The Coffee Shop Project Design

Revision History

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| --- | --- | --- | --- |
| **Date** | **Issue** | **Description** | **Author** |
| <21/12/17> | <1.1> | Initial draft with User Management and Spring Security | Vinh Hoang |
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# Introduction

[A design document is a way for you to communicate to others what your design decisions are and why your decisions are good decisions. The biggest factor that determines if your design document is good is whether or not it clearly explains your intentions.]

## Purpose

[Describe what the project or sub-system does. What is the problem it is trying to solve? Why does it need to exist? Who will use it?]

# Requirements - Use-Case – Usage Scenarios

*Describe the set of scenarios and/or use cases that represent some significant, central functionality.*

# High Level Design

[In this section, explain in a few sentences what each entity does. Describe your reasoning for defining the entities in your diagram and what their roles are.]

Figure 1 < High Level Design Diagram >

# Detailed Design

[This section is where your objects and object relationships are defined.

## ****<Object.Name> Usage****

[This section is where your objects and object relationships are defined. Describe how the object is used and what function it serves. If an object will interface with an external object or system, it is a good idea to show the interface for the object. Most importantly, you must again describe your thought process for defining the object as you did. List the benefits and risks. If an object provides an encapsulation, describe in a sentence why the encapsulation adds value. Use your descriptions to give meaning to the diagrams.

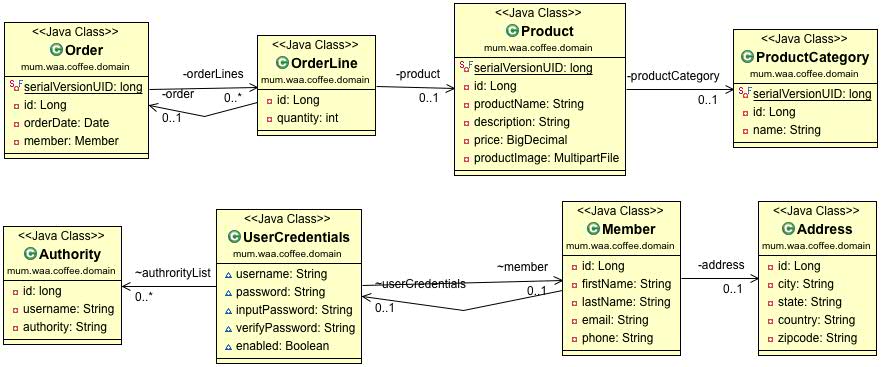


Figure 2 <2 Domain Object Class Diagram>

## ****Interaction Diagram****

[An interaction diagram shows how a set of objects or entities communicate with each other to perform a complex task.]

