Lab06 – MVC – Project

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Đề tài: Quản lý đăng kí học phần cho sinh viên

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1. Cơ sở dữ liệu:

```sql
use master;
go
if exists(select * from sys.databases where name='CsdlPortal')
drop database CsdlPortal;
go
create database CsdlPortal;
go
use CsdlPortal;
go

--INSERT INTO SINHVIEN VALUES
--(1, N'User1', 1),
--(2, N'User2', 0);

create table BangThamSo(
    Stt      int not null identity (1,1),
    MoTa     nvarchar(50) not null,
    GiaTri   sql_variant not null
);

create table NVPDT(
    MaNV     int NOT NULL IDENTITY(1,1),
    TenNV    nvarchar(30) NOT NULL,
    GioiTinh nvarchar(3) NOT NULL,
    email    nvarchar(50) NOT NULL,
    Matkhau  nvarchar(50) NOT NULL,
    constraint NVPDT_PK primary key (MaNV),
);

create table CTDAOTAO (
    MaCTDT   int NOT NULL IDENTITY(1,1),
    TenCTDT  nvarchar(20) NOT NULL,
    Nganh    nvarchar(30) NOT NULL,
    constraint CTDATAO_PK primary key (MaCTDT),
);


create table GIANGVIEN (
    MaGV        int NOT NULL IDENTITY(0,1),
    HoTen       nvarchar(50) NOT NULL,
    GioiTinh    nvarchar(4)  NOT NULL,
    HocVi       nvarchar(20) NOT NULL,
    Email       nvarchar(30) NOT NULL,
    constraint GIANGVIEN_PK primary key (MaGV)
);

create table KHOA (
    MaSoKhoa    int not null identity(1,1),
    MaKhoa      nvarchar(10) NOT NULL,
    TenKhoa     nvarchar(20) NOT NULL,
    constraint KHOA_PK primary key (MaSoKhoa),
);
```

```sql
create table HOCPHAN (
    MSHP          int not null identity(1,1),
    MaHP          nvarchar(10) NOT NULL,
    TenHP         nvarchar(50) NOT NULL,
    SoTinChi      int          NOT NULL,
    MaSoKhoa      int          NOT NULL,
    TuyenQuyet    int,
    constraint HOCPHAN_PK          primary key (MSHP),
    constraint HOCPHAN_KHOA_FK    foreign key (MaSoKhoa) references KHOA (MaSoKhoa),
    constraint HOCPHAN_TUYENQUYET_FK foreign key (TuyenQuyet) references HOCPHAN (MSHP)
);
create table LOPHOCPHAN (
    MaLHP   int NOT NULL IDENTITY(1,1),
    TenLop  nvarchar(10)   NOT NULL,
    SiSo    int            NOT NULL,
    LT_TH   nvarchar(10)   NOT NULL,
    Thu     nvarchar(3)    NOT NULL,
    TietBD  int            NOT NULL,
    TietKT  int            NOT NULL,
    Phong   nvarchar(5)    NOT NULL,
    DiaDiem nvarchar(20)   NOT NULL,
    KhoaHoc int            not null,
    Huy     nvarchar(3),
    constraint MaLHP_PK primary key (MaLHP),
);
create table LOP (
    MaLop   int NOT NULL IDENTITY(1,1),
    TenLop  nvarchar(20) NOT NULL,
    MaSoKhoa    int NOT NULL,
    SiSo        int NOT NULL,
    constraint LOP_PK          primary key (MaLop),
    constraint LOP_KHOA_FK     foreign key (MaSoKhoa)  references KHOA (MaSoKhoa)
);

create table SINHVIEN (
    Id        int not null identity(1,1),
    MSSV      nvarchar(10) NOT NULL,
    HoTen     nvarchar(50) NOT NULL,
    GioiTinh  nvarchar(3) NOT NULL,
    NgaySinh  date         NOT NULL,
    MatKhau   nvarchar(20) NOT NULL,
    KhoaHoc   int not null,
    MaCTDT    int NOT NULL,
    MaLop     int NOT NULL,
    constraint SINHVIEN_PK       primary key (Id),
    constraint SINHVIEN_CTDT_FK foreign key (MaCTDT)    references CTDAOTAO (MaCTDT),
    constraint SINHVIEN_LOP_FK  foreign key (MaLop)     references LOP (MaLop)
);
```

```sql
create table DANGKY (
    MaLHP           int NOT NULL,
    Id              int NOT NULL,
    ThoiGianBD      date        NOT NULL,
    constraint DANGKY_PK            primary key (MaLHP, Id),
    constraint DANGKY_SINHVIEN_FK   foreign key (Id)        references SINHVIEN (Id),
    constraint DANGKY_LOPHOCPHAN_FK foreign key (MaLHP)     references LOPHOCPHAN (MaLHP),
);

create table MOLOP (
    MaLHP   int NOT NULL,
    MaGV    int NOT NULL,
    MSHP    int NOT NULL,
    MaNV    int NOT NULL,
    HocKy   int NOT NULL,
    Nam     int NOT NULL,
    constraint MOLOP_PK               primary key (MaLHP, MSHP, HocKy, Nam, MaNV),
    constraint MOLOP_NV_FK            foreign key (MaNV)  references NVPDT (MaNV),
    constraint MOLOP_LOPHOCPHAN_FK    foreign key (MaLHP) references LOPHOCPHAN (MaLHP),
    constraint MOLOP_HOCPHAN_FK       foreign key (MSHP)  references HOCPHAN (MSHP),
    constraint MOLOP_GIANGVIEN_FK     foreign key (MaGV)  references GIANGVIEN (MaGV),
);

--insert into CTDAOTAO values (TenCTDT, Nganh)
insert into CTDAOTAO values (N'Cử Nhân',N'Toán học')

--insert into NVPDT values (TenNV, GioiTinh, email, Matkhau)
insert into NVPDT values (N'Xuân Hoàng', N'Nữ', 'nxkhoang@hcmus.edu.vn', 'nxhoang123')

--insert into NVPDT values (MaKhoa, TenKhoa)
insert into KHOA values ('MTH',N'Toán-Tin')

--insert into GIANGVIEN values (HoTen, GioiTinh, HocVi, Email)
insert into GIANGVIEN values ('NoName','Null','Null','Null')
insert into GIANGVIEN values (N'Trần Anh Tuấn A',N'Nam',N'Tiến Sĩ','trananhtuana@gmail.com')
insert into GIANGVIEN values (N'Nguyễn Hiền Lương',N'Nam',N'Tiến Sĩ','nguyenhienluong@gmail.com')
insert into GIANGVIEN values (N'Võ Đức Cẩm Hải',N'Nam',N'Tiến Sĩ','voduccamhai@gmail.com')
insert into GIANGVIEN values (N'Hà Văn Thảo',N'Nam',N'Tiến Sĩ','havanthao@gmail.com')
insert into GIANGVIEN values (N'Phạm Thi Vương',N'Nam',N'Tiến Sĩ','phamthivuong@gmail.com')
insert into GIANGVIEN values (N'Ngô Minh Mẫn ',N'Nam',N'Tiến Sĩ','ngominhman@gmail.com')
insert into GIANGVIEN values (N'Huỳnh Thế Đăng',N'Nam',N'Tiến Sĩ','huynhthedang@gmail.com')
insert into GIANGVIEN values (N'Nguyễn Thanh Bình',N'Nam',N'Tiến Sĩ','nguyenthanhbinh@gmail.com')
insert into GIANGVIEN values (N'Kha Tuấn Minh',N'Nam',N'Tiến Sĩ','khatuanminh@gmail.com')
```

```sql
--insert into LOP values (TenLop, MaSoKhoa, SiSo)
insert into LOP  values ('19TTH1',1,70)
insert into LOP  values ('19TTH2',1,100)
insert into LOP  values ('19TTH3',1,60)
insert into LOP  values ('20TTH1',1,50)
insert into LOP  values ('20TTH2',1,90)

--insert into HOCPHAN values (MaHP, TenHP, SoTinChi, MaSoKhoa, TuyenQuyet)
insert into HOCPHAN values ('MTH10310',N'Lập Trình.Net', 4 ,1, NULL)
insert into HOCPHAN values ('MTH10333',N'Thiết kế Web', 3 ,1, null)
insert into HOCPHAN values ('MTH10315',N'Phân tích và thiết kế hệ thống thông tin', 4 ,1,null)
insert into HOCPHAN values ('MTH10335',N'Thiết kế Mạng', 4 ,1, null)
insert into HOCPHAN values ('MTH10316',N'Lập trình Java', 3 ,1, null)
insert into HOCPHAN values ('MTH10308',N'Phát triển phần mềm hướng đối tượng', 4 ,1, null)
insert into HOCPHAN values ('MTH10341',N'Chuyên đề.NET', 4 ,1, null)
insert into HOCPHAN values ('MTH10317',N'Phân tích & xử lý ảnh', 4 ,1, null)
insert into HOCPHAN values ('MTH10322',N'Nhận dạng mẫu ', 4 ,1, null)
insert into HOCPHAN values ('MTH10354',N'Máy học nâng cao', 4 ,1, null)
insert into HOCPHAN values ('MTH10318',N'Nhập môn trí tuệ nhân tạo', 4 ,1, null)
insert into HOCPHAN values ('MTH10406',N'Toán rời rạc', 4 ,1, null)

--insert into SINHVIEN values (MSSV, HoTen, GioiTinh, NgaySinh, MatKhau, KhoaHoc, MaCTDT, MaLop)
insert into SINHVIEN values ('19110442',N'Nguyễn Bá Thắng',N'Nam','2001-04-20','thang123',2019,1,1)
insert into SINHVIEN values ('19110231',N'Trịnh Thanh Bình',N'Nữ','2001-11-10','binh321',2019,1,1)
insert into SINHVIEN values ('19110023',N'Trần Đức Bo',N'Nữ','2001-03-02','bo445',2019,1,2)
insert into SINHVIEN values ('19110452',N'Trần Thị Thơm',N'Nữ','2001-10-11','thom444',2019,1,2)
insert into SINHVIEN values ('19110111',N'Trần Thới Tuấn',N'Nam','2001-07-24','tuanzz11',2019,1,1)
insert into SINHVIEN values ('19110002',N'Lê Thị Ánh',N'Nữ','2001-4-29','anhrr11',2019,1,3)
insert into SINHVIEN values ('19110420',N'Lê Văn Thanh',N'Nam','2001-05-13','thanhpro123',2019,1,1)
insert into SINHVIEN values ('19110150',N'Trần Thanh Tâm',N'Nam','2001-01-16','tam1123',2019,1,2)
insert into SINHVIEN values ('20110520',N'Trần Anh Dũng',N'Nam','2001-12-14','dungvl11',2020,1,3)
insert into SINHVIEN values ('20110005',N'Lê Thị Kim',N'Nữ','2001-06-22','anh000',2020,1,3)
insert into SINHVIEN values ('20110008',N'Lê Ánh',N'Nữ','2001-06-18','anh589',2020,1,4)
insert into SINHVIEN values ('20110222',N'Lê Thanh Tín',N'Nam','2001-08-26','tin444',2020,1,4)

--insert into LOPHOCPHAN values (TenLop, SiSo, LT_TH, Thu, TietKT, Phong, DiaDiem, Huy)
insert into LOPHOCPHAN values ('20TTH',100,'LT',7,1,3,'E402','NVC',2020,null)
insert into LOPHOCPHAN values ('20TTH',100,'LT',7,4,6,'H2.1','NVC',2020,null)
insert into LOPHOCPHAN values ('20TTH',50,'LT',4,7,9,'F208','LT',2020,null)
insert into LOPHOCPHAN values ('20TTH',50,'LT','CN',6,8,'E405','NVC',2020,null)
insert into LOPHOCPHAN values ('20TTH',50,'TH',2,9,10,'P máy','NVC',2020,null)
insert into LOPHOCPHAN values ('19TTH',50,'LT',3,5,6,'B44','NVC',2019,null)
insert into LOPHOCPHAN values ('20TTH',50,'LT',7,9,11,'F303','NVC',2020,null)
insert into LOPHOCPHAN values ('20TTH',100,'LT',6,7,9,'F301','NVC',2020,null)
insert into LOPHOCPHAN values ('20TTH',100,'LT',6,8,9,'HT B','LT',2020,null)
insert into LOPHOCPHAN values ('19TTH',50,'LT',4,1,4,'E402','NVC',2019,null)
insert into LOPHOCPHAN values ('20THH',50,'LT',5,2,3,'E405','NVC',2020,null)
insert into LOPHOCPHAN values ('20TTH',100,'LT',4,1,3,'E401','NVC',2020,null)
```

```sql
--insert into MOLOP values (MaLHP, MaGV, MSHP, MaNV, HocKy, Nam)
insert into MOLOP values (1,1,1,1,1,2022)
insert into MOLOP values (2,1,2,1,2,2022)
insert into MOLOP values (3,2,3,1,2,2022)
insert into MOLOP values (4,3,4,1,2,2022)
insert into MOLOP values (5,4,5,1,2,2022)
insert into MOLOP values (6,5,6,1,2,2022)
insert into MOLOP values (7,1,7,1,2,2022)
insert into MOLOP values (8,1,8,1,2,2022)
insert into MOLOP values (9,6,9,1,2,2022)
insert into MOLOP values (10,7,10,1,2,2022)
insert into MOLOP values (11,8,11,1,2,2022)
insert into MOLOP values (12,9,12,1,2,2022)

--insert into DANGKY values (MaLHP, Id, ThoiGianBD)
insert into DANGKY values (1,1,'2022-09-06')
insert into DANGKY values (2,2,'2022-09-06')
insert into DANGKY values (3,3,'2022-09-06')
insert into DANGKY values (4,4,'2022-09-06')
insert into DANGKY values (5,5,'2022-09-06')
insert into DANGKY values (6,6,'2022-09-06')
insert into DANGKY values (7,7,'2022-09-06')
insert into DANGKY values (8,8,'2022-09-06')
insert into DANGKY values (9,9,'2022-09-06')
insert into DANGKY values (1,10,'2022-09-06')
insert into DANGKY values (2,11,'2022-09-06')
insert into DANGKY values (4,2,'2022-09-06')
insert into DANGKY values (6,7,'2022-09-06')
insert into DANGKY values (9,5,'2022-09-06')
insert into DANGKY values (2,4,'2022-09-06')
insert into DANGKY values (8,3,'2022-09-06')
insert into DANGKY values (7,4,'2022-09-06')
insert into DANGKY values (5,12,'2022-09-06')
insert into DANGKY values (3,5,'2022-09-06')
insert into DANGKY values (10,12,'2022-09-06')
insert into DANGKY values (4,5,'2022-09-06')
insert into DANGKY values (2,9,'2022-09-06')

insert into HOCPHAN values ('MTH10309',N'Quản trị hệ thống mạng', 4 ,1, null)
insert into LOPHOCPHAN values ('19TTH',50,'LT',3,7,9,'F303','NVC',2019,null)
insert into MOLOP values (13,0,13,1,1,2022)
```

```sql
238 CREATE PROCEDURE [dbo].[sp.NVPDT_Login_Check]
239     @UserName NVARCHAR (20),
240     @Password NVARCHAR (30),
241     @res BIT OUTPUT
242 AS
243 BEGIN
244     DECLARE @count INT
245
246     SELECT @count = count(*) FROM NVPDT WHERE @UserName = email AND @Password = Matkhau
247
248     IF @count > 0
249         SET @res = 1
250     ELSE
251         SET @res = 0
252 END
253
254 CREATE PROCEDURE [dbo].[sp.SV_Login_Check]
255     @UserName NVARCHAR (20),
256     @Password NVARCHAR (30),
257     @res BIT OUTPUT
258 AS
259 BEGIN
260     DECLARE @count INT
261
262     SELECT @count = count(*) FROM SINHVIEN WHERE @UserName = MSSV AND @Password = MatKhau
263
264     IF @count > 0
265         SET @res = 1
266     ELSE
267         SET @res = 0
268 END
```

