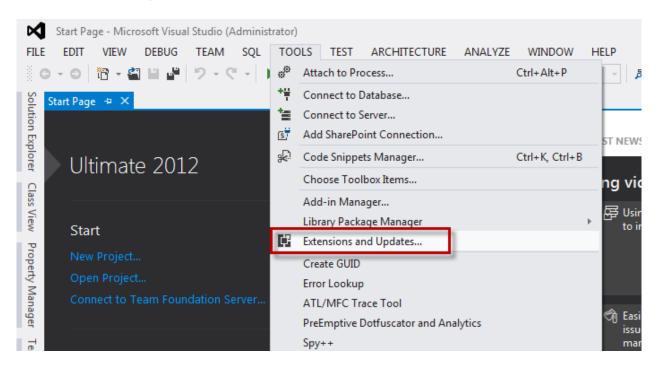




Trong trường hợp sử dụng Visual Studio 2012 trở xuống không hỗ trợ Microsoft Git Provider

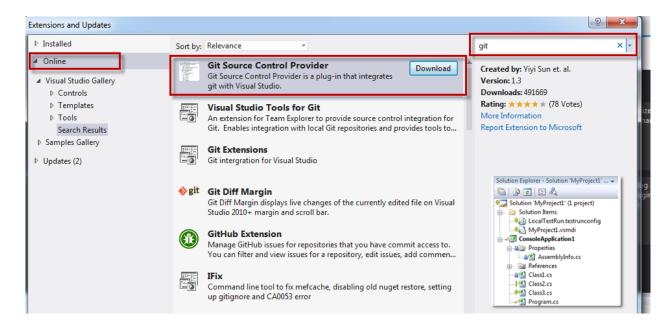
## Tải Git Soource Control Provider

Tool > Extensions and updates...

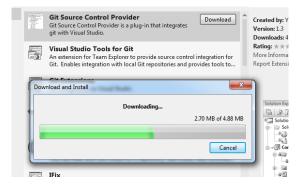


Chọn online > Nhập vào ô tìm kiểm Git

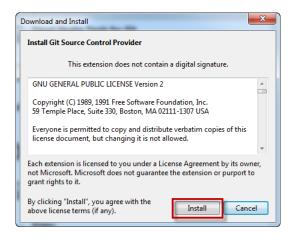
An Download Git Source Control Provider





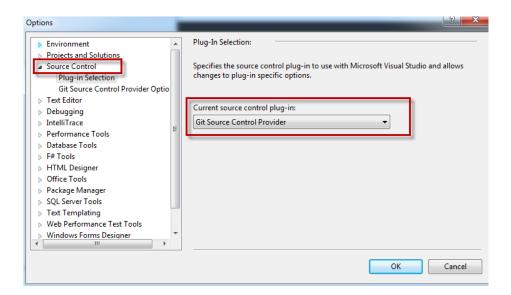


## Install



# Khởi động lại Visual Studio

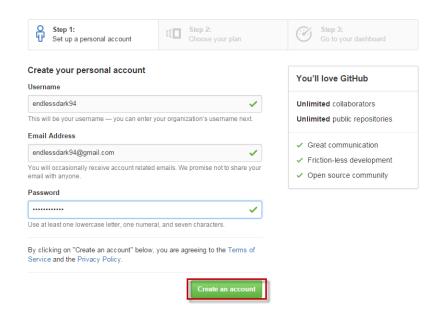
# Add Source Control > OK

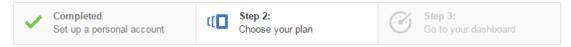




# Sử dụng Github với Visual Studio

# Đăng kí tài khoản trên trang chủ Github





## Choose your personal plan

Plan	Cost (view in VND)	Private repositories	
Large	\$50/month	50	Choose
Medium	\$22/month	20	Choose
Small	\$12/month	10	Choose
Micro	\$7/month	5	Choose
Free	\$0/month	0	Chosen

Each plan includes:

