using ClassLibrary1;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace DataService

{

public class ProductDataService:IProductDataService

{

static List<Product> products;

static ProductDataService()

{

products = new List<Product>()

{

new Product(){ ProductId=101,ProductName="pen",Price=60},

new Product(){ ProductId=102,ProductName="laptop",Price=69000},

new Product(){ ProductId=103,ProductName="mobile",Price=33000}

};

}

public IEnumerable<Product> GetAllProducts()

{

return products;

}

public IEnumerable<Product> GetAllProductsByName(string pname)

{

return products.Where(p=>p.ProductName.Contains(pname)).ToList();

}

public Product GetProductById(int id)

{

return products.Where(p => p.ProductId == id).SingleOrDefault();

}

public void AddProduct(Product p)

{

products.Add(p);

}

public void UpdateProduct(Product p)

{

foreach (Product temp in products)

{

if (temp.ProductId == p.ProductId)

{

temp.ProductName = p.ProductName;

temp.Price = p.Price;

}

}

}

public void DeleteProduct(int id)

{

Product p=products.Where(p=>p.ProductId==id).SingleOrDefault();

products.Remove(p);

}

}

}