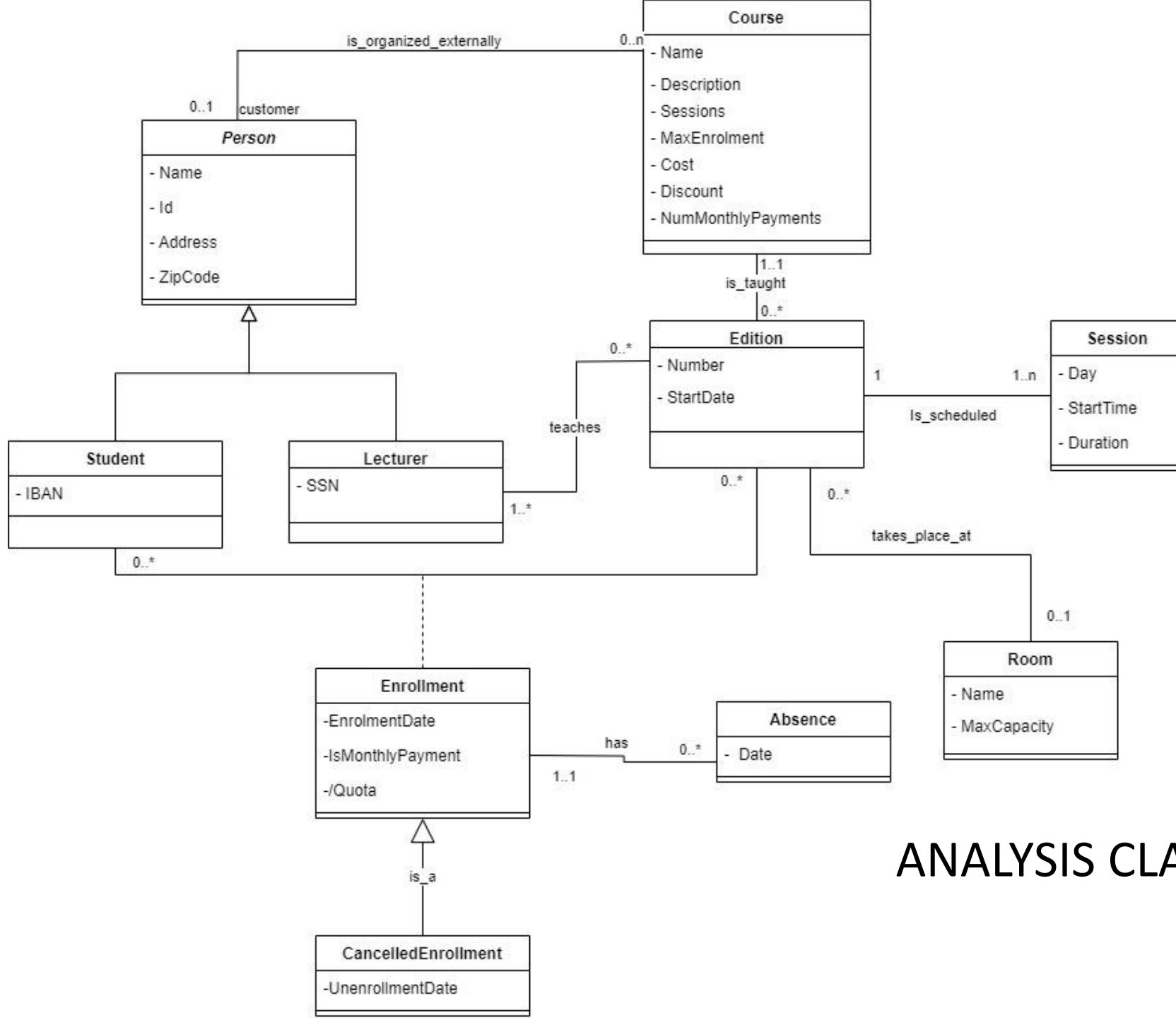
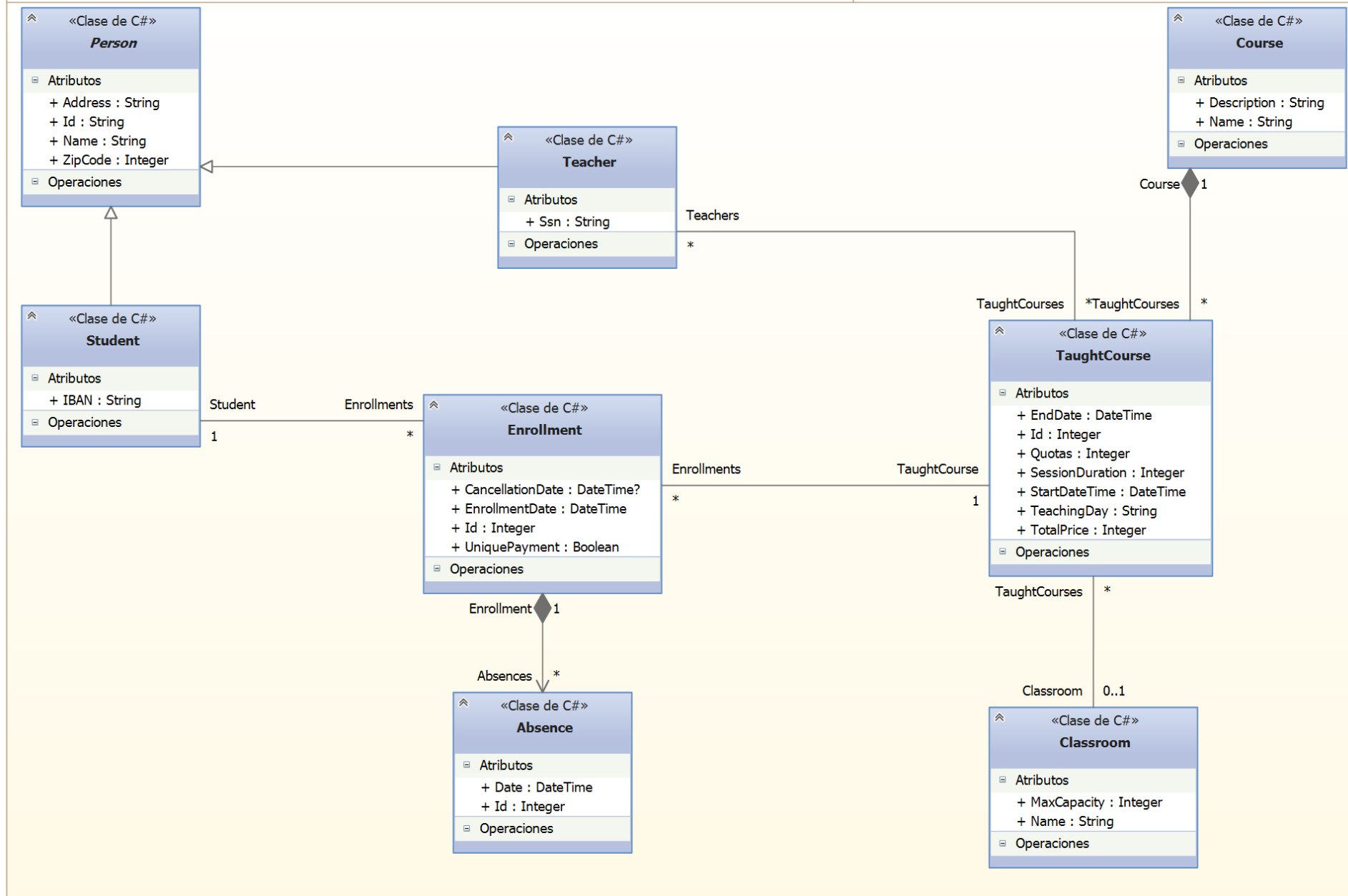
