Toronto Metropolitan University

Department of Electrical, Computer, & Biomedical Engineering
Faculty of Engineering & Architectural Science

Course Title:	COE
Course Number:	692
Semester/Year (e.g.F2016)	W2024

Instructor:	Faezeh Ehsan

Assignment/Lab Number:	Lab 3
Assignment/Lab Title:	

Submission Date:	Feb 23rd, 2024
Due Date:	Feb 25th, 2024

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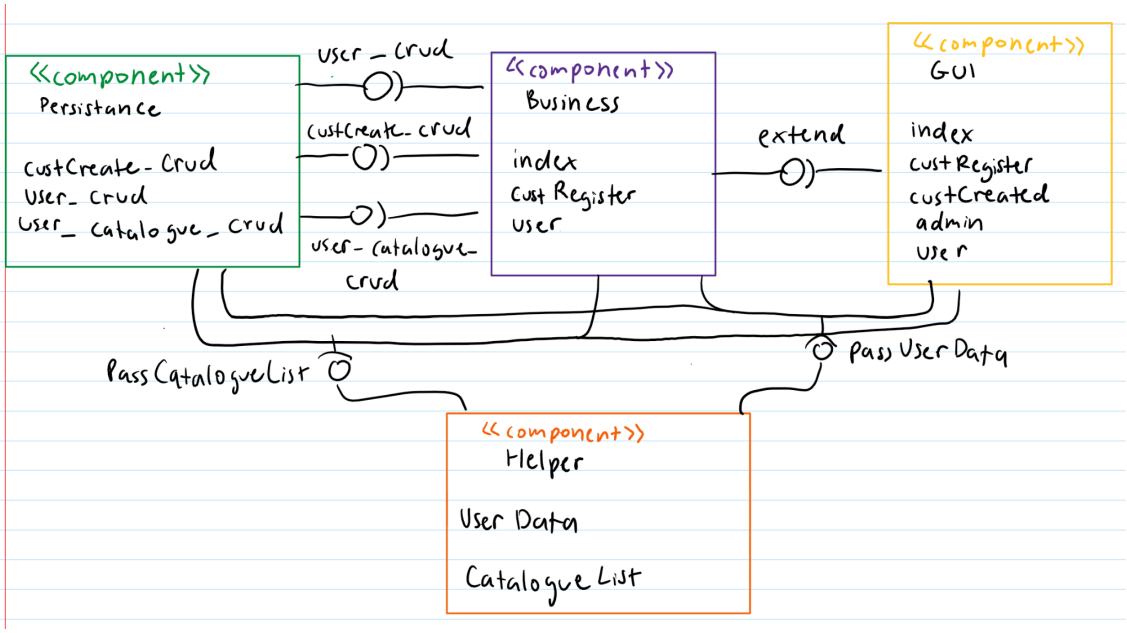
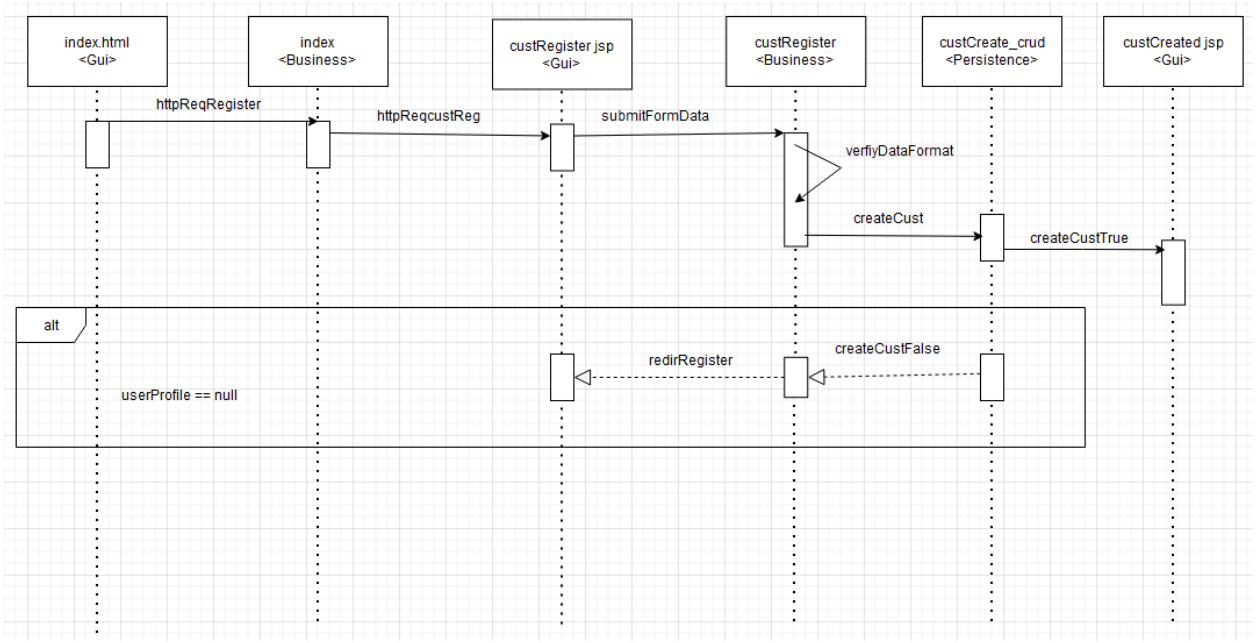
*By signing above you attest that you have contributed to this written lab report and confirm that all work you have contributed to this lab report is your own work. Any suspicion of copying or plagiarism in this work will result in an investigation of Academic Misconduct and may result in a "0" on the work, an "F" in the course, or possibly more severe penalties, as well as a Disciplinary Notice on your academic record under the Student Code of Academic Conduct, which can be found online at: https://www.torontomu.ca/content/dam/senate/policies/pol60.pdf

