

Lab: Auto Mapping Objects

Use the provided skeleton.

1. Map Employee to Dto

Add the **missing code** to the program so that when it **receives** an **employee Id**, to **returns only the needed information** about the employee with the specified **Id**.

Users using the program **want to receive only the following information**: Employee Id, First Name, Last Name, Middle Name, Job Title and Salary.

In the familiar skeleton you have two new classes:

- **EmployeeController** in the **Controllers** folder – There is a method that returns **Dto** object. This class takes care to provide the correct information.
- **EmployeeDtoViewModel** in the **Dto** folder – This class is an object that stores only the information needed by users.

To make the program work, **add the missing code** in the: **Startup** class, **EmployeeController** class and **EmployeeDtoViewModel** class.

Input	Output
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Hints:

```
static void Main()
{
    var context = new SoftUniContext();

    Console.WriteLine("Write the id of an Employee to get his information.");

    var employeeInfoRequest = int.Parse(Console.ReadLine());

    EmployeeController controler = new EmployeeController(context);

    var employeeInfoResult = controler.GetEmployeeInfo(employeeInfoRequest);
}
```

```

public EmployeeDtoViewModel GetEmployeeInfo(int id)
{
    //Initialize the mapper
    MapperConfiguration config = new MapperConfiguration(cfg =>
    cfg.CreateMap<Employee, EmployeeDtoViewModel>());

    //Using automapper
    Mapper mapper = new Mapper(config);

    Employee employee = context.Employees.FirstOrDefault(e => e.EmployeeId == id);
    EmployeeDtoViewModel dto = mapper.Map<EmployeeDtoViewModel>(employee);

    return dto;
}

```

```

public class EmployeeDtoViewModel
{
    1 reference
    public int EmployeeId { get; set; }
    1 reference
    public string FirstName { get; set; }
    1 reference
    public string LastName { get; set; }
    1 reference
    public string MiddleName { get; set; }
    1 reference
    public string JobTitle { get; set; }
    1 reference
    public decimal Salary { get; set; }
}

```