2.Đăng nhập

LoginAdminController.cs

```csharp
namespace OODWebsite.Controllers
{
    0 references
    public class LoginAdminController : Controller
    {
        PortalDBDataContext db = new PortalDBDataContext();
        // GET: LoginAdmin
        [HttpGet]
        0 references
        public ActionResult LoginAdmin()
        {
            return View();
        }


        [HttpPost]
        [ValidateAntiForgeryToken]
        0 references
        public ActionResult LoginAdmin(LoginNV model)
        {
            var result = new AccNV().Login(model.Email, model.Password);
            //var result = new AccNV().Login(model.Email, model.Password);
            var id = db.NVPDTs.ToList().Find(m => m.email == model.Email);

            if (result && ModelState.IsValid)
            {
                HttpCookie nameCookie = new HttpCookie("NV_ID");

                //Set the Cookie value.
                nameCookie.Values["NV_ID"] = id.MaNV.ToString();

                //Set the Expiry date.
                nameCookie.Expires = DateTime.Now.AddDays(1);

                //Add the Cookie to Browser.
                Response.Cookies.Add(nameCookie);
                return RedirectToAction("QuanLySV_GD", "QuanLySV_GD", new { Area = "NVPhongDaoTao" });
            }
            else if (model.Email != null && model.Password != null && model.Email.ToLower().Equals("admin") && model.Password.Equals("123"))
            {
                return RedirectToAction("QuanLyNV_GD", "QuanLyNV_GD", new { Area = "QuanLyHeThong" });
            }
            ModelState.AddModelError("", "Tài khoản không đúng");
            return View();
        }
    }
}
```

LoginAdmin.cshtml

```html
@{
    Layout = null;
}

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Login</title>
    <!-- Google Font: Source Sans Pro -->
    <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
    <!-- Font Awesome -->
    <link href="~/Content/all.min.css" rel="stylesheet" />
    <!-- icheck bootstrap -->
    <link href="~/Content/icheck-bootstrap.min.css" rel="stylesheet" />
    <!-- Theme style -->
    <link href="~/Content/adminlte.min.css" rel="stylesheet" />
</head>
```

```
20  <body class="hold-transition login-page">
21      <div class="login-box">
22          <!-- /.login-logo -->
23          <div class="card card-outline card-primary">
24              <div class="card-header text-center">
25                  <a href="#" class="h1"><b>Login</b></a>
26              </div>
27              <div class="card-body">
28                  <p class="login-box-msg">Sign in to start your session</p>
29                  @using (Html.BeginForm("LoginAdmin", "LoginAdmin", FormMethod.Post))
30                  {
31                      @Html.AntiForgeryToken()
32                      @Html.ValidationSummary(true, "", new { @class = "text-danger" })
33                      <div class="input-group mb-3">
34                          @Html.TextBox("Email", "", new { @class = "form-control", placeholder = "Email" })
35                          <div class="input-group-append">
36                              <div class="input-group-text">
37                                  <span class="fas "></span>
38                              </div>
39                          </div>
40                      </div>
41                      <div class="input-group mb-3">
42                          @Html.Password("Password", "", new { @class = "form-control", placeholder = "Password" })
43                          <div class="input-group-append">
44                              <div class="input-group-text">
45                                  <span class="fas"></span>
46                              </div>
47                          </div>
48                      </div>
49                      <div class="col-4">
50                          <button type="submit" class="btn btn-primary btn-block">Sign In</button>
51                      </div>
52                  }
53              </div>
54              <!-- /.card-body -->
55          </div>
56          <!-- /.card -->
57      </div>
58      <!-- /.login-box -->
59      <!-- jQuery -->
60      <script src="~/Scripts/jquery.min.js"></script>
61      <!-- Bootstrap 4 -->
62      <script src="~/Scripts/bootstrap.bundle.min.js"></script>
63      <!-- AdminLTE App -->
64      <script src="~/Scripts/adminlte.min.js"></script>
65  </body>
```
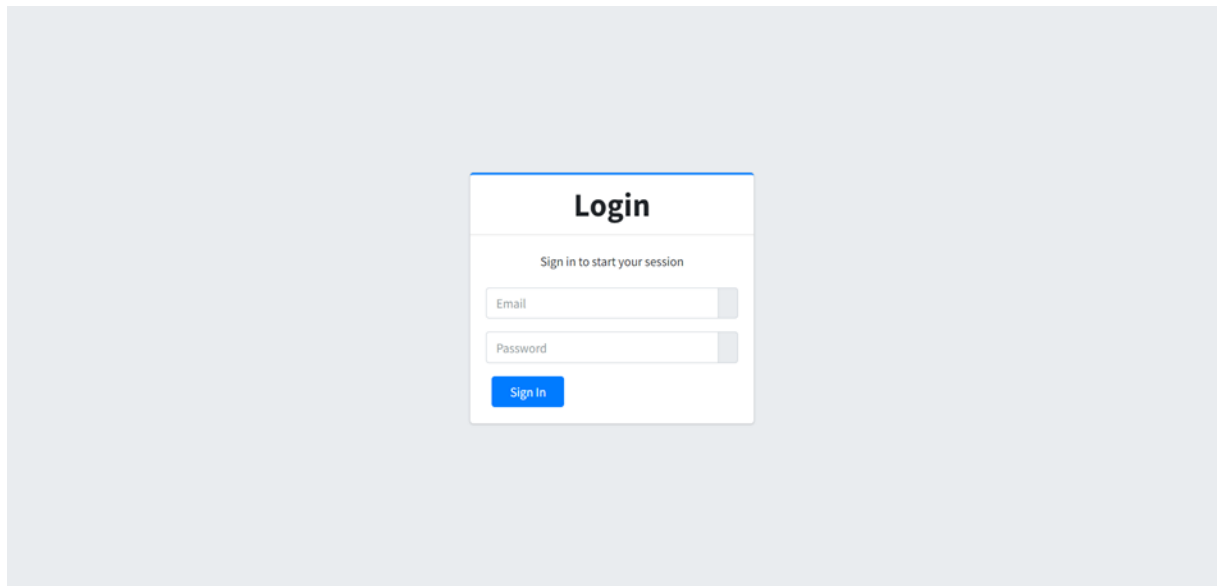
3.Quản lý sinh viên:

QuanLySV_GDController.cs

```csharp
using OODWebsite.Models;
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Reflection;
using System.Web;
using System.Web.Mvc;

namespace OODWebsite.Areas.NVPhongDaoTao.Controllers
{
    public class QuanLySV_GDController : Controller
    {
        PortalDBDataContext context = new PortalDBDataContext(); //kết nối data
        string strConString = "Data Source=NGUYENWOLF;Initial
          Catalog=CsdlPortal;Integrated Security=True";
        List<SV> model = new List<SV>();

        // GET: NVPhongDaoTao/QuanLySV_GD
        public ActionResult QuanLySV_GD(FormCollection searchdata)
        {
            using (var cn = new SqlConnection(strConString))
            {
                String sql = "SELECT SV.Id, SV.MSSV, SV.HoTen, SV.GioiTinh,
                  SV.NgaySinh, SV.MatKhau, L.TenLop, CT.TenCTDT, SV.KhoaHoc,
                  SV.MaCTDT, SV.MaLop\r\nFROM SINHVIEN AS SV\r\nINNER JOIN LOP AS
                   L ON SV.MaLop = L.MaLop\r\nINNER JOIN CTDAOTAO AS CT ON
                  SV.MaCTDT = CT.MaCTDT";
                SqlCommand cmd = new SqlCommand(sql, cn);
                cn.Open();
                SqlDataReader rdr = cmd.ExecuteReader();
                while (rdr.Read())
                {
                    var details = new SV();
                    details.ID = Convert.ToInt32(rdr["Id"].ToString());
                    details.MSSV = rdr["MSSV"].ToString();
                    details.HoTen = rdr["HoTen"].ToString();
                    details.GioiTinh = rdr["GioiTinh"].ToString();
                    details.NgaySinh = Convert.ToDateTime(rdr
                    ["NgaySinh"].ToString());
                    details.MatKhau = rdr["MatKhau"].ToString();
                    details.TenCTDT = rdr["TenCTDT"].ToString();
                    details.KhoaHoc = Convert.ToInt32(rdr["KhoaHoc"].ToString());
                    details.Lop = rdr["TenLop"].ToString();
                    details.MaCTDT = Convert.ToInt32(rdr["MaCTDT"].ToString());
                    details.MaLop = Convert.ToInt32(rdr["MaLop"].ToString());
                    model.Add(details);
                }
                if (searchdata["MSSV"] != null)
                    model = model.Where(m => m.MSSV.Contains(searchdata
                    ["MSSV"])).ToList();
```

```csharp
46                    return View(model);
47               }
48          }
49          public ActionResult Create()
50          {
51              ViewBag.TenCTDT = new SelectList(context.CTDAOTAOs, "MaCTDT",
                    "TenCTDT");
52              ViewBag.Lop = new SelectList(context.LOPs, "MaLop", "TenLop");
53              return View();
54          }
55
56          [HttpPost]
57          [ValidateAntiForgeryToken]
58          public ActionResult Create([Bind(Exclude = "Id")] SINHVIEN sv)
59          {
60              if (ModelState.IsValid)
61              {
62                  context.SINHVIENs.InsertOnSubmit(sv);
63                  context.SubmitChanges();
64                  return RedirectToAction(nameof(QuanLySV_GD));
65              }
66              ViewBag.TenCTDT = new SelectList(context.CTDAOTAOs, "MaCTDT",
                    "TenCTDT");
67              ViewBag.Lop = new SelectList(context.LOPs, "MaLop", "TenLop");
68              return View();
69          }
70
71          public ActionResult Delete(int id)
72          {
73              var sv = context.SINHVIENs.ToList().Find(m => m.Id == id);
74
75              return View(sv);
76          }
77
78
79          [HttpPost]
80          public ActionResult Delete(int id, FormCollection collection)
81          {
82              var sv = context.SINHVIENs.ToList().Find(m => m.Id == id);
83              if (sv != null)
84              {
85                  context.SINHVIENs.DeleteOnSubmit(sv);
86                  context.SubmitChanges();
87                  return RedirectToAction(nameof(QuanLySV_GD));
88              }
89              return View(sv);
90          }
91
92          public ActionResult Edit(int id)
93          {
94              ViewBag.TenCTDT = new SelectList(context.CTDAOTAOs, "MaCTDT",
                    "TenCTDT");
```

```csharp
                ViewBag.Lop = new SelectList(context.LOPs, "MaLop", "TenLop");
                var sv = context.SINHVIENs.ToList().Find(m => m.Id == id);
                return View(sv);
            }


        [HttpPost]
        public ActionResult Edit(SINHVIEN sv)
        {
            var data = context.SINHVIENs.ToList().Find(m => m.Id == sv.Id);
            if (ModelState.IsValid)
            {
                data.MSSV = sv.MSSV;
                data.HoTen = sv.HoTen;
                data.GioiTinh = sv.GioiTinh;
                data.NgaySinh = sv.NgaySinh;
                data.MatKhau = sv.MatKhau;
                data.KhoaHoc = sv.KhoaHoc;
                data.MaCTDT = sv.MaCTDT;
                data.MaLop = sv.MaLop;
                context.SubmitChanges();
                return RedirectToAction(nameof(QuanLySV_GD));
            }
            ViewBag.TenCTDT = new SelectList(context.CTDAOTAOs, "MaCTDT",
                "TenCTDT");
            ViewBag.Lop = new SelectList(context.LOPs, "MaLop", "TenLop");
            return View(sv);
        }
    }
}
```

QuanLySV_GD.cshtml

```cshtml
1    @model IEnumerable<OODWebsite.Models.SV>
2
3    @{
4        ViewBag.Title = "Quản lý sinh viên";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8    <section class="content-header">
9        <div class="container-fluid">
10           <div class="row mb-2">
11               <div class="col-sm-6">
12                   <h1>QUẢN LÝ SINH VIÊN</h1>
13               </div>
14               <div class="col-sm-6">
15                   <ol class="breadcrumb float-sm-right">
16                       <li class="breadcrumb-item"><a href='@Url.Action("QuanLySV_GD", "QuanLySV_GD")'>Home</a></li>
17                       <li class="breadcrumb-item active">Quản lý sinh viên</li>
18                   </ol>
19               </div>
20           </div>
21       </div>
22   </section>
23
24
25   <div class="pl-4 pb-4">
26       @using (Html.BeginForm())
27       {
28           <b>Tìm kiếm:</b> @Html.TextBox("MSSV")
29           <input class = "btn btn-primary" type="submit" name="submit" value="Tìm" />
30           @Html.ActionLink("Thêm", "Create", null, new { @class = "btn btn-default" })
31       }
32
```

```cshtml
25   <div class="pl-4 pb-4">
26       @using (Html.BeginForm())
27       {
28           <b>Tìm kiếm:</b> @Html.TextBox("MSSV")
29           <input class = "btn btn-primary" type="submit" name="submit" value="Tìm" />
30           @Html.ActionLink("Thêm", "Create", null, new { @class = "btn btn-default" })
31       }
32
33   </div>
34   <table class="table">
35       <tr>
36           <th>
37               @Html.DisplayName("MSSV")
38           </th>
39           <th>
40               @Html.DisplayName("Họ tên")
41           </th>
42           <th>
43               @Html.DisplayName("Giới tính")
44           </th>
45           <th>
46               @Html.DisplayName("Ngày sinh")
47           </th>
48           <th>
49               @Html.DisplayName("Mật khẩu")
50           </th>
51           <th>
52               @Html.DisplayName("Khóa học")
53           </th>
54           <th>
55               @Html.DisplayName("Lớp")
56           </th>
57           <th></th>
58       </tr>
```

```
60  @foreach (var item in Model)
61  {
62      <tr>
63          <td>
64              @Html.DisplayFor(modelItem => item.MSSV)
65          </td>
66          <td>
67              @Html.DisplayFor(modelItem => item.HoTen)
68          </td>
69          <td>
70              @Html.DisplayFor(modelItem => item.GioiTinh)
71          </td>
72          <td>
73              @Html.DisplayFor(modelItem => item.NgaySinh)
74          </td>
75          <td>
76              @Html.DisplayFor(modelItem => item.MatKhau)
77          </td>
78          <td>
79              @Html.DisplayFor(modelItem => item.KhoaHoc)
80          </td>
81          <td>
82              @Html.DisplayFor(modelItem => item.Lop)
83          </td>
84          <td>
85              @Html.ActionLink("Sửa", "Edit", null, new { id = item.ID }, new { @class = "btn btn-default" })

87              @Html.ActionLink("Xóa", "Delete", null, new { id = item.ID }, new { @class = "btn btn-default" })
88          </td>
89      </tr>
90  }
91
92  </table>
93
```


Phòng Đào Tạo

- Quản lý sinh viên
- Quản lý học phần <

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QUẢN LÝ SINH VIÊN   Home / Quản lý sinh viên

Tìm kiếm: [_____] [Tìm] [Thêm]

MSSV	Họ tên	Giới tính	Ngày sinh	Mật khẩu	Khóa học	Lớp		
19110442	Nguyễn Bá Thắng	Nam	20/04/2001	thang123	2019	19TTH1	Sửa	Xóa
19110231	Trịnh Thanh Bình	Nữ	10/11/2001	binh321	2019	19TTH1	Sửa	Xóa
19110023	Trần Đức Bo	Nữ	02/03/2001	bo445	2019	19TTH2	Sửa	Xóa
19110452	Trần Thị Thơm	Nữ	11/10/2001	thom444	2019	19TTH2	Sửa	Xóa
19110111	Trần Thới Tuấn	Nam	24/07/2001	tuanzz11	2019	19TTH1	Sửa	Xóa
19110002	Lê Thị Ánh	Nữ	29/04/2001	anhrr11	2019	19TTH3	Sửa	Xóa
19110420	Lê Văn Thanh	Nam	13/05/2001	thanhpro123	2019	19TTH1	Sửa	Xóa
19110150	Trần Thanh Tâm	Nam	16/01/2001	tam1123	2019	19TTH2	Sửa	Xóa
20110520	Trần Anh Dũng	Nam	14/12/2001	dungvl11	2020	19TTH3	Sửa	Xóa