### User Management

#### User Registration

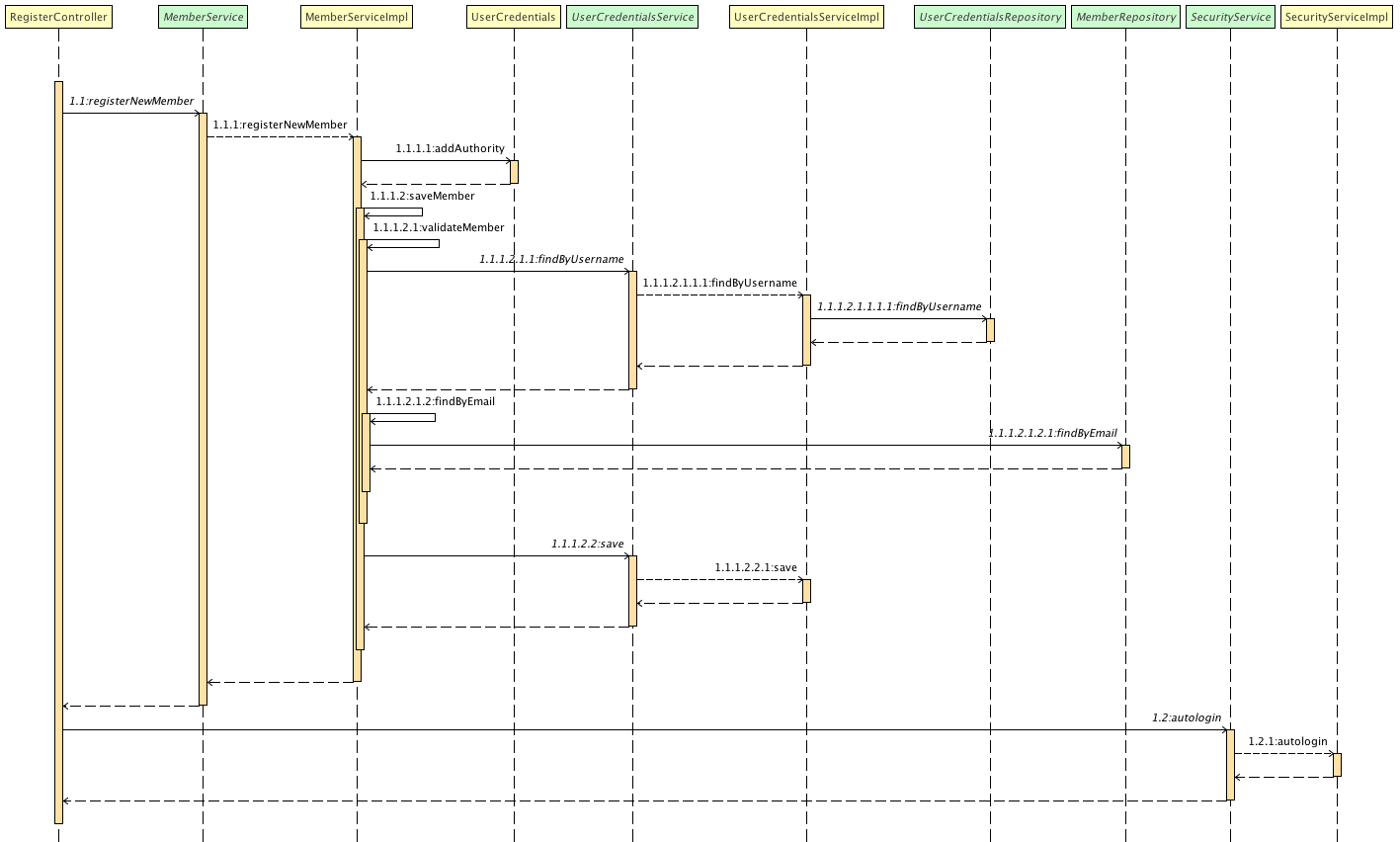


Figure 4 <User Registration Sequence Diagram>

#### Delete User

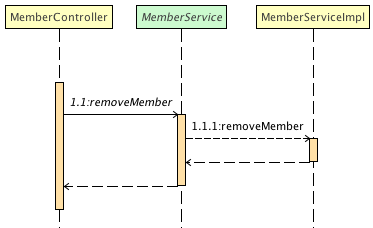


Figure 3 <Delete User Sequence Diagram>

# Design Alternatives

[This section describes alternative designs that were considered. ]

# Issues, Risk and Dependencies

[All known risks/issues and a list of all assumptions/Dependencies. Some of this may simply be rehashing what you wrote in a previous section of the document.

What’s important is getting all of these items into one section so that the reader doesn’t have to read the whole document to understand what the benefits, risks and assumptions are.

# Issues and Experience Sharing

* Auto login after registration: Initially, I used springSecurityFilterChain, as following:

<filter-mapping>

<filter-name>springSecurityFilterChain</filter-name>

<url-pattern>/login/auth</url-pattern>

<dispatcher>FORWARD</dispatcher>

</filter-mapping>

But It didn’t work, so I changed to used AuthenticationManager instead.

# Future Considerations

[This section describes next steps, functionality-wise as well as design improvements]

# References

[This subsection provides a complete list of all documents referenced. Identify each document by title, report number (if applicable), date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]