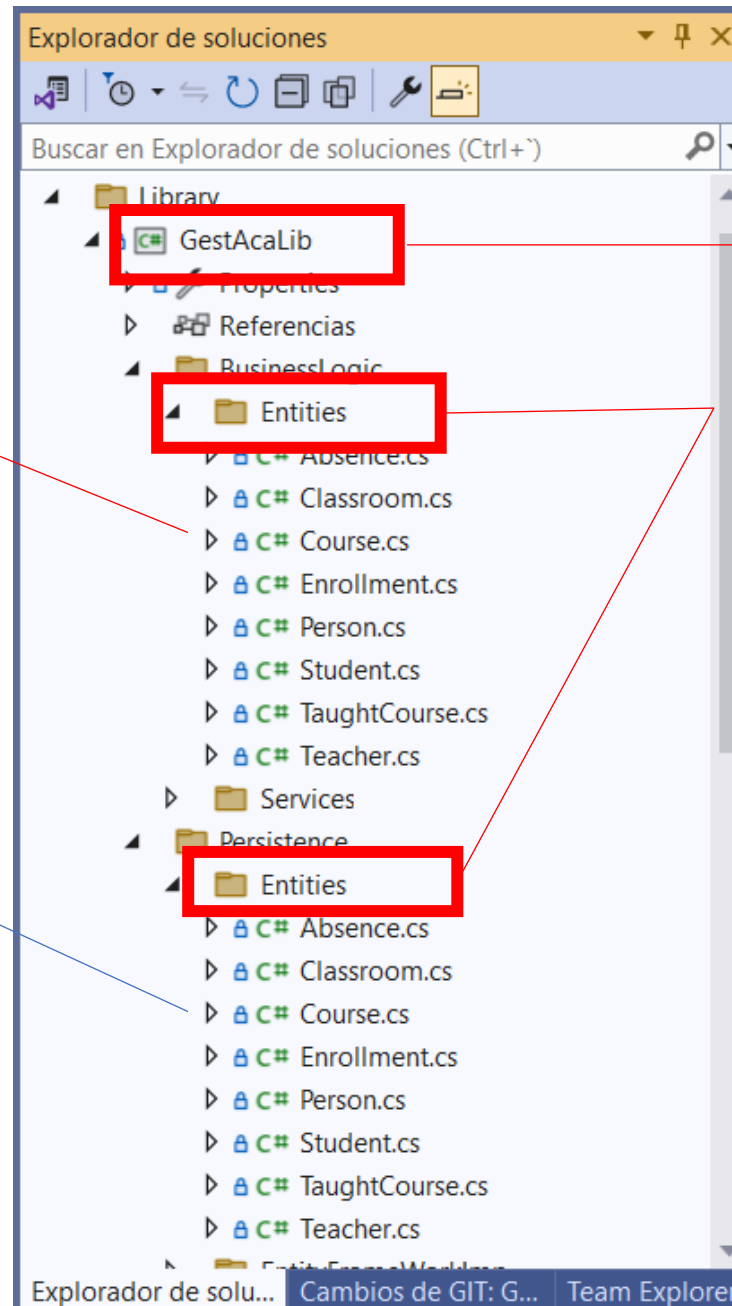


