WebApiConfig.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web.Http;

namespace WebApiTest\_1217

{

public static class WebApiConfig

{

public static void Register(HttpConfiguration config)

{

// Web API 設定和服務

// Web API 路由

config.MapHttpAttributeRoutes();

config.Routes.MapHttpRoute(

name: "DefaultApi",

routeTemplate: "{controller}/{action}/{id}",

defaults: new { id = RouteParameter.Optional }

);

}

}

}

DefaultController.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Net;

using System.Net.Http;

using System.Web.Http;

using WebApiTest\_1217.Models;

namespace WebApiTest\_1217.Controllers

{

public class DefaultController : ApiController

{

DefaultModel model = new DefaultModel();

[HttpPost]

public string test(string input)

{

return string.Format("intput = {0}", input);

}

[HttpPost]

public string GetInfoList()

{

string result = string.Empty;

result = model.GetInfoList();

return result;

}

[HttpPost]

public void Insert(string name, string phone, string gender)

{

model.Insert(name, phone, gender);

}

[HttpPost]

public void Save(string name, string phone, string gender, int id)

{

model.Save(name, phone, gender, id);

}

[HttpPost]

public void Delete(int id)

{

model.Delete(id);

}

}

}

DefaultModel.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using Newtonsoft.Json;

namespace WebApiTest\_1217.Models

{

public class DefaultModel

{

public string GetInfoList()

{

List<EmployeeInfo> result = new List<EmployeeInfo>();

try

{

using (MVC\_TestEntities db = new MVC\_TestEntities())

{

////lambda

//result = db.Employee.Select(a => new EmployeeInfo

//{

// ID = a.ID,

// Name = a.Name.Trim(),

// Gender = a.Gender.Trim(),

// phone = a.Phone.Trim()

//}).ToList();

//linq

result = (from a in db.Employee

select new EmployeeInfo

{

ID = a.ID,

Name = a.Name.Trim(),

Gender = a.Gender.Trim(),

phone = a.Phone.Trim()

}).ToList();

}

}

catch (Exception ex)

{

}

string sresult = JsonConvert.SerializeObject(result);

return sresult;

}

public void Save(string name, string phone, string gender, int id)

{

try

{

using (MVC\_TestEntities db = new MVC\_TestEntities())

{

var temp = db.Employee.Where(a => a.ID == id).FirstOrDefault();

if (temp != null)

{

temp.Name = name;

temp.Phone = phone;

temp.Gender = gender;

var v = db.SaveChanges();

}

}

}

catch (Exception ex)

{

}

}

public void Delete(int id)

{

try

{

using (MVC\_TestEntities db = new MVC\_TestEntities())

{

var temp = db.Employee.Where(a => a.ID == id).FirstOrDefault();

if (temp != null)

{

db.Employee.Remove(temp);

db.SaveChanges();

}

}

}

catch (Exception ex)

{

}

}

public void Insert(string name, string phone, string gender)

{

try

{

using (MVC\_TestEntities db = new MVC\_TestEntities())

{

Employee emp = new Employee

{

Name = name,

Phone = phone,

Gender = gender,

};

db.Employee.Add(emp);

db.SaveChanges();

}

}

catch (Exception ex)

{

}

}

public class EmployeeInfo

{

public int ID { get; set; }

public string Name { get; set; }

public string Gender { get; set; }

public string phone { get; set; }

}

}

}