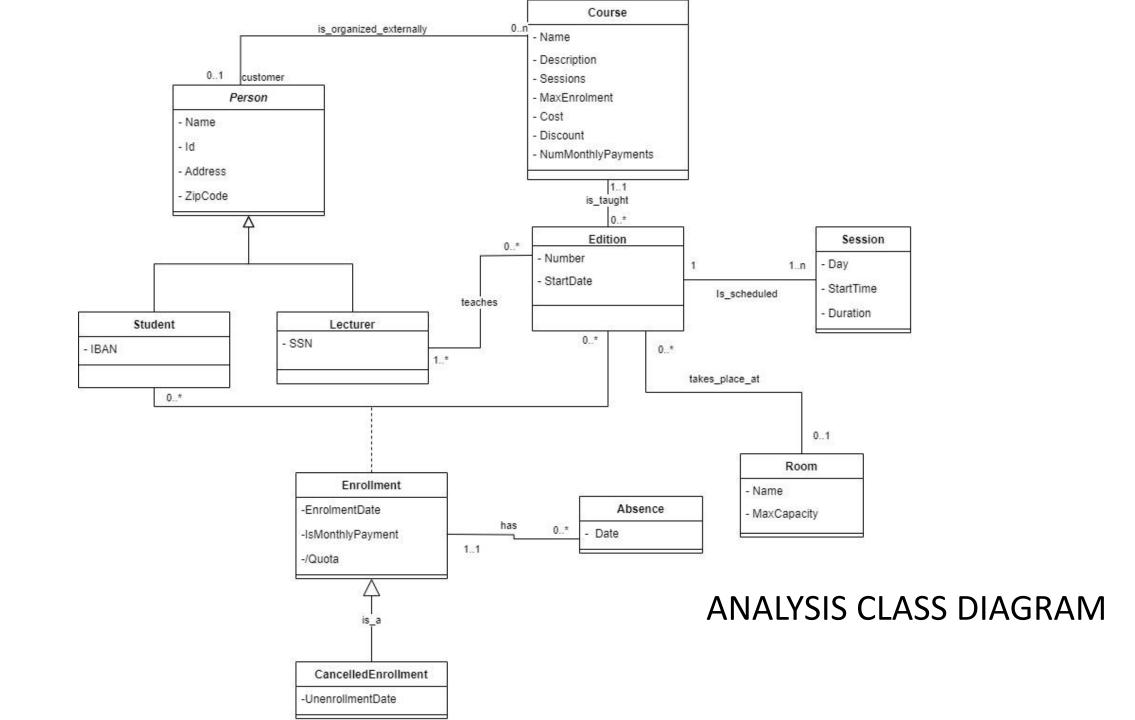
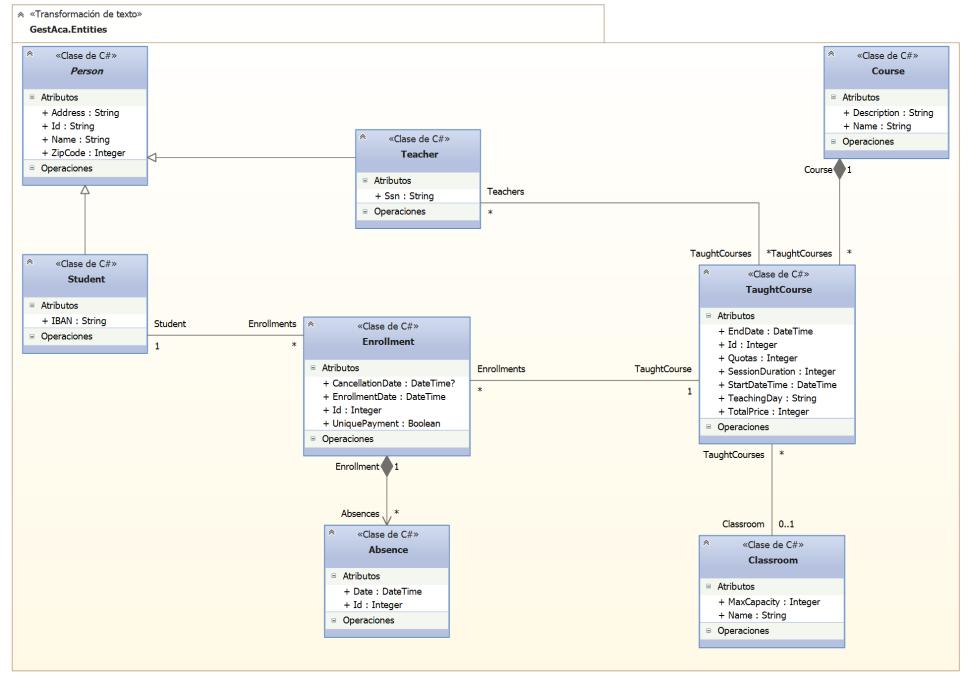
