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using TaoWebAPI.Models;
namespace TaoWebAPI.Controllers
{
    public class SanPhamController : ApiController
    {
        CSDLTestEntities db = new CSDLTestEntities2();

        [HttpGet]//Lấy dữ liệu
        public List<SanPham> LaySP()
        {
            return db.SanPhams.ToList();
        }
        [HttpGet]
        public List<SanPham> TimSPTheoDanhMuc(int madm)
        {
            return db.SanPhams.Where(x => x.MaDanhMuc == madm).ToList();
        }
        [HttpGet]
        public SanPham TimSPTheoMa(int ma)
        {
            return db.SanPhams.FirstOrDefault(x => x.Ma == ma);
        }
        [HttpPost]//Thêm dữ liệu
        public bool ThemMoi(int ma, string ten, int gia, int madm)
        {
            SanPham sp = db.SanPhams.FirstOrDefault(x => x.Ma== ma);
            if (sp == null)
            {
                SanPham sp1 = new SanPham();
                sp1.Ma = ma;
                sp1.Ten = ten;
                sp1.DonGia = gia;
                sp1.MaDanhMuc = madm;
                db.SanPhams.Add(sp1);
                db.SaveChanges();
                return true;
            }
            return false;
        }
        [HttpPut]//Sửa dữ liệu
        public bool CapNhat(int ma, string ten, int gia, int madm)
        {
            SanPham sp = db.SanPhams.FirstOrDefault(x => x.Ma == ma);
            if (sp != null)
            {
                sp.Ma = ma;
                sp.Ten = ten;
                sp.DonGia = gia;
                sp.MaDanhMuc = madm;
                db.SaveChanges();
                return true;
            }
            return false;
        }
        [HttpDelete]//Xóa dữ liệu
        public bool xoa(int id)
        {
            SanPham sp = db.SanPhams.FirstOrDefault(x => x.Ma == id);

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        if (sp != null)
        {
            db.SanPhams.Remove(sp);
            db.SaveChanges();
            return true;
        }
        return false;
    }
}

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using TaoWebAPI.Models;

namespace TaoWebAPI.Controllers
{
    public class DanhMucController : ApiController
    {
        CSDLTestEntities db = new CSDLTestEntities2();

        [HttpGet]//Lấy dữ liệu
        public List<DanhMuc> LayDM()
        {
            return db.DanhMucs.ToList();
        }
    }
}

```