Reflection - ASP.Net MVC Core

In ASP.Net Core, server calls can be given as follows:

- localhost:12345/Home/Index
- localhost:12345/Northwind/Get/666
- localhost:12345/Northwind/GetOrders?employeeId=1&customerId=ALFKI

With this "Route" a method in a class is called like this:

- Example 1: Method Index() of class HomeController
- Example 2: Method Get(666) of class NorthwindController
- Example 3: Method GetOrders(1,"ALFKI") of class NorthwindController

The rule therefore is:

Controllername/Method/Parameter or Controllername/Method?nameA=valueA&nameB=valueB

Program a single method that calls the appropriate method from such a string:

```
private void btnExecuteAction_Click(string url)
{
   string response = ""; //split url here and call appropriate method
   MessageBox.Show(response);
}
```

For easier usage you can create three button clicks, but all of them should call the method btnExecuteAction_Click from above.

```
Execute Action Home/Index

Execute Action Northwind/Get/3

Execute Action Northwind/GetOrders?employeeId=1&customerId=ALFKI
```

First only program the first two variants and then try to program the third variant as an extension (also possible with ASP.Net MVC Core).

As a relief, you can simply assume that there are only int and string parameters.

Procedure:

- Find method in controller
- Read the parameter list of the method, important are name and type
- Split the string after ? into name-value pairs (i.e. split with € and =)
- Loop parameter list of the method and check, if there are parameters in the query list with the same name
- If yes depending on the type in method parameter list value cast / parse to int or string

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