Create.cshtml

```cshtml
1    @model OODWebsite.Models.SV
2
3    @{
4        ViewBag.Title = "Quản lý sinh viên";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8
9    @using (Html.BeginForm())
10   {
11       @Html.AntiForgeryToken()
12
13   <div class="form-horizontal">
14       <h4>Thêm tài khoản</h4>
15       <hr />
16       @Html.ValidationSummary(true, "", new { @class = "text-danger" })
17       <div class="form-group">
18           @Html.Label("MSSV", htmlAttributes: new { @class = "control-label col-md-2" })
19           <div class="col-md-10">
20               @Html.EditorFor(model => model.MSSV, new { htmlAttributes = new { @class = "form-control" } })
21               @Html.ValidationMessageFor(model => model.MSSV, "", new { @class = "text-danger" })
22           </div>
23       </div>
24
25       <div class="form-group">
26           @Html.Label("Mật khẩu", htmlAttributes: new { @class = "control-label col-md-2" })
27           <div class="col-md-10">
28               @Html.EditorFor(model => model.MatKhau, new { htmlAttributes = new { @class = "form-control" } })
29               @Html.ValidationMessageFor(model => model.MatKhau, "", new { @class = "text-danger" })
30           </div>
31       </div>
32
33       <div class="form-group">
34           @Html.Label("Họ tên", htmlAttributes: new { @class = "control-label col-md-2" })
35           <div class="col-md-10">
36               @Html.EditorFor(model => model.HoTen, new { htmlAttributes = new { @class = "form-control" } })
37               @Html.ValidationMessageFor(model => model.HoTen, "", new { @class = "text-danger" })
38           </div>
39       </div>
```

```
41     <div class="form-group">
42         @Html.Label("Giới tính", htmlAttributes: new { @class = "control-label col-md-2" })
43         <div class="col-md-10">
44             @Html.EditorFor(model => model.GioiTinh, new { htmlAttributes = new { @class = "form-control" } })
45             @Html.ValidationMessageFor(model => model.GioiTinh, "", new { @class = "text-danger" })
46         </div>
47     </div>
48
49     <div class="form-group">
50         @Html.Label("Ngày sinh", htmlAttributes: new { @class = "control-label col-md-2" })
51         <div class="col-md-10">
52             @Html.EditorFor(model => model.NgaySinh, new { htmlAttributes = new { @class = "form-control" } })
53             @Html.ValidationMessageFor(model => model.NgaySinh, "", new { @class = "text-danger" })
54         </div>
55     </div>
56
57     <div class="form-group">
58         @Html.Label("Khóa học", htmlAttributes: new { @class = "control-label col-md-2" })
59         <div class="col-md-10">
60             @Html.EditorFor(model => model.KhoaHoc, new { htmlAttributes = new { @class = "form-control" } })
61             @Html.ValidationMessageFor(model => model.KhoaHoc, "", new { @class = "text-danger" })
62         </div>
63     </div>
64
65
66     <div class="form-group">
67         @Html.Label("Tên CTDT", htmlAttributes: new { @class = "control-label col-md-2" })
68         <div class="col-md-10">
69             @Html.DropDownList("MaCTDT", ViewBag.TenCTDT as SelectList, "Chọn Chương trình đào tạo", new { @class = "text-black dropdown" })
70         </div>
71     </div>
72
73     <div class="form-group">
74         @Html.Label("Lớp", htmlAttributes: new { @class = "control-label col-md-2" })
75         <div class="col-md-10">
76             @Html.DropDownList("MaLop", ViewBag.Lop as SelectList, "Chọn Lớp", new { @class = "text-black dropdown" })
77         </div>
78     </div>
79
80
81
82     <div class="form-group">
83         <div class="col-md-offset-2 col-md-10">
84             <input type="submit" value="Thêm" class="btn btn-primary" />
85         </div>
86     </div>
87
88 </div>
89
90 <div class="pl-4">
91     @Html.ActionLink("Hủy", "QuanLySV_GD", null, new { @class = "btn btn-default" })
92 </div>
93 }
94
```

Edit.cshtml

```
1    @model OODWebsite.SINHVIEN
2
3    @{
4        ViewBag.Title = "Quản lý sinh viên";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8
9    @using (Html.BeginForm())
10   {
11       @Html.AntiForgeryToken()
12
13       <div class="form-horizontal">
14           <h4>Chỉnh sửa tài khoản</h4>
15           <hr />
16           @Html.ValidationSummary(true, "", new { @class = "text-danger" })
17           @Html.HiddenFor(model => model.Id)
18
19           <div class="form-group">
20               @Html.Label("MSSV", htmlAttributes: new { @class = "control-label col-md-2" })
21               <div class="col-md-10">
22                   @Html.EditorFor(model => model.MSSV, new { htmlAttributes = new { @class = "form-control" } })
23                   @Html.ValidationMessageFor(model => model.MSSV, "", new { @class = "text-danger" })
24               </div>
25           </div>
26
27           <div class="form-group">
28               @Html.Label("Họ tên", htmlAttributes: new { @class = "control-label col-md-2" })
29               <div class="col-md-10">
30                   @Html.EditorFor(model => model.HoTen, new { htmlAttributes = new { @class = "form-control" } })
31                   @Html.ValidationMessageFor(model => model.HoTen, "", new { @class = "text-danger" })
32               </div>
33           </div>
34
35           <div class="form-group">
36               @Html.Label("Giới tính", htmlAttributes: new { @class = "control-label col-md-2" })
37               <div class="col-md-10">
38                   @Html.EditorFor(model => model.GioiTinh, new { htmlAttributes = new { @class = "form-control" } })
39                   @Html.ValidationMessageFor(model => model.GioiTinh, "", new { @class = "text-danger" })
40               </div>
41           </div>
```

```html
43          <div class="form-group">
44              @Html.Label("Ngày sinh", htmlAttributes: new { @class = "control-label col-md-2" })
45              <div class="col-md-10">
46                  @Html.EditorFor(model => model.NgaySinh, new { htmlAttributes = new { @class = "form-control" } })
47                  @Html.ValidationMessageFor(model => model.NgaySinh, "", new { @class = "text-danger" })
48              </div>
49          </div>
50
51          <div class="form-group">
52              @Html.Label("Mật khẩu", htmlAttributes: new { @class = "control-label col-md-2" })
53              <div class="col-md-10">
54                  @Html.EditorFor(model => model.MatKhau, new { htmlAttributes = new { @class = "form-control" } })
55                  @Html.ValidationMessageFor(model => model.MatKhau, "", new { @class = "text-danger" })
56              </div>
57          </div>
58
59          <div class="form-group">
60              @Html.Label("Khóa học", htmlAttributes: new { @class = "control-label col-md-2" })
61              <div class="col-md-10">
62                  @Html.EditorFor(model => model.KhoaHoc, new { htmlAttributes = new { @class = "form-control" } })
63                  @Html.ValidationMessageFor(model => model.KhoaHoc, "", new { @class = "text-danger" })
64              </div>
65          </div>
66
67          <div class="form-group">
68              @Html.Label("Mã CTDT", htmlAttributes: new { @class = "control-label col-md-2" })
69              <div class="col-md-10">
70                  @Html.DropDownList("MaCTDT", ViewBag.TenCTDT as SelectList, "Chọn Khoa học", new { @class = "text-black dropdown" })
71              </div>
72          </div>
73
74          <div class="form-group">
75              @Html.Label("Mã lớp", htmlAttributes: new { @class = "control-label col-md-2" })
76              <div class="col-md-10">
77                  @Html.DropDownList("MaLop", ViewBag.Lop as SelectList, "Chọn Lớp", new { @class = "text-black dropdown" })
78              </div>
79          </div>
80
81          <div class="form-group">
82              <div class="col-md-offset-2 col-md-10">
83                  <input type="submit" value="Lưu" class="btn btn-primary" />
84              </div>
85          </div>
88
89      <div class="pl-4">
90          @Html.ActionLink("Hủy", "QuanLySV_GD", null, new { @class = "btn btn-default" })
91      </div>
92  }
93
94
95
```

Phòng Đào Tạo

- 👤 Quản lý sinh viên
- ▦ Quản lý học phần ‹

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Chỉnh sửa tài khoản

MSSV
19110442

Họ tên
Nguyễn Bá Thắng

Giới tính
Nam

Ngày sinh
4/20/2001 12:00:00 AM

Mật khẩu
thang123

Khóa học
2019

Mã CTDT
Cử Nhân ⌄

Mã lớp
19TTH1 ⌄

[Lưu]

[Hủy]

Delete.cshtml

```
1   @model OODWebsite.SINHVIEN
2
3   @{
4       ViewBag.Title = "Quản lý sinh viên";
5       Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6   }
7
8   @*<h3>Are you sure you want to delete this?</h3>*@
9   <div class="Delete_sv">
10      <h4>Xóa tài khoản</h4>
11      <hr />
12      <dl class="dl-horizontal">
13          <dt>
14              @Html.DisplayName("Họ tên")
15          </dt>
16
17          <dd>
18              @Html.DisplayFor(model => model.HoTen)
19          </dd>
20
21          <dt>
22              @Html.DisplayName("Giới tính")
23          </dt>
24
25          <dd>
26              @Html.DisplayFor(model => model.GioiTinh)
27          </dd>
28
29          <dt>
30              @Html.DisplayName("Ngày sinh")
31          </dt>
32
33          <dd>
34              @Html.DisplayFor(model => model.NgaySinh)
35          </dd>
36
37          <dt>
38              @Html.DisplayName("Mật khẩu")
39          </dt>
40
41          <dd>
42              @Html.DisplayFor(model => model.MatKhau)
43          </dd>
44
```

```
47        @using (Html.BeginForm()) {
48            @Html.AntiForgeryToken()
49
50            <div class="form-actions no-color">
51                <input type="submit" value="Xóa" class="btn btn-primary" />
52                @Html.ActionLink("Hủy", "QuanLySV_GD", null, new { @class = "btn btn-default" })
53            </div>
54        }
55    </div>
56
```

Phòng Đào Tạo

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👤 Quản lý sinh viên

⊞ Quản lý học phần   ‹

Xóa tài khoản

Họ tên
Nguyễn Bá Thắng

Giới tính
Nam

Ngày sinh
4/20/2001 12:00:00 AM

Mật khẩu
thang123

Xóa   Hủy

4.Danh sách học phần:

DanhsachHP_GDController.cs

```csharp
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using OODWebsite.Models;

namespace OODWebsite.Areas.NVPhongDaoTao.Controllers
{
    0 references
    public class DanhSachHP_GDController : Controller
    {
        PortalDBDataContext db = new PortalDBDataContext();

        // GET: NVPhongDaoTao/DanhSachHP_GD
        3 references
        public ActionResult DanhSachHP_GD()
        {
            var model = db.HOCPHANs.ToList();
            return View(model);

        }
        0 references
        public ActionResult Create()
        {
            ViewBag.Khoa = new SelectList(db.KHOAs, "MaSoKhoa", "TenKhoa");
            return View();
        }

        [HttpPost]
        [ValidateAntiForgeryToken]
        0 references
        public ActionResult Create([Bind(Exclude = "Id")] HOCPHAN hp)
        {
            if (ModelState.IsValid)
            {
                db.HOCPHANs.InsertOnSubmit(hp);
                db.SubmitChanges();
                return RedirectToAction(nameof(DanhSachHP_GD));
            }
            ViewBag.Khoa = new SelectList(db.KHOAs, "MaSoKhoa", "TenKhoa");
            return View(hp);
        }
```

```csharp
        0 references
        public ActionResult Edit(int id)
        {
            var hp = db.HOCPHANs.ToList().Find(m => m.MSHP == id);
            return View(hp);
        }


        [HttpPost]
        0 references
        public ActionResult Edit(HOCPHAN hp)
        {
            var data = db.HOCPHANs.ToList().Find(m => m.MSHP == hp.MSHP);
            if (ModelState.IsValid)
            {
                data.TenHP = hp.TenHP;
                data.SoTinChi = hp.SoTinChi;
                data.MaSoKhoa = hp.MaSoKhoa;
                data.TuyenQuyet = hp.TuyenQuyet;
                db.SubmitChanges();
                return RedirectToAction(nameof(DanhSachHP_GD));
            }
            ViewBag.Khoa = new SelectList(db.KHOAs, "MaSoKhoa", "TenKhoa");
            return View(hp);
        }


        0 references
        public ActionResult Delete(int id)
        {
            var hp = db.HOCPHANs.ToList().Find(m => m.MSHP == id);
            return View(hp);
        }


        [HttpPost]
        0 references
        public ActionResult Delete(int id, FormCollection collection)
        {
            var hp = db.HOCPHANs.ToList().Find(m => m.MSHP == id);
            if (hp != null)
            {
                db.HOCPHANs.DeleteOnSubmit(hp);
                db.SubmitChanges();
                return RedirectToAction(nameof(DanhSachHP_GD));
            }
            return View(hp);
        }
    }
}
```

