

Book Sharing application Proposal

Functionalities

1. Register student to the system.
2. Login as Student to the system
3. Logout from the System.
4. Add books to the system.
5. Update book record in system
6. Delete book from system.
7. Search book all from system.
8. Borrow book form system.
9. Return book form system.

Views:

- Login View
- Register user view.
- Student portal view View.

Technology:

Java (JDK 17) , FX SDK -21 , MySQL ,PhpMyAdmin

Source control via GIT

IDE : Eclipse ,Sean Builder

Deliverable Milestone:

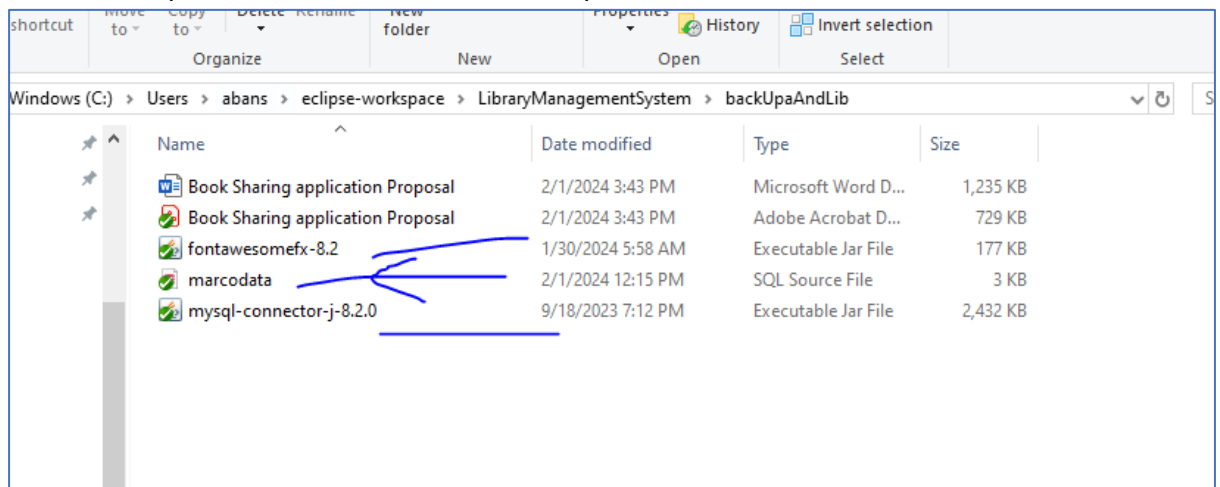
- Create local setup for Java +FX+ PhpMyAdmin and commit change to report repo. - done