Chapter 5: Design Seminar



ANALYSIS CLASS DIAGRAM





Change name of class library project

Create "Entities" folders

partial classes with constructors

partial classes with C# properties

Creating classes

```
namespace GestAca.Entities
```

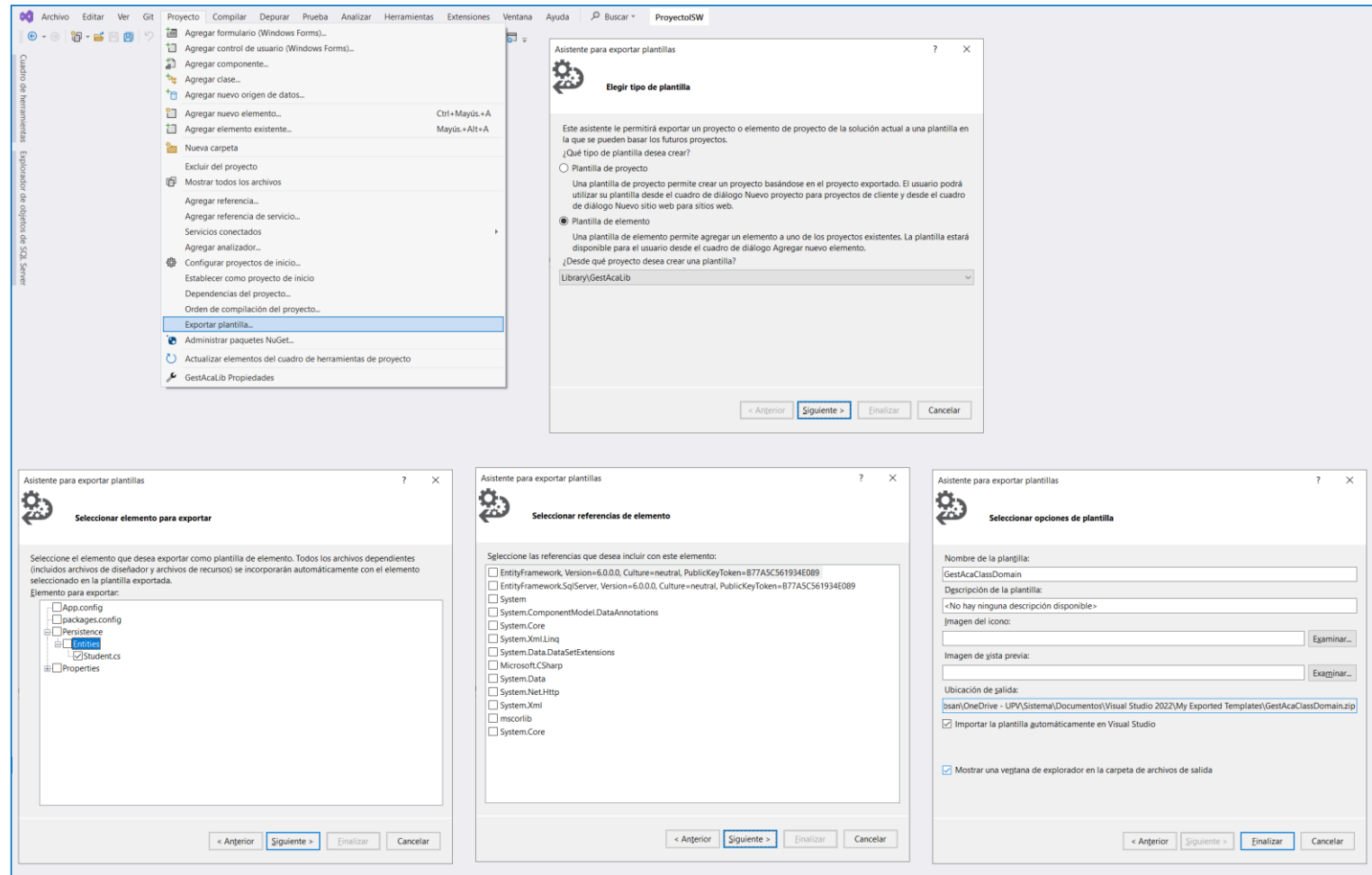
```
{
```

```
public partial class Student
```