Create.cshtml

```cshtml
@model OODWebsite.HOCPHAN

@{
    ViewBag.Title = "Thêm học phần";
    Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
}


@using (Html.BeginForm())
{
    @Html.AntiForgeryToken()

    <div class="form-horizontal">
        <h4>Thêm học phần</h4>
        <hr />
        @Html.ValidationSummary(true, "", new { @class = "text-danger" })
        <div class="form-group">
            @Html.Label("Mã học phần", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.MaHP, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.MaHP, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Tên học phần", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.TenHP, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.TenHP, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Số tín chỉ", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.SoTinChi, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.SoTinChi, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Khoa", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.DropDownList("MaSoKhoa", ViewBag.Khoa as SelectList, "Chọn Khoa", new { @class = "text-black" })
            </div>
        </div>
```

```
47
48          <div class="form-group">
49              @Html.Label("Tuyên quyết", htmlAttributes: new { @class = "control-label col-md-2" })
50              <div class="col-md-10">
51                  @Html.EditorFor(model => model.TuyenQuyet, new { htmlAttributes = new { @class = "form-control" } })
52                  @Html.ValidationMessageFor(model => model.TuyenQuyet, "", new { @class = "text-danger" })
53              </div>
54          </div>
55
56          <div class="form-group">
57              <div class="col-md-offset-2 col-md-10">
58                  <input type="submit" value="Thêm" class="btn btn-primary" />
59              </div>
60          </div>
61
62      </div>
63
64      <div class="pl-4">
65          @Html.ActionLink("Hủy", "DanhSachHP_GD", null, new { @class = "btn btn-default" })
66      </div>
67  }
68
```

Delete.cshtml

```cshtml
1    @model OODWebsite.HOCPHAN
2
3    @{
4        ViewBag.Title = "Danh sách học phần";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8    @*<h3>Are you sure you want to delete this?</h3>*@
9    <div class="Delete_hp">
10       <h4>Xóa học phhần</h4>
11       <hr />
12       <dl class="dl-horizontal">
13           <dt>
14               @Html.DisplayName("Mã học phần")
15           </dt>
16
17           <dd>
18               @Html.DisplayFor(model => model.MaHP)
19           </dd>
20
21           <dt>
22               @Html.DisplayName("Tên học phần")
23           </dt>
24
25           <dd>
26               @Html.DisplayFor(model => model.TenHP)
27           </dd>
28
29           <dt>
30               @Html.DisplayName("Số tín chỉ")
31           </dt>
32
33           <dd>
34               @Html.DisplayFor(model => model.SoTinChi)
35           </dd>
36
37           <dt>
38               @Html.DisplayName("Mã số khoa")
39           </dt>
40
41           <dd>
42               @Html.DisplayFor(model => model.MaSoKhoa)
43           </dd>
44
45           <dt>
46               @Html.DisplayName("Tuyên quyết")
47           </dt>
48
49           <dd>
50               @Html.DisplayFor(model => model.TuyenQuyet)
51           </dd>
52
53       </dl>
54
55       @using (Html.BeginForm()) {
56           @Html.AntiForgeryToken()
57
58       <div class="form-actions no-color">
59           <input type="submit" value="Xóa" class="btn btn-primary" />
60               @Html.ActionLink("Hủy", "DanhSachHP_GD", null, new { @class = "btn btn-default" })
61
62       </div>
63       }
64   </div>
65
```

👤 Quản lý sinh viên

▦ Quản lý học phần ‹

Xóa học phần

Mã học phần
MTH10310

Tên học phần
Lập Trình.Net

Số tín chỉ
4

Mã số khoa
1

Tuyên quyết

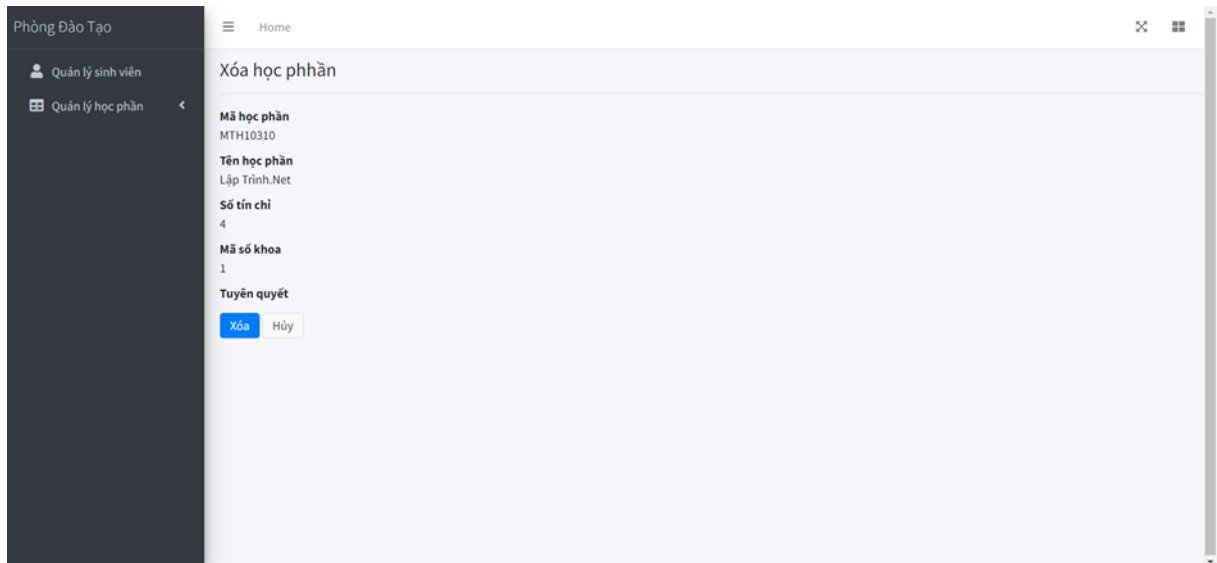[Xóa] [Hủy]

Edit.cshtml

```
1    @model OODWebsite.HOCPHAN
2
3    @{
4        ViewBag.Title = "Danh sách học phần";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8    @using (Html.BeginForm())
9    {
10       @Html.AntiForgeryToken()
11
12       <div class="form-horizontal">
13           <h4>Chỉnh sửa học phần</h4>
14           <hr />
15           @Html.ValidationSummary(true, "", new { @class = "text-danger" })
16           @Html.HiddenFor(model => model.MSHP)
17
18           <div class="form-group">
19               @Html.Label("Mã học phần", htmlAttributes: new { @class = "control-label col-md-2" })
20               <div class="col-md-10">
21                   @Html.EditorFor(model => model.MaHP, new { htmlAttributes = new { @class = "form-control" } })
22                   @Html.ValidationMessageFor(model => model.MaHP, "", new { @class = "text-danger" })
23               </div>
24           </div>
25
26           <div class="form-group">
27               @Html.Label("Tên học phần", htmlAttributes: new { @class = "control-label col-md-2" })
28               <div class="col-md-10">
29                   @Html.EditorFor(model => model.TenHP, new { htmlAttributes = new { @class = "form-control" } })
30                   @Html.ValidationMessageFor(model => model.TenHP, "", new { @class = "text-danger" })
31               </div>
32           </div>
33
34           <div class="form-group">
35               @Html.Label("Số tín chỉ", htmlAttributes: new { @class = "control-label col-md-2" })
36               <div class="col-md-10">
37                   @Html.EditorFor(model => model.SoTinChi, new { htmlAttributes = new { @class = "form-control" } })
38                   @Html.ValidationMessageFor(model => model.SoTinChi, "", new { @class = "text-danger" })
39               </div>
40           </div>
41
42           <div class="form-group">
43               @Html.Label("Mã số khoa", htmlAttributes: new { @class = "control-label col-md-2" })
44               <div class="col-md-10">
45                   @Html.EditorFor(model => model.MaSoKhoa, new { htmlAttributes = new { @class = "form-control" } })
46                   @Html.ValidationMessageFor(model => model.MaSoKhoa, "", new { @class = "text-danger" })
47               </div>
48           </div>
49
50           <div class="form-group">
51               @Html.Label("Tuyên quyết", htmlAttributes: new { @class = "control-label col-md-2" })
52               <div class="col-md-10">
53                   @Html.EditorFor(model => model.TuyenQuyet, new { htmlAttributes = new { @class = "form-control" } })
54                   @Html.ValidationMessageFor(model => model.TuyenQuyet, "", new { @class = "text-danger" })
55               </div>
56           </div>
57
58           <div class="form-group">
59               <div class="col-md-offset-2 col-md-10">
60                   <input type="submit" value="Lưu" class="btn btn-primary" />
61               </div>
62           </div>
63
64
65       </div>
66
67       <div class="pl-4">
68           @Html.ActionLink("Hủy", "DanhSachHP_GD", null, new { @class = "btn btn-default" })
69       </div>
70
71   }
```

