Gruppo EURIS test C# - MVC

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# Project Description

The project is designed to manage a list of products and its catalog. The application is developed in ASP.NET, that is:

* MVC
* Entity Framework
* LINQ

# How To

* The project is distributed without packages folder, so you may get an error message on first start. When you open the solution, it is recommended apply the following steps:
  + Restore NuGet Packages
  + Clean Solution
  + Rebuild solution
* The DataBase script is contained in the App\_Data folder (in EURISTest).

**IMPORTANT! Use SQL Server (or Express edition) from version 2016. After completing the exercise and before sending it, overwrite the Data Base files inside the same folder.**

* If you haven’t yet a LocalDb instance, after the installation you must run this command: ***sqllocaldb create MSSQLLocalDB***

# Definition model

Below is information for creating project classes.

The **PRODUCT** is configured as follows:

• Code - alphanumeric code that identifies the product.

• Description - product description, string.

The **CATALOG** must be configured as follows:

• Code - alphanumeric code that identifies the catalog.

• Description: description of the catalog, string.

• Product - list of products in the price list.

# Use cases

The application must be developed to meet the following customer needs:

**BASIC REQUEST:**

1. The Products must belong to one or more Catalogs;
2. The Product view must contain insert, modify, delete and detail functionality;
3. The Catalog view must contain insert, edit, delete and detail functionality;
4. The Catalog view has the function of selecting products;
5. Manage a data validation model for the Product (the Code and Description fields must be mandatory and with a maximum length of 10 and 50 characters).

**MEDIUM DIFFICULTY:**

1. In a view that presents a drop-down menu of the Catalogs, write a JavaScript that, when the selected Catalog changes, shows an Alert with the Catalog Code.

**ADVANCED REQUEST:**

1. Create a REST API which, given a catalog, returns the list of associated products.