

## Problem 2. 1 week

Transform your first laboratory to dynamically create the master-detail windows form.

The form caption, controls, form layout, stored procedures / queries used to access and manipulate data etc. shall be set in a configuration file.

Your form should be generic enough such that updating the application to handle some other data (still a “one to many relation”) comes down to updating the configuration file.

For your laboratory presentation you must create the master - child windows form and prepare at least two scenarios in which to handle two different “one to many” relations.

How you define and interpret the configuration settings is up to you.

You must use core ADO.NET (data sets, data adapters, data readers etc.; no LINQ or Entity Framework or any other ORM framework).

Prerequisites:

- ADO.NET: working with data sets, data adapters, data tables, data binding:

- seminars
- <http://www.youtube.com/playlist?list=PL364D9F01461F5F87>
- <http://www.codeproject.com/Articles/24656/A-Detailed-Data-Binding-Tutorial>
- <http://www.codeproject.com/Articles/8477/Using-ADO-NET-for-beginners>
- <http://csharp-station.com/Tutorial/AdoDotNet/Lesson01>

- reading XML files:

- <http://www.w3schools.com/schema/default.asp>
- <http://www.drdobbs.com/windows/parsing-xml-files-in-net-using-c/184416669>
- <http://support.microsoft.com/kb/311566>
- <http://support.microsoft.com/kb/307548>

- working with configuration files:

- <http://support.microsoft.com/kb/815786>
- <http://msdn.microsoft.com/en-us/library/system.configuration.configuration.aspx>
- <http://www.codeproject.com/Articles/6538/Configuration-Settings-File-for-providing-applicat>

- working with windows forms: see your first seminary and ... first laboratory :)