5.Danh sách lớp học phần

DanhsachLHP_GDController.cs

```csharp
using OODWebsite.Models;
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Security.Cryptography;
using System.Web;
using System.Web.Mvc;


namespace OODWebsite.Areas.NVPhongDaoTao.Controllers
{
    0 references
    public class DanhSachLHP_GDController : Controller
    {
        string strConString = "Data Source=NGUYENWOLF;Initial Catalog=CsdlPortal;Integrated Security=True";
        PortalDBDataContext context = new PortalDBDataContext();
        List<DSLHP> model = new List<DSLHP>();
        DateTime nam = DateTime.Now;


        // GET: NVPhongDaoTao/DanhSachLHP_GD
        3 references
        public ActionResult Index(FormCollection searchdata)
        {

            using (var cn = new SqlConnection(strConString))
            {
                String sql = "SELECT  HP.MaHP,HP.TenHP,HP.SoTinChi,LHP.MaLHP," +
                    "\r\n\t\tLHP.TenLop,LHP.SiSo,LHP.LT_TH, LHP.Thu," +
                    "\r\n\t\tLHP.TietBD,LHP.TietKT,LHP.Phong," +
                    "\r\n\t\tLHP.DiaDiem,M.HocKy, M.Nam," +
                    "\r\n\t\tGV.HoTen\r\nFROM MOLOP AS M" +
                    "\r\nINNER JOIN LOPHOCPHAN AS LHP ON M.MaLHP = LHP.MaLHP " +
                    "\r\nINNER JOIN HOCPHAN AS HP ON M.MSHP = HP.MSHP" +
                    "\r\nINNER JOIN GIANGVIEN AS GV ON M.MaGV = GV.MaGV" +
                    "\r\nGROUP BY HP.MaHP,HP.TenHP,HP.SoTinChi,LHP.MaLHP," +
                    "\r\n\t\tLHP.TenLop,LHP.SiSo,LHP.LT_TH, LHP.Thu," +
                    "\r\n\t\tLHP.TietBD,LHP.TietKT,LHP.Phong," +
                    "\r\n\t\tLHP.DiaDiem,M.HocKy, M.Nam," +
                    "\r\n\t\tGV.HoTen\r\n";
                SqlCommand cmd = new SqlCommand(sql, cn);
                cn.Open();
                SqlDataReader rdr = cmd.ExecuteReader();
```

```csharp
while (rdr.Read())
{
    var details = new DSLHP();
    details.MaHP = rdr["MaHP"].ToString();
    details.TenHP = rdr["TenHP"].ToString();
    details.MaLHP = Convert.ToInt32(rdr["MaLHP"].ToString());
    details.TenLop = rdr["TenLop"].ToString();
    details.SiSo = Convert.ToInt32(rdr["SiSo"].ToString());
    details.SoTinChi = Convert.ToInt32(rdr["SoTinChi"].ToString());
    details.LT_TH = rdr["LT_TH"].ToString();
    details.Phong = rdr["Phong"].ToString();
    details.DiaDiem = rdr["DiaDiem"].ToString();
    details.Thu = rdr["Thu"].ToString();
    details.TietBD = Convert.ToInt32(rdr["TietBD"].ToString());
    details.TietKT = Convert.ToInt32(rdr["TietKT"].ToString());
    details.HocKy = Convert.ToInt32(rdr["HocKy"].ToString());
    details.Nam = Convert.ToInt32(rdr["Nam"].ToString());
    details.GV = rdr["HoTen"].ToString();
    model.Add(details);
}
if (searchdata["Nam"] != "")
{
    model = model.Where(m => m.Nam == Convert.ToInt32(searchdata["Nam"])).ToList();
    model = model.Where(m => m.HocKy == Convert.ToInt32(searchdata["HocKy"])).ToList();
    return View(model);
}
return View(model.FindAll(m => m.Nam == Convert.ToInt32(nam.Year)));
}
}
```

```csharp
        // GET: NVPhongDaoTao/DanhSachLHP_GD/Create
        0 references
        public ActionResult Create()
        {
            ViewBag.HP = new SelectList(context.HOCPHANs, "MSHP", "TenHP");
            ViewBag.GV = new SelectList(context.GIANGVIENs, "MaGV", "HoTen");

            return View();

        }

        [HttpPost]
        [ValidateAntiForgeryToken]
        0 references
        public ActionResult Create([Bind(Exclude = "Id")] LOPHOCPHAN lhp, MOLOP ml)
        {
            HttpCookie nameCookie = Request.Cookies["NV_ID"];
            string manv = nameCookie.Values["NV_ID"];
            if (ModelState.IsValid)
            {
                context.LOPHOCPHANs.InsertOnSubmit(lhp);
                context.SubmitChanges();
                using (var cn = new SqlConnection(strConString))
                {
                    String sql = "SELECT Max(MaLHP) AS MaLHP\r\nFROM LOPHOCPHAN";
                    SqlCommand cmd = new SqlCommand(sql, cn);
                    cn.Open();
                    SqlDataReader rdr = cmd.ExecuteReader();
                    while (rdr.Read())
                    {
                        MOLOP data = new MOLOP();
                        data.MaLHP = Convert.ToInt32(rdr["MaLHP"].ToString());
                        data.MaNV = Convert.ToInt32(manv);
                        data.MaGV = ml.MaGV;
                        data.HocKy = ml.HocKy;
                        data.Nam = Convert.ToInt32(nam.Year);
                        data.MSHP = ml.MSHP;
                        context.MOLOPs.InsertOnSubmit(data);
                        context.SubmitChanges();
                    }
                }
                return RedirectToAction(nameof(Index));
            }
            ViewBag.HP = new SelectList(context.HOCPHANs, "MSHP", "TenHP");
            ViewBag.GV = new SelectList(context.GIANGVIENs, "MaGV", "HoTen");
            return View();
        }

        // GET: NVPhongDaoTao/DanhSachLHP_GD/Edit/5
        0 references
        public ActionResult Edit(int id)
        {
            ViewBag.HP = new SelectList(context.HOCPHANs, "MSHP", "TenHP");
            ViewBag.GV = new SelectList(context.GIANGVIENs, "MaGV", "HoTen");
            using (var cn = new SqlConnection(strConString))
            {
                String sql = "SELECT  HP.MaHP,HP.TenHP, LHP.MaLHP," +
                    "\r\n\t\tLHP.SiSo,LHP.TenLop,LHP.LT_TH," +
                    "\r\n\t\tLHP.Thu, LHP.TietBD,LHP.TietKT," +
                    "\r\n\t\tLHP.Phong,LHP.DiaDiem, M.HocKy" +
                    ",\r\n\t\tM.Nam\r\nFROM MOLOP AS M" +
                    "\r\nINNER JOIN LOPHOCPHAN AS LHP ON M.MaLHP = LHP.MaLHP " +
                    "\r\nINNER JOIN HOCPHAN AS HP ON M.MSHP = HP.MSHP" +
                    "\r\nGROUP BY HP.MaHP,HP.TenHP, LHP.MaLHP" +
                    ",\r\n\t\tLHP.SiSo,LHP.TenLop,LHP.LT_TH," +
                    "\r\n\t\tLHP.Thu, LHP.TietBD,LHP.TietKT," +
                    "\r\n\t\tLHP.Phong,LHP.DiaDiem, M.HocKy,\r\n\t\tM.Nam";
                SqlCommand cmd = new SqlCommand(sql, cn);
                cn.Open();
                SqlDataReader rdr = cmd.ExecuteReader();
                while (rdr.Read())
                {
                    var details = new DSLHP();
                    details.MaHP = rdr["MaHP"].ToString();
                    details.TenHP = rdr["TenHP"].ToString();
                    details.MaLHP = Convert.ToInt32(rdr["MaLHP"].ToString());
                    details.TenLop = rdr["TenLop"].ToString();
                    details.LT_TH = rdr["LT_TH"].ToString();
                    details.SiSo = Convert.ToInt32(rdr["SiSo"].ToString());
                    details.Phong = rdr["Phong"].ToString();
                    details.DiaDiem = rdr["DiaDiem"].ToString();
                    details.Thu = rdr["Thu"].ToString();
                    details.TietBD = Convert.ToInt32(rdr["TietBD"].ToString());
                    details.TietKT = Convert.ToInt32(rdr["TietKT"].ToString());
                    details.HocKy = Convert.ToInt32(rdr["HocKy"].ToString());
                    details.Nam = Convert.ToInt32(rdr["Nam"].ToString());
                    model.Add(details);
                }
                var lhp = model.ToList().Find(m => m.MaLHP == id);
                return View(lhp);
            }

        }
```

```csharp
            }

            // POST: NVPhongDaoTao/DanhSachLHP_GD/Edit/5
            [HttpPost]
            [ValidateAntiForgeryToken]
            0 references
            public ActionResult Edit([Bind(Exclude = "Id")] LOPHOCPHAN lhp, MOLOP ml)
            {
                var data1 = context.LOPHOCPHANs.ToList().Find(m => m.MaLHP == lhp.MaLHP);
                var data2 = context.MOLOPs.ToList().Find(m => m.MaLHP == lhp.MaLHP);

                if (ModelState.IsValid)
                {
                    HttpCookie nameCookie = Request.Cookies["NV_ID"];
                    string manv = nameCookie.Values["NV_ID"];

                    data1.TenLop = lhp.TenLop;
                    data1.SiSo = lhp.SiSo;
                    data1.LT_TH = lhp.LT_TH;
                    data1.Thu = lhp.Thu;
                    data1.TietBD = lhp.TietBD;
                    data1.TietKT = lhp.TietKT;
                    data1.Phong = lhp.Phong;
                    data1.DiaDiem = lhp.DiaDiem;

                    ml.MaLHP = data2.MaLHP;
                    ml.MSHP = data2.MSHP;
                    ml.Nam = data2.Nam;
                    ml.MaNV = Convert.ToInt32(manv);
                    ml.HocKy = data2.HocKy;

                    context.MOLOPs.DeleteOnSubmit(data2);
                    context.MOLOPs.InsertOnSubmit(ml);

                    context.SubmitChanges();
                    return RedirectToAction(nameof(Index));
                }
                ViewBag.HP = new SelectList(context.HOCPHANs, "MSHP", "TenHP");
                ViewBag.GV = new SelectList(context.GIANGVIENs, "MaGV", "HoTen");
                return View();
            }

            // GET: NVPhongDaoTao/DanhSachLHP_GD/Delete/5
            0 references
            public ActionResult Delete(int id)
            {
                using (var cn = new SqlConnection(strConString))
                {
                    String sql = "SELECT  HP.MaHP,HP.TenHP, LHP.MaLHP," +
                        "\r\n\t\tLHP.TenLop,LHP.LT_TH," +
                        "\r\n\t\tLHP.Thu, LHP.TietBD,LHP.TietKT," +
                        "\r\n\t\tLHP.Phong,LHP.DiaDiem, M.HocKy," +
                        "\r\n\t\tM.Nam\r\nFROM MOLOP AS M" +
                        "\r\nINNER JOIN LOPHOCPHAN AS LHP ON M.MaLHP = LHP.MaLHP " +
                        "\r\nINNER JOIN HOCPHAN AS HP ON M.MSHP = HP.MSHP" +
                        "\r\nGROUP BY HP.MaHP,HP.TenHP, LHP.MaLHP," +
                        "\r\n\t\tLHP.TenLop,LHP.LT_TH,\r\n\t\tLHP.Thu, LHP.TietBD,LHP.TietKT," +
                        "\r\n\t\tLHP.Phong,LHP.DiaDiem, M.HocKy,\r\n\t\tM.Nam";
                    SqlCommand cmd = new SqlCommand(sql, cn);
                    cn.Open();
                    SqlDataReader rdr = cmd.ExecuteReader();
                    while (rdr.Read())
                    {
                        var details = new DSLHP();
                        details.MaHP = rdr["MaHP"].ToString();
                        details.TenHP = rdr["TenHP"].ToString();
                        details.MaLHP = Convert.ToInt32(rdr["MaLHP"].ToString());
                        details.TenLop = rdr["TenLop"].ToString();
                        details.LT_TH = rdr["LT_TH"].ToString();
                        details.Phong = rdr["Phong"].ToString();
                        details.DiaDiem = rdr["DiaDiem"].ToString();
                        details.Thu = rdr["Thu"].ToString();
                        details.TietBD = Convert.ToInt32(rdr["TietBD"].ToString());
                        details.TietKT = Convert.ToInt32(rdr["TietKT"].ToString());
                        model.Add(details);
                    }
                    var lhp = model.ToList().Find(m => m.MaLHP == id);
                    return View(lhp);

                }
            }
```

```
241
242                    // POST: NVPhongDaoTao/DanhSachLHP_GD/Delete/5
243                    [HttpPost]
                       0 references
244                    public ActionResult Delete(int id, FormCollection collection)
245                    {
246                        var lhp = context.LOPHOCPHANs.ToList().Find(m=>m.MaLHP == id);
247                        var ml = context.MOLOPs.ToList().Find(m => m.MaLHP == id);
248                        if (lhp != null)
249                        {
250                            context.LOPHOCPHANs.DeleteOnSubmit(lhp);
251                            context.MOLOPs.DeleteOnSubmit(ml);
252                            context.SubmitChanges();
253                            return RedirectToAction(nameof(Index));
254                        }
255
256                        return View();
257
258                    }
259                }
260            }
261
262
```