Unlimited collaborators

Unlimited public repositories

✓ Free setup

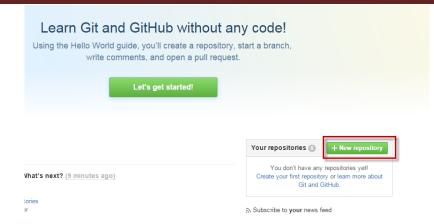
✓ HTTPS Protection

✓ Email support

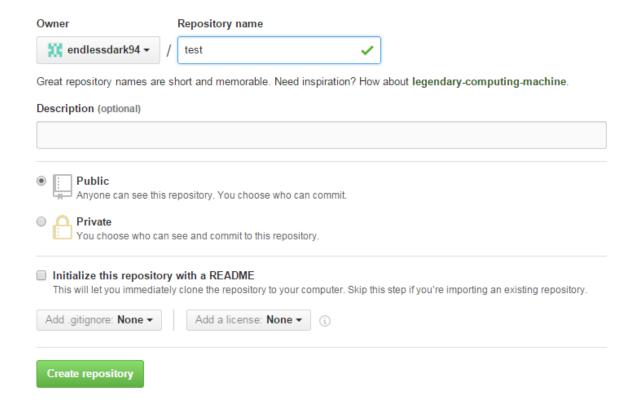
✓ Wikis, Issues, Pages, & more

Charace to your account will be made in IIS Dollare. Converted priese are



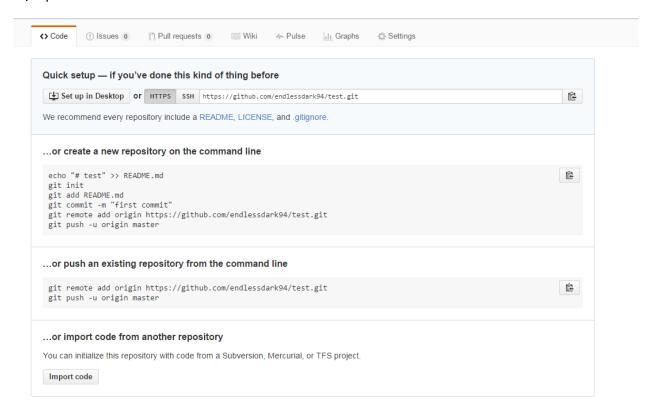


# Tạo Repository



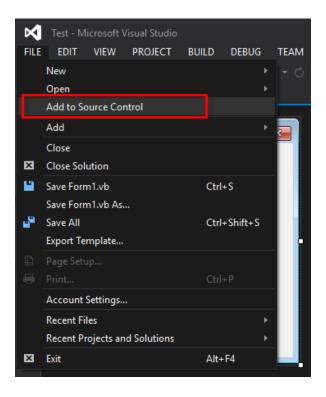


## Giao diện quản lí



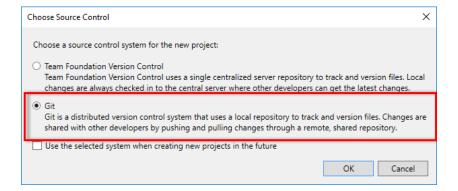