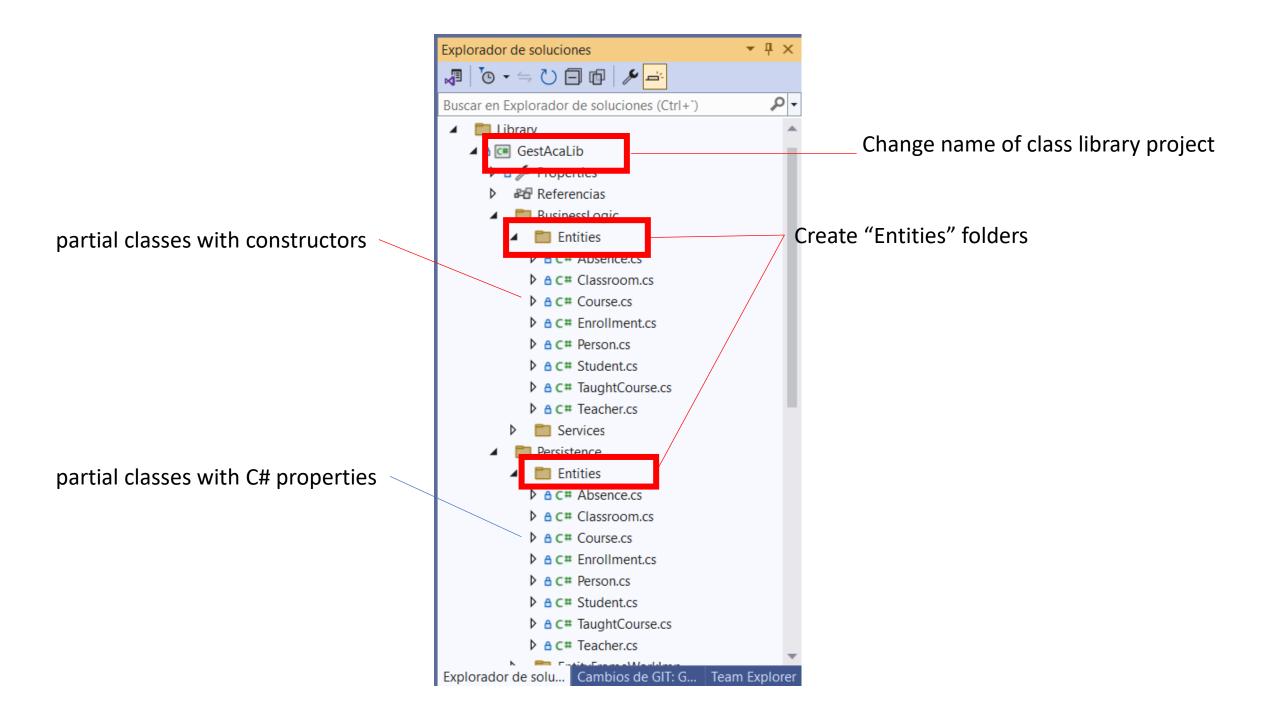
Chapter 5: Design Seminar