Index.cshtml

```
1    @model IEnumerable<OODWebsite.Models.DSLHP>
2
3    @{
4        ViewBag.Title = "Danh sách lớp học phần";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8    <section class="content-header">
9        <div class="container-fluid">
10           <div class="row mb-2">
11               <div class="col-sm-6">
12                   <h1>DANH SÁCH LỚP HỌC PHẦN</h1>
13               </div>
14               <div class="col-sm-6">
15                   <ol class="breadcrumb float-sm-right">
16                       <li class="breadcrumb-item"><a href='@Url.Action("QuanLySV_GD", "QuanLySV_GD")'>Home</a></li>
17                       <li class="breadcrumb-item active">Danh sách lớp học phần</li>
18                   </ol>
19               </div>
20           </div>
21       </div>
22   </section>
23
24
25   <div class="pl-4 pb-4">
26       @using (Html.BeginForm())
27       {
28           @Html.ActionLink("Thêm", "Create", null, new { @class = "btn btn-default" })
29           <b class="pl-5">Tìm kiếm:</b> @Html.DropDownList("Nam", Enumerable.Range(2019, 100).Select(i => new SelectListItem { Text = i.ToString(), Value = i.ToString() }))
30           @Html.DropDownList("HocKy", Enumerable.Range(1, 3).Select(i => new SelectListItem { Text = i.ToString(), Value = i.ToString() }))
31           <input type="submit" value="Tìm" class="btn btn-primary" />
32       }
33   </div>
```

```
33          </div>
34
35    <table class="table">
36        <tr>
37            <th>
38                @Html.DisplayName("Mã học phần")
39            </th>
40            <th>
41                @Html.DisplayName("Tên học phần")
42            </th>
43            <th>
44                @Html.DisplayName("Tên lớp")
45            </th>
46            <th>
47                @Html.DisplayName("Sĩ số")
48            </th>
49            <th>
50                @Html.DisplayName("Số tín chỉ")
51            </th>
52            <th>
53                @Html.DisplayName("LT-TH")
54            </th>
55            <th>
56                @Html.DisplayName("Phòng")
57            </th>
58            <th class="text-center">
59                @Html.DisplayName("Thứ")
60            </th>
61            <th>
62                @Html.DisplayName("Tiết bắt đầu")
63            </th>
64            <th>
65                @Html.DisplayName("Tiết kết thúc")
66            </th>
67            <th>
68                @Html.DisplayName("Địa điểm")
69            </th>
70            <th>
71                @Html.DisplayName("Giảng Viên")
72            </th>
73            <th></th>
74        </tr>
75
76    @foreach (var item in Model)
77    {
78        <tr>
79            <td>
80                @Html.DisplayFor(modelItem => item.MaHP)
81            </td>
82            <td>
83                @Html.DisplayFor(modelItem => item.TenHP)
84            </td>
85            <td>
86                @Html.DisplayFor(modelItem => item.TenLop)
87            </td>
88            <td>
89                @Html.DisplayFor(modelItem => item.SiSo)
90            </td>
91            <td>
92                @Html.DisplayFor(modelItem => item.SoTinChi)
93            </td>
94            <td>
95                @Html.DisplayFor(modelItem => item.LT_TH)
96            </td>
97            <td>
98                @Html.DisplayFor(modelItem => item.Phong)
99            </td>
100            <td class="text-center">
101                @Html.DisplayFor(modelItem => item.Thu)
102            </td>
103            <td class="text-center">
104                @Html.DisplayFor(modelItem => item.TietBD)
105            </td>
106            <td class="text-center">
107                @Html.DisplayFor(modelItem => item.TietKT)
108            </td>
109            <td>
110                @Html.DisplayFor(modelItem => item.DiaDiem)
111            </td>
112            <td>
113                @Html.DisplayFor(modelItem => item.GV)
114            </td>
115            <td>
116                @Html.ActionLink("Sửa", "Edit", null, new { id = item.MaLHP }, new { @class = "btn btn-default" })
117
118                @Html.ActionLink("Xóa", "Delete", null, new { id = item.MaLHP }, new { @class = "btn btn-default" })
119            </td>
120        </tr>
121    }
122
123    </table>
```

Phòng Đào Tạo

- 👤 Quản lý sinh viên
- ▦ **Quản lý học phần** ∨
  - ○ Danh sách học phần
  - ○ Danh sách lớp học phần
  - ○ Kết quả đăng kí học phần

DANH SÁCH LỚP HỌC PHẦN

Thêm

Mã học phần	Tên học phần	Tên lớp	Sĩ số	Số tín chỉ	LT-TH	Phòng	Thứ	Tiết bắt đầu	Tiết kết thúc	Địa điểm	Giảng Viên	
MTH10308	Phát triển phần mềm hướng đối tượng	19TTH	50	4	LT	B44	3	5	6	NVC	Phạm Thị Vương	Sửa Xóa
MTH10309	Quản trị hệ thống mạng	19TTH	50	4	LT	F303	3	7	9	NVC	NoName	Sửa Xóa
MTH10310	Lập Trình.Net	20TTH	100	4	LT	E402	7	1	3	NVC	Trần Anh Tuấn A	Sửa Xóa
MTH10315	Phân tích và thiết kế hệ thống thông tin	20TTH	50	4	LT	F208	4	7	9	LT	Nguyễn Hiền Lương	Sửa Xóa
MTH10316	Lập trình Java	20TTH	50	3	TH	P máy	2	9	10	NVC	Hà Văn Thảo	Sửa Xóa
MTH10317	Phân tích & xử lý ảnh	20TTH	100	4	LT	F301	6	7	9	NVC	Trần Anh Tuấn A	Sửa

Create.cshtml

```cshtml
@model OODWebsite.Models.DSLHP

@{
    ViewBag.Title = "Danh sách lớp học phần";
    Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
}

@using (Html.BeginForm())
{
    @Html.AntiForgeryToken()

    <div class="form-horizontal">
        <h4>Thêm lớp học phần</h4>
        <hr />
        @Html.ValidationSummary(true, "", new { @class = "text-danger" })

        <div class="form-group">
            @Html.Label("Tên học phần", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.DropDownList("MaHP", ViewBag.HP as SelectList, "Chọn học phần", new { @class = "text-black" }
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Tên lớp", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.TenLop, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.TenLop, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Thuộc Khóa", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.KhoaHoc, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.KhoaHoc, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Sĩ số", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.SiSo, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.SiSo, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("LT-TH", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.LT_TH, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.LT_TH, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Phòng", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.Phong, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.Phong, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Thứ", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.Thu, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.Thu, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Tiết bắt đầu", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.TietBD, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.TietBD, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Tiết kết thúc", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.TietKT, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.TietKT, "", new { @class = "text-danger" })
            </div>
        </div>

        <div class="form-group">
            @Html.Label("Địa điểm", htmlAttributes: new { @class = "control-label col-md-2" })
            <div class="col-md-10">
                @Html.EditorFor(model => model.DiaDiem, new { htmlAttributes = new { @class = "form-control" } })
                @Html.ValidationMessageFor(model => model.DiaDiem, "", new { @class = "text-danger" })
            </div>
        </div>
```

```
 97     ⊟      <div class="form-group">
 98     │         @Html.Label("Giảng viên", htmlAttributes: new { @class = "control-label col-md-2" })
 99     ⊟         <div class="col-md-10">
100     │             @Html.DropDownList("MaGV", ViewBag.GV as SelectList, "Chọn giáo viên", new { @class = "text-black" })
101     │         </div>
102     │      </div>
103
104     ⊟      <div class="form-group">
105     │         @Html.Label("Học kì", htmlAttributes: new { @class = "control-label col-md-2" })
106     ⊟         <div class="col-md-10">
107     │             @Html.EditorFor(model => model.HocKy, new { htmlAttributes = new { @class = "form-control" } })
108     │             @Html.ValidationMessageFor(model => model.HocKy, "", new { @class = "text-danger" })
109     │         </div>
110     │      </div>
111
112     ⊟      <div class="form-group">
113     ⊟         <div class="col-md-offset-2 col-md-10">
114     │             <input type="submit" value="Thêm" class="btn btn-primary" />
115     │         </div>
116     │      </div>
117
118
119     </div>
120
121     ⊟      <div class="pl-4">
122     │         @Html.ActionLink("Hủy", "Index", null, new { @class = "btn btn-default" })
123     │      </div>
124     }
```


Phòng Đào Tạo

- Quản lý sinh viên
- Quản lý học phần ‹

≡ Home

Thêm lớp học phần

Tên học phần
[Chọn học phần ▾]

Tên lớp
[   ]

Thuộc Khóa
[   ]

Sĩ số
[   ]

LT-TH
[   ]

Phòng
[   ]

Thứ
[   ]

Thứ
[   ]

Tiết bắt đầu
[   ]

Tiết kết thúc
[   ]

Địa điểm
[   ]

Giảng viên
[Chọn giáo viên ▾]

Học kì
[   ]

[Thêm]

Hủy

Delete.cshtml

```
1    @model OODWebsite.Models.DSLHP
2
3    @{
4        ViewBag.Title = "Danh sách lớp học phần";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7    @*<h3>Are you sure you want to delete this?</h3>*@
8    <div class="Delete_hp">
9        <h4>Xóa lớp học phần</h4>
10       <hr />
11       <dl class="dl-horizontal">
12           <dt>
13               @Html.DisplayName("Mã học phần")
14           </dt>
15
16           <dd>
17               @Html.DisplayFor(model => model.MaHP)
18           </dd>
19
20           <dt>
21               @Html.DisplayName("Tên học phần")
22           </dt>
23
24           <dd>
25               @Html.DisplayFor(model => model.TenHP)
26           </dd>
27
28           <dt>
29               @Html.DisplayName("Tên lớp")
30           </dt>
31
32           <dd>
33               @Html.DisplayFor(model => model.TenLop)
34           </dd>
35
36           <dt>
37               @Html.DisplayName("LT-TH")
38           </dt>
39
40           <dd>
41               @Html.DisplayFor(model => model.LT_TH)
42           </dd>
43
44           <dt>
45               @Html.DisplayName("Phòng")
46           </dt>
47
48           <dd>
49               @Html.DisplayFor(model => model.Phong)
50           </dd>
51
52           <dt>
53               @Html.DisplayName("Thứ")
54           </dt>
55
56           <dd>
57               @Html.DisplayFor(model => model.Thu)
58           </dd>
59
60           <dt>
61               @Html.DisplayName("Tiết bắt đầu")
62           </dt>
63
64           <dd>
65               @Html.DisplayFor(model => model.TietBD)
66           </dd>
67
68           <dt>
69               @Html.DisplayName("Tiết kết thúc")
70           </dt>
71
72           <dd>
73               @Html.DisplayFor(model => model.TietKT)
74           </dd>
75
76           <dt>
77               @Html.DisplayName("Địa điểm")
78           </dt>
79
80           <dd>
81               @Html.DisplayFor(model => model.DiaDiem)
82           </dd>
83       </dl>
84
85       @using (Html.BeginForm()) {
86           @Html.AntiForgeryToken()
87
88           <div class="form-actions no-color">
89               <input type="submit" value="Xóa" class="btn btn-primary" />
90               @Html.ActionLink("Hủy", "Index", null, new { @class = "btn btn-default" })
91           </div>
92       }
93   </div>
```

Phòng Đào Tạo

👤 Quản lý sinh viên

⊞ Quản lý học phần ‹

Xóa lớp học phần

Mã học phần
MTH10308

Tên học phần
Phát triển phần mềm hướng đối tượng

Tên lớp
19TTH

LT-TH
LT

Phòng
B44

Thứ
3

Tiết bắt đầu
5

Tiết kết thúc
6

Địa điểm
NVC

[Xóa] [Hủy]

