המחלקות שלי:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

public abstract class User

{

public int Id { get; set; }

public string FullName { get; set; } = string.Empty;

public string Email { get; set; } = string.Empty;

public string PasswordHash { get; set; } = string.Empty;

public UserRole Role { get; set; }

}

public enum UserRole

{

Admin,

Teacher,

Student

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class Teacher : User

{

public List<Course> Courses { get; set; } = new();

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class Student : User

{

public List<Group> StudyGroups { get; set; } = new();

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class Lesson

{

public int Id { get; set; }

public string Title { get; set; } = string.Empty;

public DateTime Date { get; set; } = DateTime.UtcNow;

// קשרים

public int StudyGroupId { get; set; }

public Group StudyGroup { get; set; } = null!;

public List<File> Files { get; set; } = new();

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class Group

{

public int Id { get; set; }

public string Name { get; set; } = string.Empty;

// קשרים

public int CourseId { get; set; }

public Course Course { get; set; } = null!;

public List<Student> Students { get; set; } = new();

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class File

{

public int Id { get; set; }

public string FileName { get; set; } = string.Empty;

public string FilePath { get; set; } = string.Empty;

// קשרים

public int LessonId { get; set; }

public Lesson Lesson { get; set; } = null!;

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class Course

{

public int Id { get; set; }

public string Name { get; set; } = string.Empty;

// קשרים

public int TeacherId { get; set; }

public Teacher Teacher { get; set; } = null!;

public List<Group> StudyGroups { get; set; } = new();

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TeachCloud.Core.Entities

{

public class Admin : User

{

// רשימת מורים שמנוהלים על ידי המנהל

public List<Teacher> Teachers { get; set; } = new();

// רשימת קבוצות לימוד שמנוהלות על ידי המנהל

public List<Group> Groups { get; set; } = new();

}

}