Contents

Require 001: Working tools and Delivery requirements

- **Working tools**: Eclipse IDE for Java, SQL Server/MySQL, internet connection, Apache Maven.
- **Delivery**: Source code and test results in a compressed archive.

Require 002: Technologies

The product illustrates:

- IoC,
- Dependency Injection,
- Bean,
- Spring EL,
- Autowrite annotation,
- Spring JDBC Template,
- Spring Data JPA,
- Spring MVC,
- Spring Boot

Require 003: Data storage

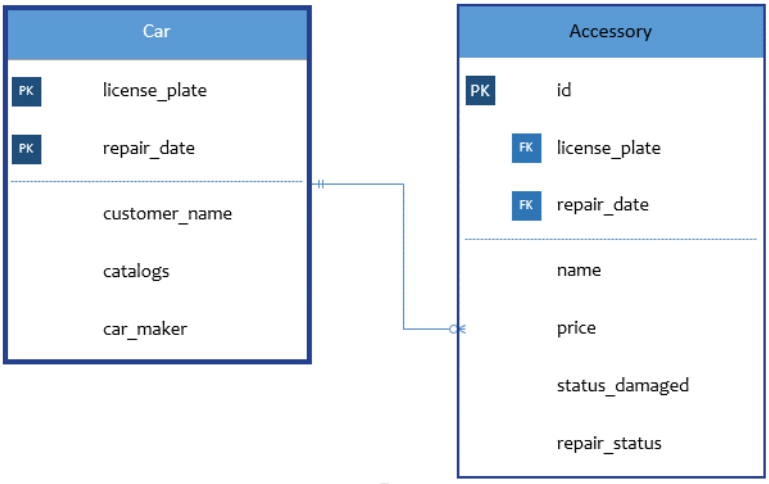
- Using appropriate RDBMS (MS SQL Server, MySQL, …) to store data

Create a project named **JSFW.Practice.T02** to resolve the problem.

Project Descriptions:

Create a Web application bases on Spring framework to manage a Garage

Database requirements



UI requirements

A page must contain 4 parts: **Banner**, **MenuLeft**, **Body**, **Footer**

Homepage contains some menus as following here:

- Add a new Car
- Cars Management
- Orders Management

AUTOMOTIVE REPAIR	
MENU: Add a new Car Cars Management Orders Management	**WELCOME TO AUTOMOTIVE REPAIR**
BASED ON SPRING FRAMEWORK	

