

Software Design

Assignment 3



1. The **Restaurant Administrator** should be able to:
 - ☐ export as PDF the menu of his restaurant
2. The **Customer** should be able to:
 - ☐ send email to administrator when placing a new order containing:
 - ☐ Order (with foods and price)
 - ☐ Total price
 - ☐ Address
 - ☐ Special details that the user wanted to add
3. Add **security** for your application with the following specifications:
 - ☐ each user should be able to view only the pages that they should have access to
 - eg. 1 the customer should not be able to view the page where the administrator adds a food item
 - eg. 2 customer X should not be able to view the page for order history of customer Y
 - ☐ every page should be protected by the login (you cannot access any page if you are not logged in)
4. **Testing**
 - ☐ add Unit Tests (using Mockito) for the Services
5. **Documentation** of the application
 - ☐ Add *Logs* to your application
 - ☐ Add *Java* doc to methods/classes in your application

Technical constraints:

- Client-Server application (Web), written in **Java (Spring) + React or Angular**
- Connectivity to **relational database** + storage of data
 - each table in the database should contain at least 5 entries
- Implement using **JPA Repository**
- Implement using **Maven**
- Implement the app using **Layered/MVC Architecture**
- Security using: **Spring Security** or **JWT**
- **Validations** of the inputs on specific flows (valid dates, non-negative values, unique username etc.)
- Testing using **Mockito** framework

Deliverables:

Create a **github repository** with the **source code**. Provide the link to the repository.

Grading:

| <i>Points</i> | <i>Requirement</i> |
|---------------|---------------------------------|
| +3 | Security |
| +2 | Testing |
| +1 | Logs (Services and Controllers) |
| +1 | Javadoc (Services) |
| +1 | Send email |
| +1 | Export as PDF |
| +1 | Clean code |