|  |  |
| --- | --- |
| Student.cs |  |
|  |  |
|  | namespace LearnTodayWebApi1.Models |
|  | { |
|  | using System; |
|  | using System.Collections.Generic; |
|  |  |
|  | public partial class Student |
|  | { |
|  | public int EnrollmentId { get; set; } |
|  | public Nullable<int> StudentId { get; set; } |
|  | public Nullable<int> CourseId { get; set; } |
|  | } |
|  | } |
|  |  |
|  | Trainer.cs |
|  |  |
|  | namespace LearnTodayWebApi1.Models |
|  | { |
|  | using System; |
|  | using System.Collections.Generic; |
|  |  |
|  | public partial class Trainer |
|  | { |
|  | public int TrainerId { get; set; } |
|  | public string Password { get; set; } |
|  | } |
|  | } |
|  |  |
|  | Course.cs |
|  |  |
|  | namespace LearnTodayWebApi1.Models |
|  | { |
|  | using System; |
|  | using System.Collections.Generic; |
|  |  |
|  | public partial class Course |
|  | { |
|  | public int CourseId { get; set; } |
|  | public string Title { get; set; } |
|  | public Nullable<double> Fees { get; set; } |
|  | public string Description { get; set; } |
|  | public string Trainer { get; set; } |
|  | public Nullable<System.DateTime> Start\_Date { get; set; } |
|  | } |
|  | } |
|  |  |
|  | AdminController.cs |
|  |  |
|  | using LearnTodayWebApi1.Models; |
|  | using System; |
|  | using System.Collections.Generic; |
|  | using System.Linq; |
|  | using System.Net; |
|  | using System.Net.Http; |
|  | using System.Web.Http; |
|  |  |
|  | namespace LearnTodayWebApi1.Controllers |
|  | { |
|  | public class AdminController : ApiController |
|  | { |
|  | LearnTodayWebAPIDbEntities db = new LearnTodayWebAPIDbEntities(); |
|  | [HttpGet] |
|  | public IEnumerable<Course> GetAllCourses() |
|  | { |
|  | return db.Courses.ToList(); |
|  |  |
|  | } |
|  | public HttpResponseMessage GetCourseById(int id) |
|  | { |
|  | var course = db.Courses.Where(c => c.CourseId == id).SingleOrDefault(); |
|  | if (course == null) |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.NotFound, "Searched Data not Found"); |
|  | } |
|  | else |
|  | { |
|  | return Request.CreateResponse(HttpStatusCode.OK, course); |
|  | } |
|  |  |
|  | } |
|  | } |
|  | } |
|  |  |
|  | StudentController.cs |
|  |  |
|  | using LearnTodayWebApi1.Models; |
|  | using System; |
|  | using System.Collections.Generic; |
|  | using System.Linq; |
|  | using System.Net; |
|  | using System.Net.Http; |
|  | using System.Web.Http; |
|  |  |
|  | namespace LearnTodayWebApi1.Controllers |
|  | { |
|  | public class StudentController : ApiController |
|  | { |
|  | LearnTodayWebAPIDbEntities db = new LearnTodayWebAPIDbEntities(); |
|  |  |
|  | [HttpGet] |
|  | public IEnumerable<Course> GetAllCourses() |
|  | { |
|  | return db.Courses.ToList(); |
|  |  |
|  | } |
|  | [HttpPost] |
|  | public HttpResponseMessage PostStudent([FromBody] Student model) |
|  | { |
|  |  |
|  | try |
|  | { |
|  | db.Students.Add(model); |
|  | db.SaveChanges(); |
|  | return Request.CreateResponse(HttpStatusCode.OK, model); |
|  | } |
|  | catch (Exception ex) |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.BadRequest, ex); |
|  |  |
|  | } |
|  |  |
|  | } |
|  | [HttpDelete] |
|  | public HttpResponseMessage DeleteStudentEnrollment(int id) |
|  | { |
|  | var studentEnrollment = db.Students.Where(k => k.StudentId == id).SingleOrDefault(); |
|  | try |
|  | { |
|  | if (studentEnrollment != null) |
|  | { |
|  | db.Students.Attach(studentEnrollment); |
|  | db.Students.Remove(studentEnrollment); |
|  | db.SaveChanges(); |
|  | return Request.CreateResponse(HttpStatusCode.OK, studentEnrollment); |
|  | } |
|  | else |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.NotFound, "No Enrollment information found"); |
|  | } |
|  |  |
|  | } |
|  | catch (Exception ex) |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.BadRequest, ex); |
|  |  |
|  | } |
|  |  |
|  | } |
|  | } |
|  | } |
|  |  |
|  | TrainerController.cs |
|  |  |
|  | using LearnTodayWebApi1.Models; |
|  | using System; |
|  | using System.Collections.Generic; |
|  | using System.Linq; |
|  | using System.Net; |
|  | using System.Net.Http; |
|  | using System.Web.Http; |
|  |  |
|  | namespace LearnTodayWebApi1.Controllers |
|  | { |
|  | public class TrainerController : ApiController |
|  | { |
|  | LearnTodayWebAPIDbEntities db = new LearnTodayWebAPIDbEntities(); |
|  |  |
|  | [HttpPost] |
|  | public HttpResponseMessage TrainerSignUp([FromBody] Trainer model) |
|  | { |
|  |  |
|  | try |
|  | { |
|  | db.Trainers.Add(model); |
|  | db.SaveChanges(); |
|  | return Request.CreateResponse(HttpStatusCode.OK, model); |
|  | } |
|  | catch (Exception ex) |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.BadRequest, ex); |
|  |  |
|  | } |
|  | } |
|  | [HttpPut] |
|  | public HttpResponseMessage UpdatePassword(int id, [FromBody] Trainer model) |
|  | { |
|  | var passwordGetUsingId = db.Trainers.Where(l => l.TrainerId == id).SingleOrDefault(); |
|  | try |
|  | { |
|  | if (passwordGetUsingId != null) |
|  | { |
|  |  |
|  | db.Trainers.Remove(passwordGetUsingId); |
|  | db.Trainers.Add(model); |
|  | db.SaveChanges(); |
|  | return Request.CreateResponse(HttpStatusCode.OK, model); |
|  | } |
|  | else |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.NotFound, "Searched Data not Found"); |
|  | } |
|  | } |
|  | catch (Exception ex) |
|  | { |
|  | return Request.CreateErrorResponse(HttpStatusCode.BadRequest, ex); |
|  | } |
|  | } |
|  | } |
|  | } |

