

## Problem 1. 2 weeks

For the database developed during the 1st semester you must create a Windows solution using .NET framework. Your solution must contain at least one form through which a user may manipulate data in 2 tables being in 1 to many relationship (we will call them parent table and child table). The following operations must be available:

- Display all parent records
- Selecting a parent record, it must display its child records
- Selecting a child record, it must allow to remove or update the data of the child
- Selecting a parent record, it must allow to add a new child record.

For communicating with the database you must use data sets and data adapters. For creating the form you may use any controls that are at your disposal.

Note: You must use core ADO.NET (data sets, SQL data adapters, data readers etc.; no LINQ , Entity Framework, Data Source Configuration Wizard or any other ORM framework).

### Obs.

In case you missed developing the database during the first semester or you simply want to create a new one, here are the minimum requirements for the data model:

Imagine a simple application that would require a database. Represent the application data in a relational structure and implement the structure in an SQL Server database. The database should contain at least 10 tables and should implement at least one 1 to many relationship and one many to many relationship.