

## **BBM488 Web Services Laboratory**

### **Assignment 3**

**Submission Date:** 11.04.2018    **Due Date:** 25.04.2018

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#### **Introduction**

In this assignment you are expected to develop a simple web application. Spring MVC and Hibernate technologies must be used when performing the application. You are expected to use a "Spring Security" to solve security restrictions on your homework. In the assignment, the persistence of the data will be provided by Hibernate framework. In addition, some of the services of the system will be offered as RESTful web service. PostgreSQL will be used as the database management system.

#### **Assignment**

In this assignment, coffee shop web application. 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).
- **Web Services Section:**
  - Add New Order: Product id, quantity, username / id information can be given as parameters and a new order can be added to the system.
  - User order history: The user name / id will be given as a parameter and the entire user's order history will be returned.

## 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
- Addition:

"What kind of changes did you make to your design in your 2nd assignment?"

## Notes

- The deadline is 9:30 am on the morning of the lab. session.
- Assignments grading will be in the form of presentation.
- Assignments will be submitted from the submit system.
- If the project was developed as a group, it should be mentioned in the report.
- 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**.