BBM 488 - Web Services Laboratory

HACETTEPE UNIVERSITY

Department of Computer Engineering

Programming Assignment-2
Spring '2017-2018
Dr. Gönenç Ercan
Alaettin Uçan
Efsun Sezer

Spring Framework

Due Date: Wednesday, April 11th, 2018

Overview

The purpose of this assignment is to introduce you to Spring Framework and to help you understand its usage. During this work, you are going to use Spring MVC and the persistence of the data will be provided by Java serialization.

Implementation Details

In this assignment, coffee shop web application is going to be created using spring mvc. In this respect, you are expected to implement the following functionalities.

- There will be two types of users in the application: the customer and the owner .

- Owner Section:

    ⋆ Create, list, delete, update products (Tea, Coffee, Chai tea etc.)

    ⋆ Create and list orders

    ⋆ View orders, update order statuses (new, sent)

    ⋆ Create, list, edit customers

    ⋆ Customer information: User name, password, name, surname, addresses (floor, building, room no. information).

- Customer Section:

    ⋆ Customer logs into the system with the defined user name and password then orders by selecting from the defined products and entering the number of product information.

    ⋆ Customer can check the status of an order.

    ⋆ Customer can update his / her own information (except username).

- Clearly separate the Persistence Layer using Repository Annotations and interfaces. It should be possible to change the persistence layer by just re-implementing the interfaces.

- Code the business logic in a business layer, or in other words Service classes.

- Define classes in appropriate packages, clearly indicating the responsibilities and layers of your objects.

Details for Report

Your report should contain the items listed below:

- List your references at the end of the report.
- Provide following diagrams and explain it briefly.

    - ⋆ Use case diagram
    - ⋆ Class diagram
    - ⋆ Deployment diagram

Important Notes

- The deadline is 9:00 am on the morning of the lab. session.
- Assignments grading will be in the form of presentation.
- Assignments will be submitted via https://submit.cs.hacettepe.edu.tr .
- If the assignment is done in groups, report should contain group member information.
- You are responsible for the announcements made from the course piazza page. Please follow the page.
- The assignment must be original, group work. Duplicate or very similar assignments are both going to be considered as cheating.