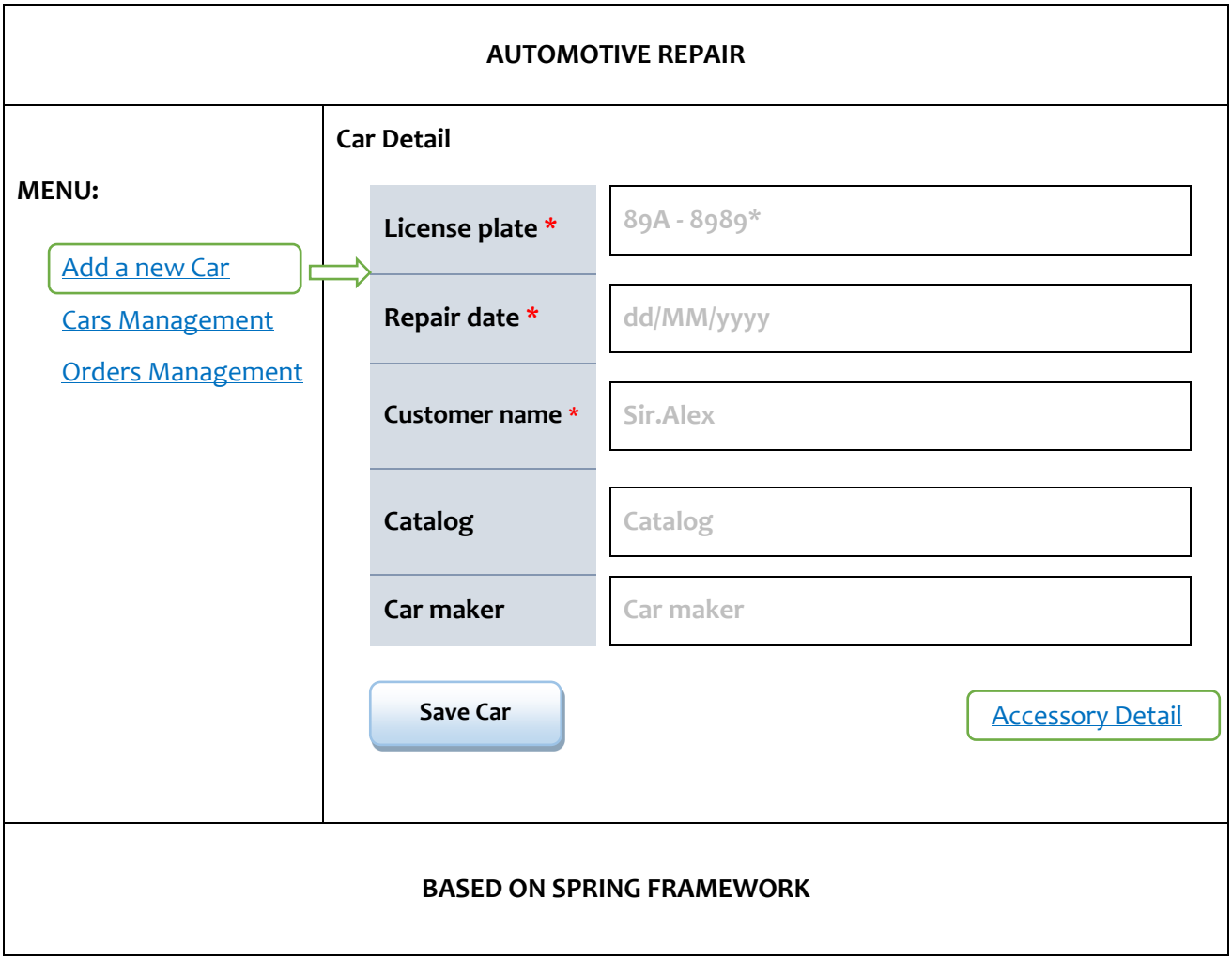
(Figure1: Homepage screen)

Car detail screens

By clicking "**Add a new Car**" link from Homepage:

- **Input data**: allow user to create, modify car information (accessory, repair status)
    - Each car has unique license plate
    - Each car can repair/change one or more accessory

- **To Add a new Car:**
  - ✓ Fill data into boxes and click “Save Car” button. Then new car will save to database
  - ✓ After save a new car to database successful, an alert message will display: “Add a new Car successfully”. Stay at this page and display link “Accessory Detail” allow add accessory to the saved car.



(Figure1: Homepage screen)

Accessory Detail

By clicking “**Accessory Detail**” link from Car Detail screen:

User input information, status of accessory need repair/change and corresponding cost. After that click “Save Accessory”, the list of Accessories related to the Car will be displayed in figure 3.

Edit Accessory:

Select “Edit” link, the information of selected accessory will display and editable.

User change the information and click “Save Accessory” (changed data will refresh automatically)

Delete Accessory:

User select “Delete” link, an alert will display “Do you want to delete this accessory?” If user choose “Yes” then corresponding accessory will be delete (data will refresh automatically). If user choose “No” then do nothing.

AUTOMOTIVE REPAIR

MENU:

- Add a new Car
- Cars Management
- Orders Management

Accessory Detail

License plate	89A – 8989	Repair date	05/04/2018

Name *	Lọc gió	
Price	100000	*(VNĐ)*
Status damaged	Bị bụi bẩn	
Repair status	Làm sạch	

Save Accessory

No	Name	Price	Status damaged	Repair status	
1					Edit | Delete
...					....
...					Edit | Delete

Do you want to delete this accessory?

Yes No

BASED ON SPRING FRAMEWORK

(Figure3: Accessory Detail screen)

Mark Scales:

Business need			
a.	**Screen design**		**25**
	- *Create 4 JSP files (banner.jsp, menuleft.jsp, footer.jsp, baselayout.jsp)*	*10*	
	- *Make a template and include 4 JSP files*	*15*	
b.	**Car Management**		**25**
	- Add a new Car	*25*	
c.	**Accessory Managenent**		**40**
	- List Accessory	15	
	- Edit an Accessory	15	
	- Delete an Accessory	*10*	
d.	**Technology, Product architecture , Config, Mapping**		**10**

---THE END---