## Mở Project trên Visual Studio

# Push Project lên Github

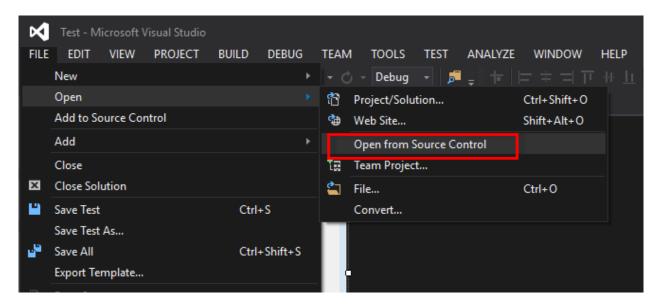




## Chon Git

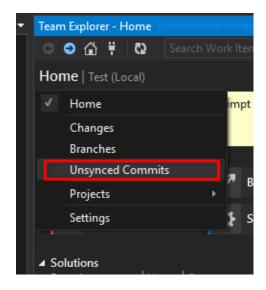


## Vào File > Open from Source Control



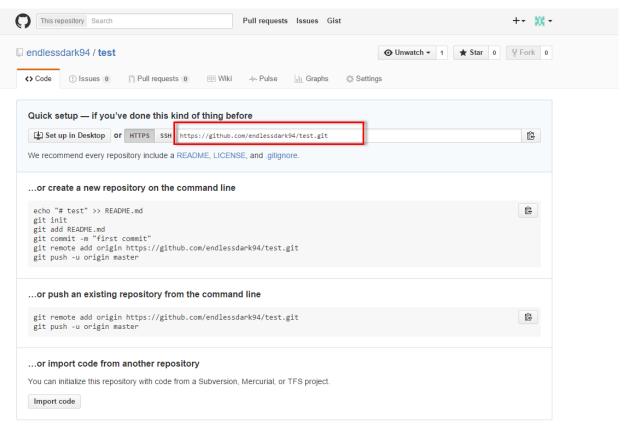
# Từ Menu Team Explorer

## Chon Home > Unsynced Commits



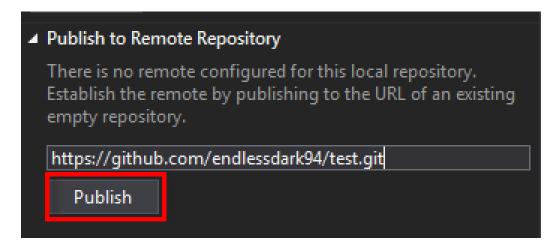


## Coppy URL Git respository trên trang Git đã tạo



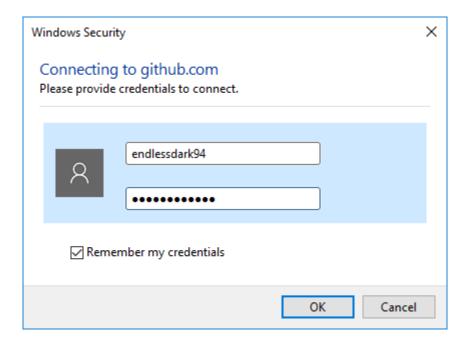
 $\ensuremath{\mathbb{Q}}$  ProTip! Use the URL for this page when adding GitHub as a remote