Component Diagram:



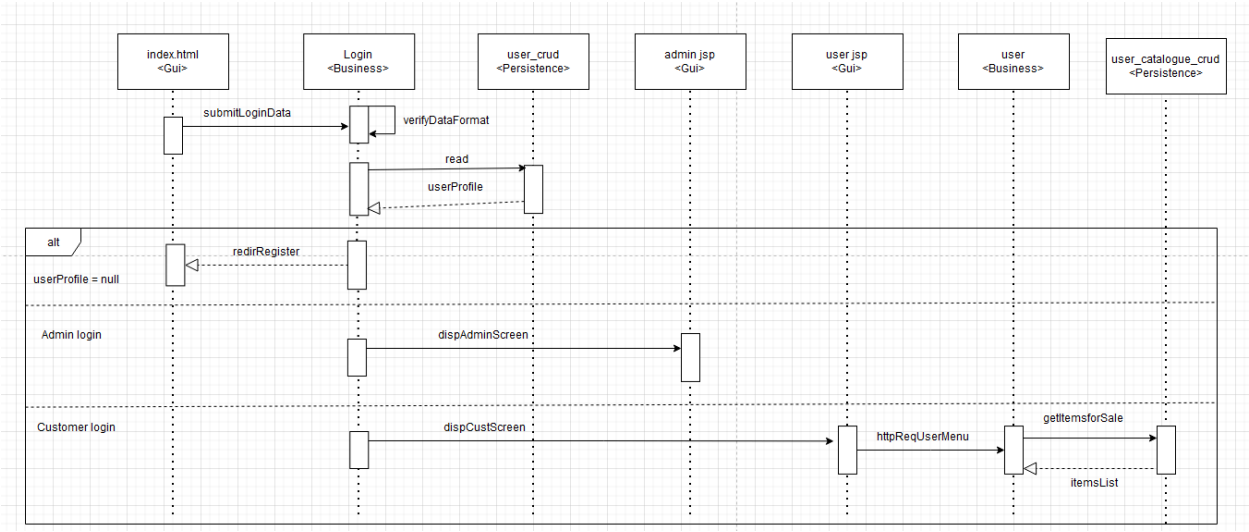
Sequence Diagram:

Use case 1: User registers for an account



1. User starts at the main index page
2. User selects the customer registration page option
3. Index object captures the request, calls the “httpRequestReg” method to retrieve the customer registration page
4. User files in the registration form and provides their first name, last name, address, city, provine/state, country, email, username, password, and agrees to the terms and conditions. submitformData will send the information to the custRegister object to verify form data and create a UserData object (helper class)
5. custCreate_crud will capture the data inside the UserData object and store it into a database, then perform the createCustTrue and redirect user to the page which will confirm that the account has been created
    a. If account failed to create, user will be redirected to the original registration page to try again

Use case 2: Account login



1. User starts at the main index page
2. User stays on the page, enters login information
3. Login object captures the submitted data, verifies the format of the data (ex. Emails are email format)
4. Once data is valid, call the “read” method to compare the given information against the ones in the user info database. A userprofile will be returned to Login object.
    a. If no user profile was found, user will be re directed to the main login page to try again
    b. If the person logging is an admin, they will be re directed to the admin login page
    c. If the person logging in is a customer, they will be re directed to the user page, where “httpReqUserMenu” will be called to display the possible user options. This includes displaying the items on sale, which will be shown after “getItemsforSale” is called, and a list is returned through “itemsList”