

Project 4 - part 1

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Section: CSCI 5448-001

1. Semester Project

Title: StackUnderFlow - A discussion board

Team members: Srinivas Akhil Mallela, Likhitha Katakam, Vishal Prabhachandar

Description:

We intend to build a discussion board where one can post, answer and search for questions. The discussion board will contain registration and sign in option to create a profile and store the details securely. Once the profile is created and logged in, the user can see a dashboard of details with actions performed till date and have a provision to add new questions or discussion topic. There will also be a provision to view all the active topics, access them, answer or delete details. The prime idea is to built a discussion board similar to StackOverFlow.

Technologies:

Language - Java

Frontend -

HTML5 - For discussion board skeletal components

Materialize - Responsive CSS framework for beautification

Thymeleaf - Modern server-side Java template engine to render components

Backend -

Spring Framework and its components

- Spring Boot - To configure and launch application

- Java Persistence API(JPA) in Spring data - To perform CRUD operations

- Spring Security - For login and authentication of users

- Spring MVC - For creating REST endpoint to perform program logic

Data Source -

MySQL - To store the content and other user related details

Functional components:

Likhitha Katakam - Authentication with SpringSecurity, Establishing application connection to local MySQL, Testing

Srinivas Akhil Mallela - Front end, CRUD operations using JpaRepository, Application design

Vishal Prabhachandar - REST endpoint creation with Spring MVC, configuring and launching application using SpringBoot, Combining all components together

2. UML sequence diagram for project 3

In case the below diagram is not clear, kindly look at the below-attached links for a pdf or png file.

- [PDF](#)
 - [PNG](#)
 - [Github](#)
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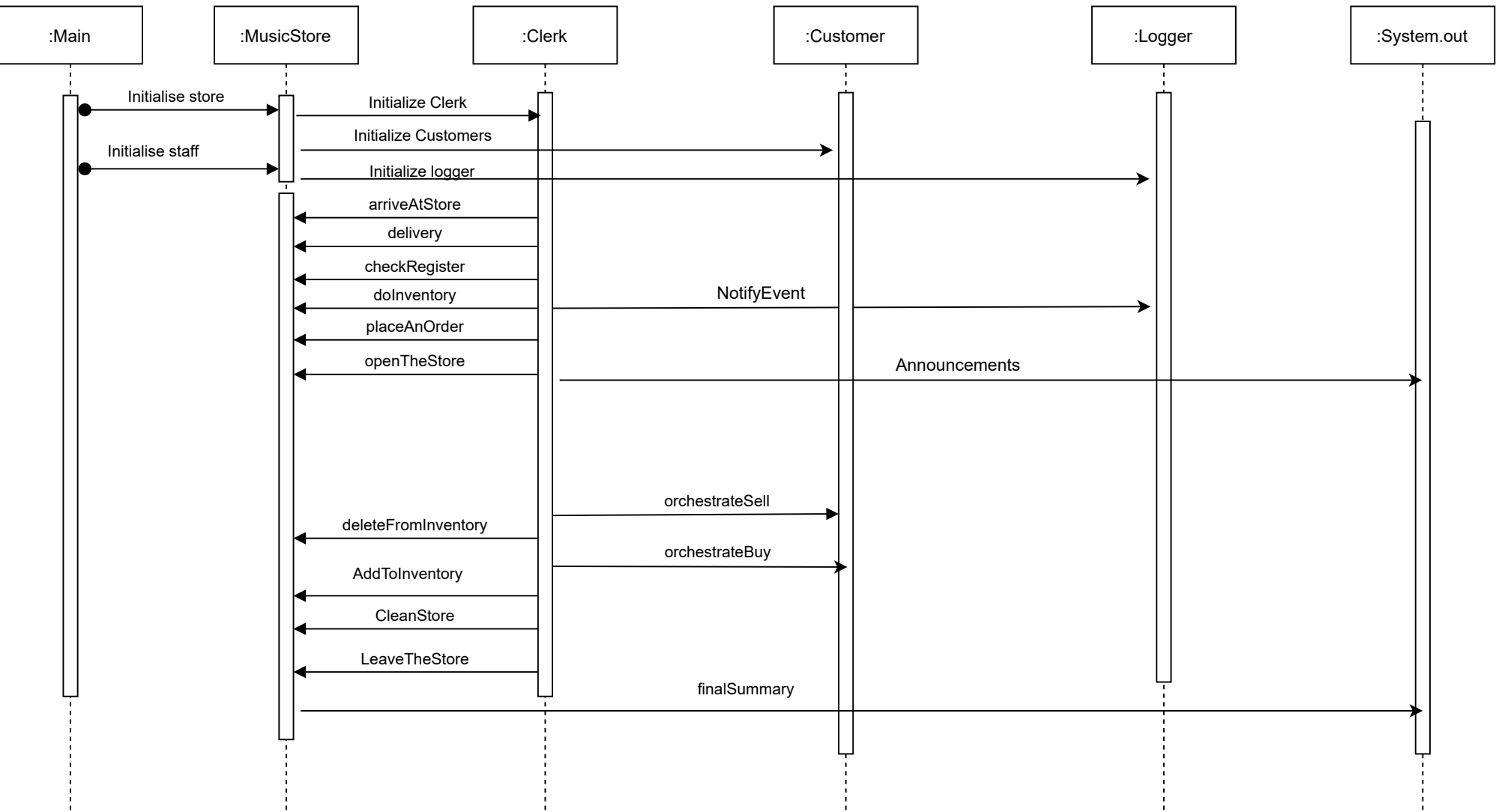
3. UML diagram for project 4

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References

- Class Slides
- [Command pattern](#)
- [Singleton pattern](#)
- [Abstract Factory design pattern](#)



Project 4 UML
Team member Group Amir Mahdi, Lathia Khatun, Yafar Pashayev

UML class diagram showing relationships between classes and their attributes.

UML class diagram showing relationships between classes and their attributes.