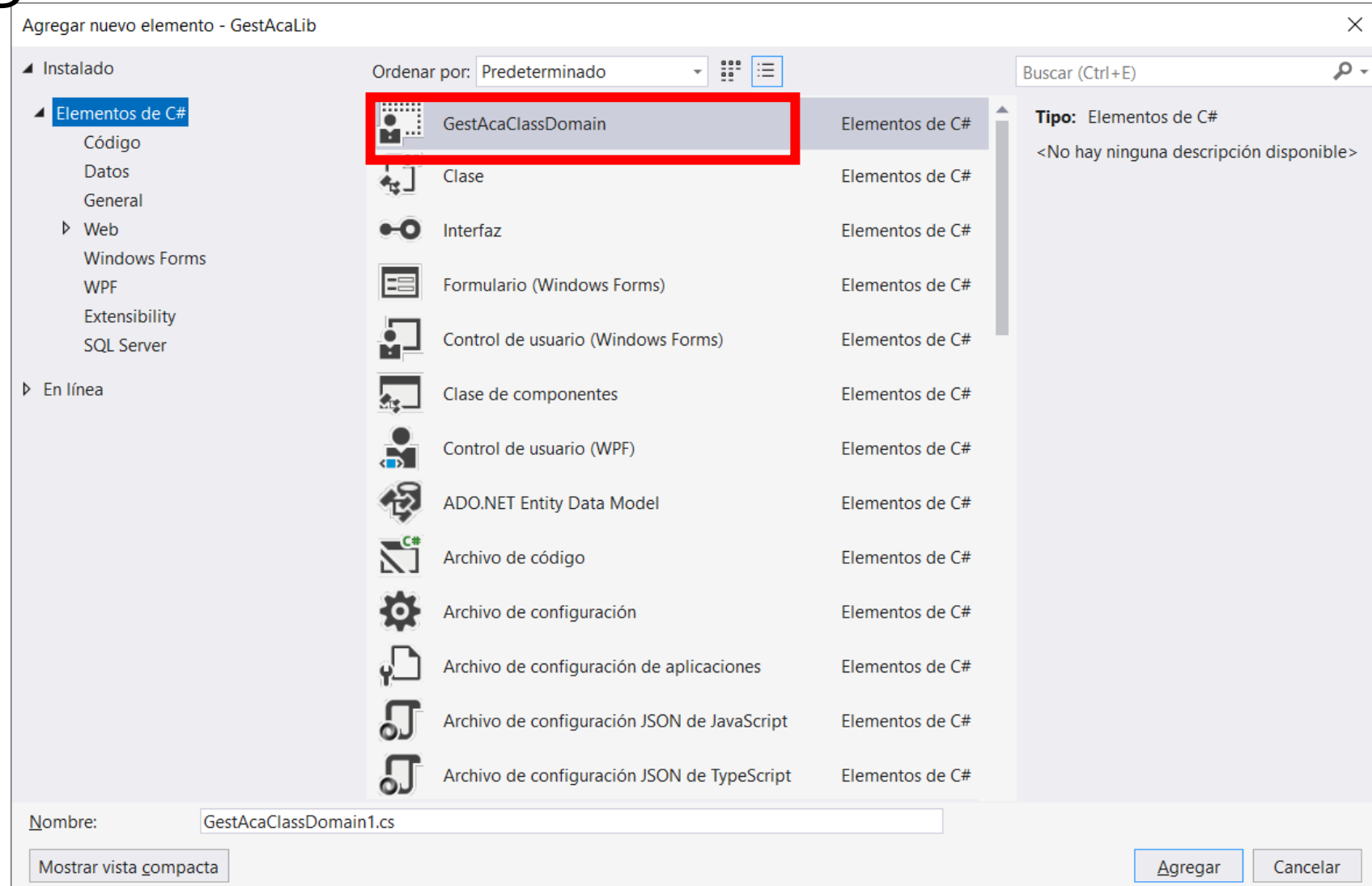
```
{
```

```
}
```

```
}
```



Creating Classes



Design Example

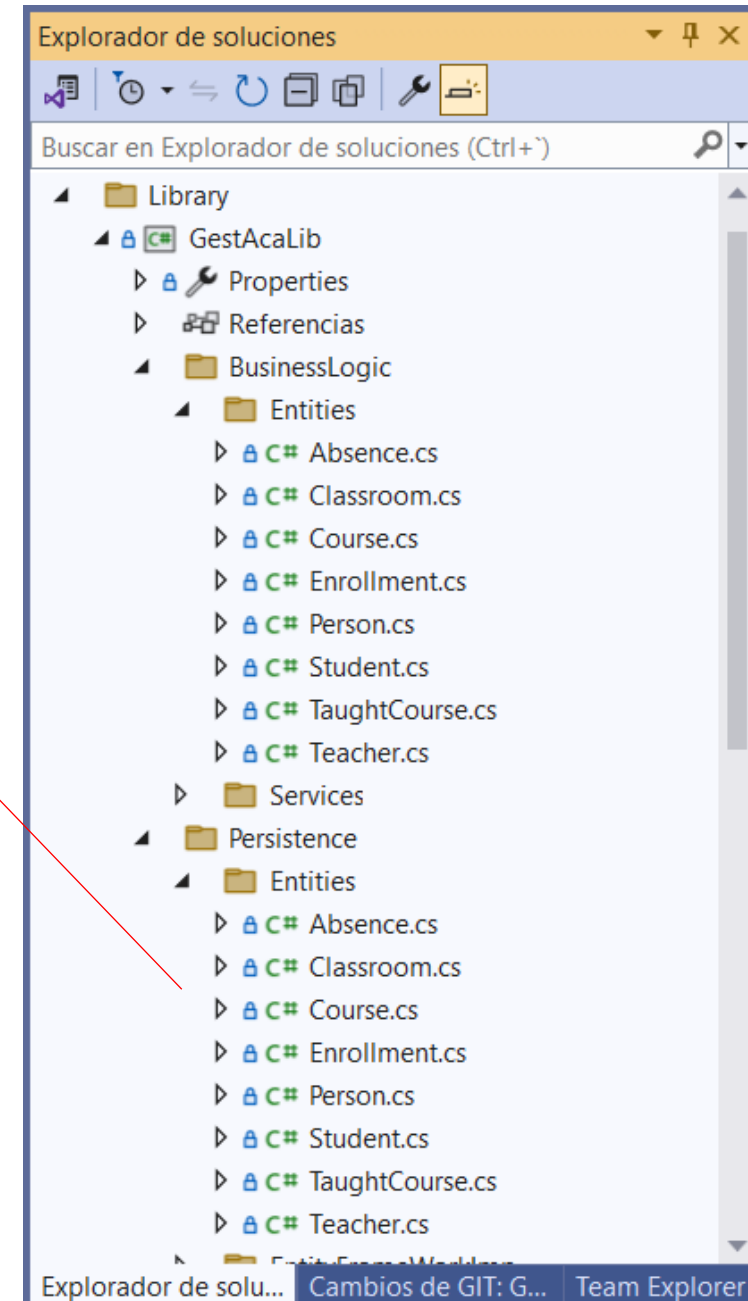
```
public partial class Course
{
    public string Description
    {
        get;
        set;
    }
}
```

```
public string Name
{
    get;
    set;
}
```

