# Exercises: Spring Essentials

Problems for exercises and homework for the [“Java MVC Frameworks - Spring” course @ SoftUni](https://softuni.bg/trainings/1538/java-mvc-frameworks-spring-march-2017).

## Add Customers

Add functionality to **add customers** to the database. A customer should be added by providing a **name** and **birthdate**. Use appropriate **controls** for the form for each field and display well formatted labels for the input fields. Note that the field whether he is young driver or not should be filled automatically depending on the provided birthdate.

## Edit Customers

Add option to **edit a customer** from the database. The **name** and the **birthdate** to each customer can be changed.

## Add Parts

Add functionality to **add car parts**. A car part should be added successfully by only providing **name, price** and **supplier**. The **default quantity** if not specified explicitly is **1**. Use appropriate controls for the form and well formatted labels for the input fields.

## Delete Parts

Add functionality to see a **list of all parts** with option to **delete** any of them. When trying to delete some part the user should be **prompted** for confirmation and if the user confirms then the part should be deleted from the database.

## Edit Parts

Once part is added to the database its **price** and **quantity** can be modified. All other fields are not allowed to be changed after that.

## Add Cars

Add functionality to **add cars** to the database. A car should be added if has valid **make, model** and **travelled distance**. Choose appropriate controls for the form and well formatted labels for the input fields.

## Add Cars with Parts

Modify the form from the previous exercise and add another control that allows adding parts for the car. This might be:

* **Text field** where the IDs of the parts can be placed separated with a space
* Group of **checkboxes**
* \*\*Multiple **dropdown** fields