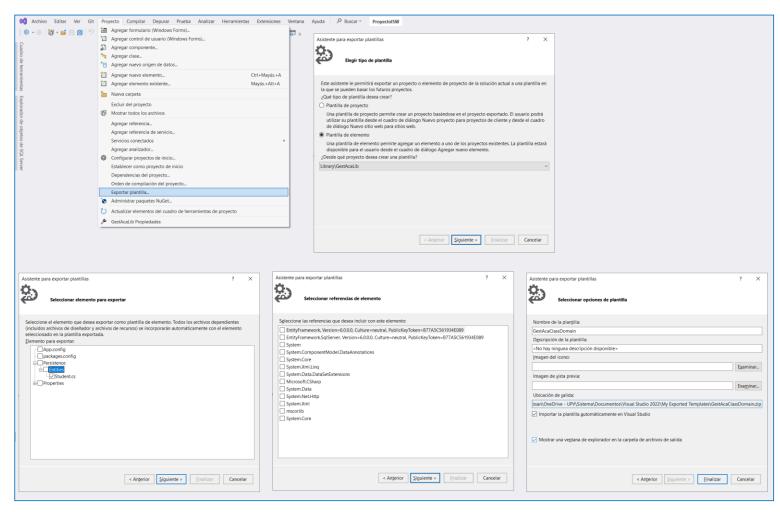


DESIGN CLASS DIAGRAM

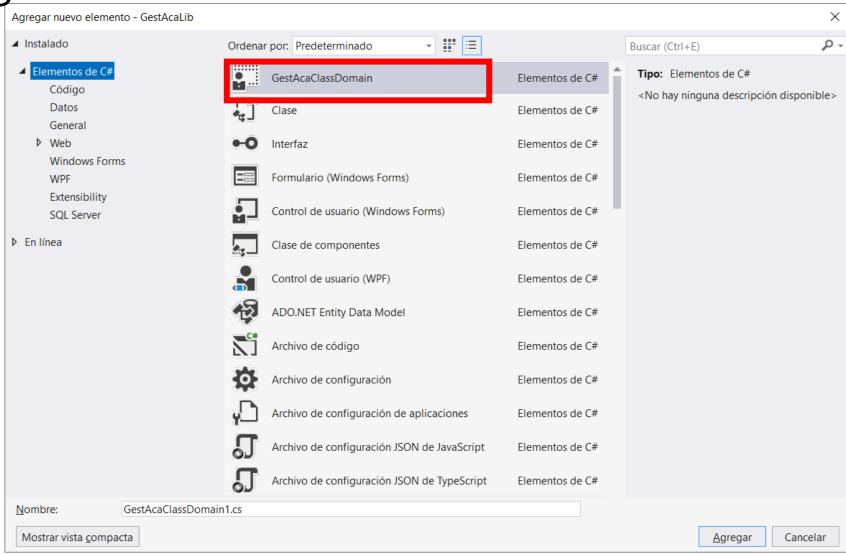


Creating classes

```
namespace GestAca.Entities
{
    public partial class tudent
    {
     }
}
```



Creating Classes

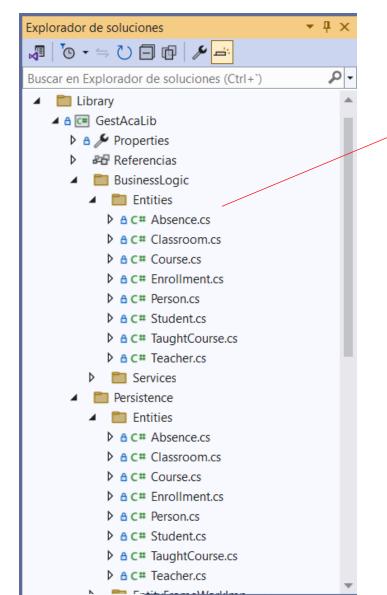


Design Example

```
public partial class Course
public string Description
get;
set;
                                                  Properties
                                                  (in Persistence Folder)
public string Name
get;
set;
public virtual ICollection<TaughtCourse> TaughtCourses
        get;
                                      Reference that represent
        set;
                                      relations VIRTUAL
```

Explorador de soluciones Buscar en Explorador de soluciones (Ctrl+`) ▲ Library ▲ 6 C# GestAcaLib ▶ A Froperties Referencias BusinessLogic Entities ▶ A C# Classroom.cs ▶ A C# Course.cs ▶ A C# Enrollment.cs ▶ A C# Person.cs ▶ A C# Student.cs ▶ A C# TaughtCourse.cs ▶ a C# Teacher.cs Services Persistence Entities ▶ A C# Absence.cs ▶ ≜ C# Classroom.cs ▶ A C# Course.cs ▶ A C# Enrollment.cs ▶ A C# Person.cs ▶ A C# Student.cs ▶ A C# TaughtCourse.cs ▶ A C# Teacher.cs Explorador de solu... Cambios de GIT: G...

Class constructors



```
Two constructors (in BusinessLogic)
```

```
public partial class Course
      public Course()
           TaughtCourses = new List<TaughtCourse>();
      public Course(string descr, string name):this()
           this.Name = name;
           this.Description = descr;
                                            Calling constructor
                                            with no parameters
```