## Paste vào & chon Publish

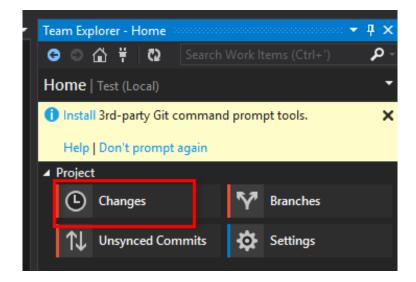




Login

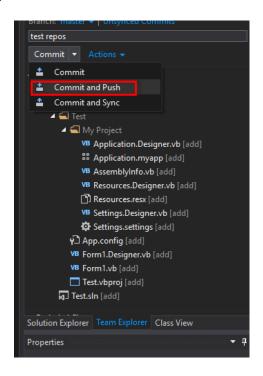


# Chon Home > Changes

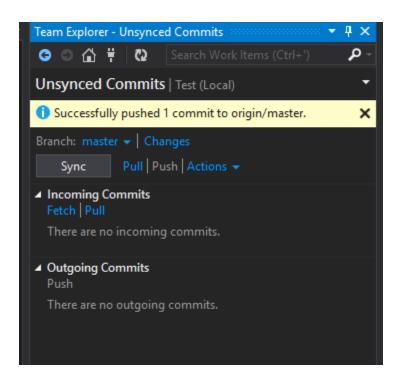




Nhập comment > Commit and push

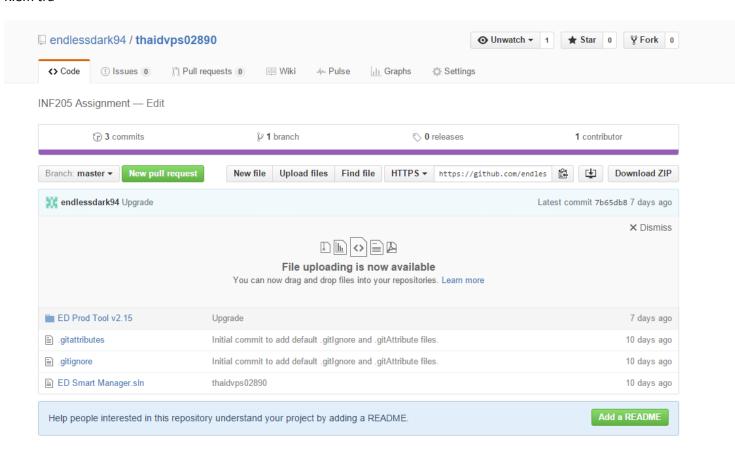


# Thành công





## Kiểm tra

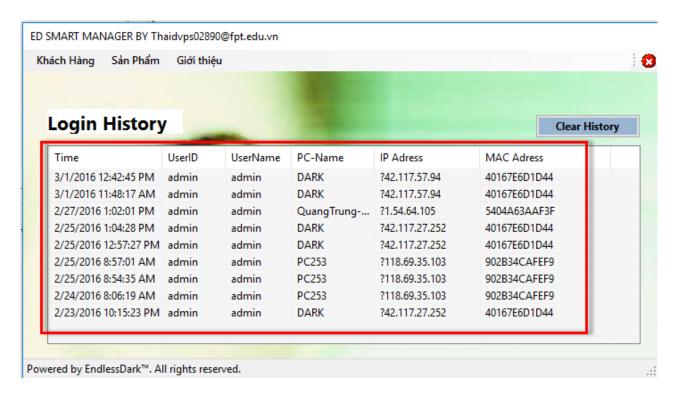




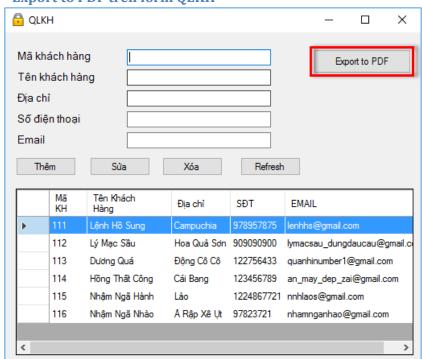
# IV. Tính năng mở rộng

## 1. Tính năng quản lí trạng thái đăng nhập trên Form main

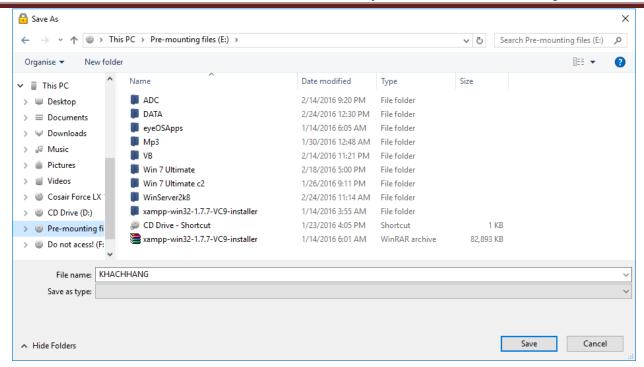
Đưa ra nhưng thông tin cự thể như thời gian đăng nhập, User đăng nhập, Tên người đăng nhập, Tên máy PC Local, Địa chỉ IP, MAC Address

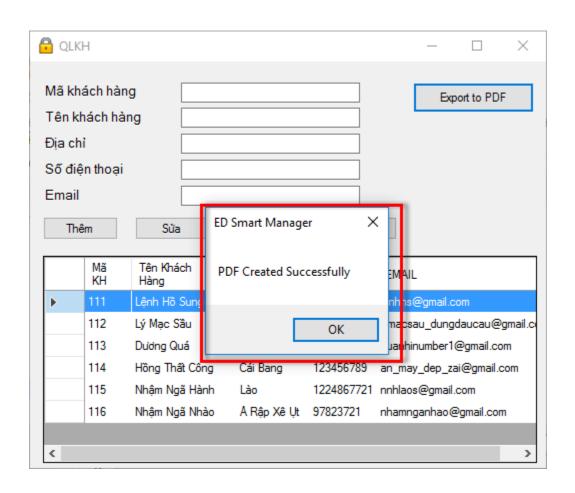


2. Export to PDF trên form QLKH













# 3. Export to PDF trên Form QLSP

Tương tự như trên Form QLKH