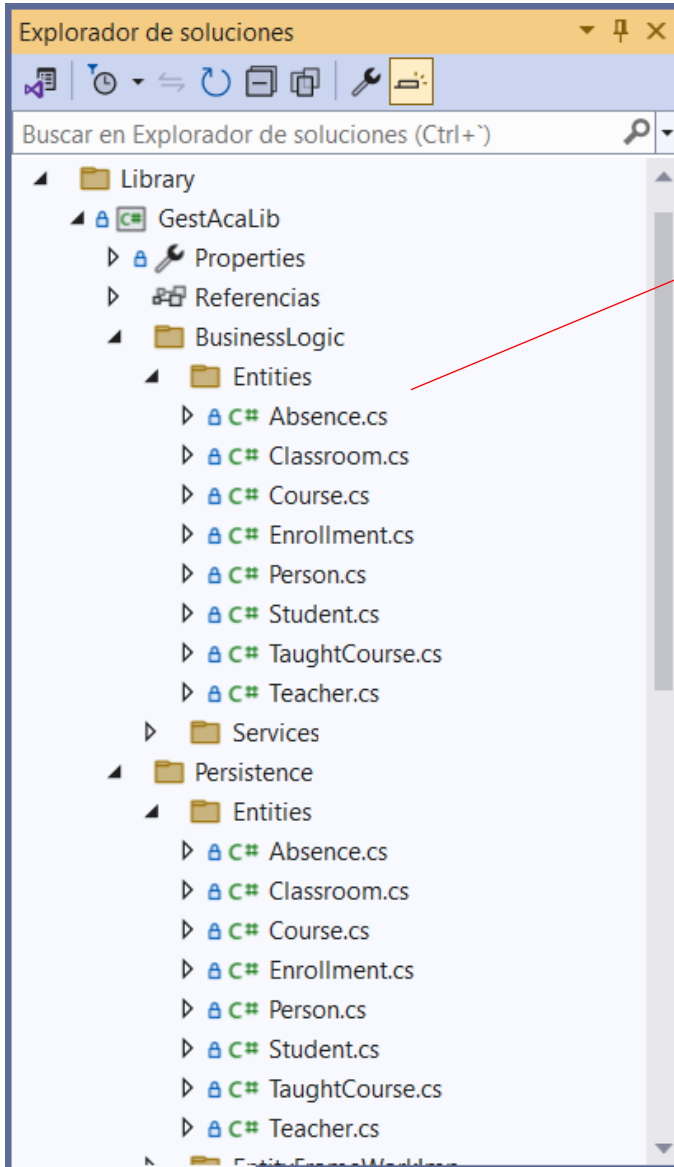
```
public virtual ICollection<TaughtCourse> TaughtCourses
{
    get;
    set;
}
```

Properties
(in Persistence Folder)

Reference that represent
relations **VIRTUAL**



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