Edit.cshtml

```
1    @model OODWebsite.Models.DSLHP
2
3    @{
4        ViewBag.Title = "Danh sách lớp học phần";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8    @using (Html.BeginForm())
9    {
10       @Html.AntiForgeryToken()
11
12       <div class="form-horizontal">
13           <h4>Chỉnh sửa lớp học phần</h4>
14           <hr />
15           @Html.ValidationSummary(true, "", new { @class = "text-danger" })
16           @Html.HiddenFor(model => model.MaLHP)
17
18           <div class="form-group">
19               @Html.Label("Tên lớp", htmlAttributes: new { @class = "control-label col-md-2" })
20               <div class="col-md-10">
21                   @Html.EditorFor(model => model.TenLop, new { htmlAttributes = new { @class = "form-control" } })
22                   @Html.ValidationMessageFor(model => model.TenLop, "", new { @class = "text-danger" })
23               </div>
24           </div>
25
26           <div class="form-group">
27               @Html.Label("Sĩ số", htmlAttributes: new { @class = "control-label col-md-2" })
28               <div class="col-md-10">
29                   @Html.EditorFor(model => model.SiSo, new { htmlAttributes = new { @class = "form-control" } })
30                   @Html.ValidationMessageFor(model => model.SiSo, "", new { @class = "text-danger" })
31               </div>
32           </div>
33
34           <div class="form-group">
35               @Html.Label("LT-TH", htmlAttributes: new { @class = "control-label col-md-2" })
36               <div class="col-md-10">
37                   @Html.EditorFor(model => model.LT_TH, new { htmlAttributes = new { @class = "form-control" } })
38                   @Html.ValidationMessageFor(model => model.LT_TH, "", new { @class = "text-danger" })
39               </div>
40           </div>
41
42           <div class="form-group">
43               @Html.Label("Phòng", htmlAttributes: new { @class = "control-label col-md-2" })
44               <div class="col-md-10">
45                   @Html.EditorFor(model => model.Phong, new { htmlAttributes = new { @class = "form-control" } })
46                   @Html.ValidationMessageFor(model => model.Phong, "", new { @class = "text-danger" })
47               </div>
48           </div>
49
50           <div class="form-group">
51               @Html.Label("Thứ", htmlAttributes: new { @class = "control-label col-md-2" })
52               <div class="col-md-10">
53                   @Html.EditorFor(model => model.Thu, new { htmlAttributes = new { @class = "form-control" } })
54                   @Html.ValidationMessageFor(model => model.Thu, "", new { @class = "text-danger" })
55               </div>
56           </div>
57
58           <div class="form-group">
59               @Html.Label("Tiết bắt đầu", htmlAttributes: new { @class = "control-label col-md-2" })
60               <div class="col-md-10">
61                   @Html.EditorFor(model => model.TietBD, new { htmlAttributes = new { @class = "form-control" } })
62                   @Html.ValidationMessageFor(model => model.TietBD, "", new { @class = "text-danger" })
63               </div>
64           </div>
65
66           <div class="form-group">
67               @Html.Label("Tiết kết thúc", htmlAttributes: new { @class = "control-label col-md-2" })
68               <div class="col-md-10">
69                   @Html.EditorFor(model => model.TietKT, new { htmlAttributes = new { @class = "form-control" } })
70                   @Html.ValidationMessageFor(model => model.TietKT, "", new { @class = "text-danger" })
71               </div>
72           </div>
73
74           <div class="form-group">
75               @Html.Label("Địa điểm", htmlAttributes: new { @class = "control-label col-md-2" })
76               <div class="col-md-10">
77                   @Html.EditorFor(model => model.DiaDiem, new { htmlAttributes = new { @class = "form-control" } })
78                   @Html.ValidationMessageFor(model => model.DiaDiem, "", new { @class = "text-danger" })
79               </div>
80           </div>
81
82           <div class="form-group">
83               @Html.Label("Giảng viên", htmlAttributes: new { @class = "control-label col-md-2" })
84               <div class="col-md-10">
85                   @Html.DropDownList("MaGV", ViewBag.GV as SelectList, "Chọn giáo viên", new { @class = "text-black" })
86               </div>
87           </div>
88
89           <div class="form-group">
90               <div class="col-md-offset-2 col-md-10">
91                   <input type="submit" value="Lưu" class="btn btn-primary" />
92               </div>
93           </div>
94
95       </div>
```

```
95          </div>
96
97   ☐      <div class="pl-4">
98              @Html.ActionLink("Hủy", "Index", null, new { @class = "btn btn-default" })
99          </div>
100  ]
101
```


Phòng Đào Tạo

- Quản lý sinh viên
- Quản lý học phần

Chinh sửa lớp học phần

Tên lớp
19TTH

Sĩ số
50

LT-TH
LT

Phòng
B44

Thứ
3

Tiết bắt đầu
5

Tiết kết thúc
6

Địa điểm
NVC

Giảng viên
NoName

Lưu

Hủy

6.Kết quả đăng ký học phần

DanhSachKQDK_GDCotroller.cs

```
8    ☐namespace OODWebsite.Areas.NVPhongDaoTao.Controllers
9    {
          0 references
10   ☐    public class DanhSachKQDK_GDController : Controller
11        {
12            string strConString = "Data Source=NGUYENWOLF;Initial Catalog=CsdlPortal;Integrated Security=True";
13            // GET: NVPhongDaoTao/DanhSachKQDK_GD
14            DateTime nam = DateTime.Now;
          0 references
15   ☐        public ActionResult DanhSachKQDK_GD(FormCollection searchdata)
16            {
17   ☐            using (var cn = new SqlConnection(strConString))
18                {
19                    String sql = "SELECT  HP.MaHP,HP.TenHP, LHP.TenLop, LHP.LT_TH, LHP.SiSo, COUNT(DK.MaLHP) AS N'Đã đăng ký' , M.HocKy, M.Nam" +
20                        "\r\nFROM MOLOP AS M \r\nINNER JOIN LOPHOCPHAN AS LHP ON M.MaLHP = LHP.MaLHP \r\nINNER JOIN HOCPHAN AS HP ON M.MSHP = HP.MSHP" +
21                        "\r\nLEFT JOIN DANGKY AS DK ON M.MaLHP = DK.MaLHP \r\nGROUP BY HP.MaHP,HP.TenHP,HP.SoTinChi,LHP.TenLop,LHP.SiSo,LHP.LT_TH,M.HocKy, M.Nam";
22                    SqlCommand cmd = new SqlCommand(sql, cn);
23                    cn.Open();
24                    SqlDataReader rdr = cmd.ExecuteReader();
25                    List<DSLHP> model = new List<DSLHP>();
26                    while (rdr.Read())
27                    {
28                        var details = new DSLHP();
29                        details.MaHP = rdr["MaHP"].ToString();
30                        details.TenHP = rdr["TenHP"].ToString();
31                        details.TenLop = rdr["TenLop"].ToString();
32                        details.SiSo = Convert.ToInt32(rdr["SiSo"].ToString());
33                        details.LT_TH = rdr["LT_TH"].ToString();
34                        details.ĐK = Convert.ToInt32(rdr["Đã đăng ký"].ToString());
35                        details.HocKy = Convert.ToInt32(rdr["HocKy"].ToString());
36                        details.Nam = Convert.ToInt32(rdr["Nam"].ToString());
37                        model.Add(details);
38                    }
39                    if (searchdata["Nam"] != null)
40                    {
41                        model = model.Where(m => m.Nam == Convert.ToInt32(searchdata["Nam"])).ToList();
42                        model = model.Where(m => m.HocKy == Convert.ToInt32(searchdata["HocKy"])).ToList();
43                        return View(model);
44                    }
45                    return View(model.FindAll(m => m.Nam == Convert.ToInt32(nam.Year)));
46                }
47            }
48        }
49    }
```

DanhSachKQDK_GD.cshtml

```
1    @model IEnumerable<OODWebsite.Models.DSLHP>
2
3    @{
4        ViewBag.Title = "Kết quả đăng ký";
5        Layout = "~/Areas/NVPhongDaoTao/Views/Shared/_Layout.cshtml";
6    }
7
8    <section class="content-header">
9        <div class="container-fluid">
10           <div class="row mb-2">
11               <div class="col-sm-6">
12                   <h1>KẾT QUẢ ĐĂNG KÝ</h1>
13               </div>
14               <div class="col-sm-6">
15                   <ol class="breadcrumb float-sm-right">
16                       <li class="breadcrumb-item"><a href='@Url.Action("QuanLySV_GD", "QuanLySV_GD")'>Home</a></li>
17                       <li class="breadcrumb-item active">Kết quả đăng ký</li>
18                   </ol>
19               </div>
20           </div>
21       </div>
22   </section>
23
24   @using (Html.BeginForm())
25   {
26       <b class="pl-5">Tìm kiếm:</b> @Html.DropDownList("Nam", Enumerable.Range(2019, 100).Select(i => new SelectListItem { Text = i.ToString(), Value = i.ToString() }))
27       @Html.DropDownList("HocKy", Enumerable.Range(1, 3).Select(i => new SelectListItem { Text = i.ToString(), Value = i.ToString() }))
28       <input type="submit" value="Tìm" class="btn btn-primary" />
29   }
```

```
31       <table class="table">
32           <tr>
33               <th>
34                   @Html.DisplayName("Mã học phần")
35               </th>
36               <th>
37                   @Html.DisplayName("Tên học phần")
38               </th>
39               <th>
40                   @Html.DisplayName("Tên lớp")
41               </th>
42               <th class="text-center">
43                   @Html.DisplayName("LT-TH")
44               </th>
45               <th class="text-center">
46                   @Html.DisplayName("Sĩ số")
47               </th>
48               <th class="text-center">
49                   @Html.DisplayName("Đã đăng ký")
50               </th>
51               <th></th>
52           </tr>
53
```

```
54    @foreach (var item in Model)
55    {
56        <tr>
57            <td>
58                @Html.DisplayFor(modelItem => item.MaHP)
59            </td>
60            <td>
61                @Html.DisplayFor(modelItem => item.TenHP)
62            </td>
63            <td>
64                @Html.DisplayFor(modelItem => item.TenLop)
65            </td>
66            <td class="text-center">
67                @Html.DisplayFor(modelItem => item.LT_TH)
68            </td>
69            <td class="text-center">
70                @Html.DisplayFor(modelItem => item.SiSo)
71            </td>
72            <td class="text-center">
73                @Html.DisplayFor(modelItem => item.ĐK)
74            </td>
75        </tr>
76    }
77
78    </table>
79
```

Phòng Đào Tạo

- Quản lý sinh viên
- Quản lý học phần ˅
- ○ Danh sách học phần
- ○ Danh sách lớp học phần
- ○ Kết quả đăng kí học phần

≡ Home

KẾT QUẢ ĐĂNG KÝ

Home / Kết quả đăng ký

Mã học phần	Tên học phần	Tên lớp	LT-TH	Sĩ số	Đã đăng ký
MTH10308	Phát triển phần mềm hướng đối tượng	19TTH	LT	50	2
MTH10309	Quản trị hệ thống mạng	19TTH	LT	50	0
MTH10310	Lập Trình.Net	20TTH	LT	100	2
MTH10315	Phân tích và thiết kế hệ thống thông tin	20TTH	LT	50	2
MTH10316	Lập trình Java	20TTH	TH	50	2
MTH10317	Phân tích & xử lý ảnh	20TTH	LT	100	2
MTH10318	Nhập môn trí tuệ nhân tạo	20THH	LT	50	0
MTH10322	Nhận dạng mẫu	20TTH	LT	100	2
MTH10333	Thiết kế Web	20TTH	LT	100	4
MTH10335	Thiết kế Mạng	20TTH	LT	50	3
MTH10341	Chuyên đề.NET	20TTH	LT	50	2