<https://github.com/umayanga123/BookShareSystemApplication>

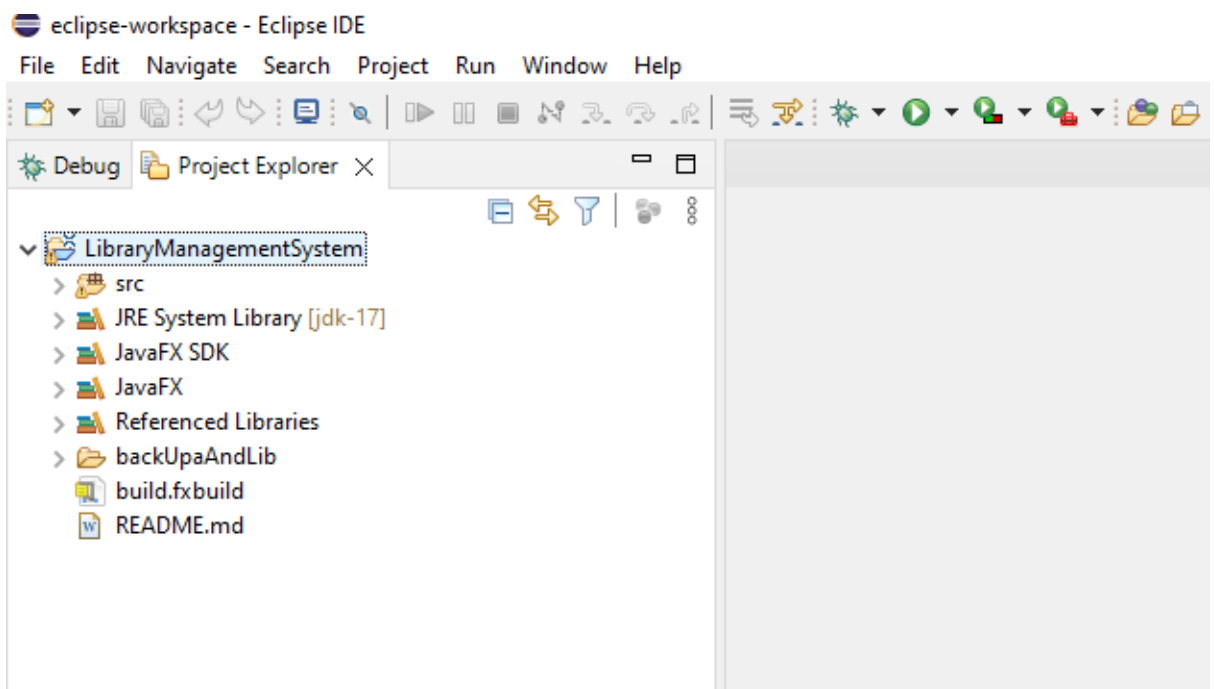
- Create Login Page -done
- Create Login Functionality with error handling. - done
- Create User Registration View and functionality. - done
- Create book Adding functionality. - done
- Create book search functionality. - done
- Create book update functionality.- done
- Create book delete functionality.- done
- Create Main View – borrow and lending books. -done

How to set up project

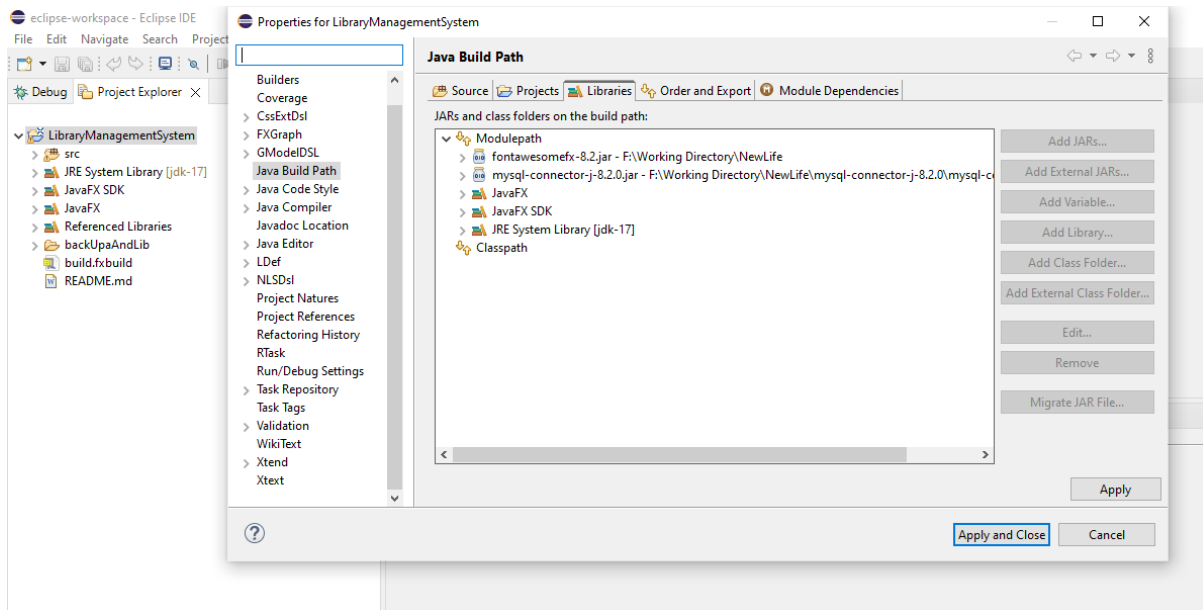
- Need to download Java 17 or latest version.
- Need to install wampp server or phpMyAdmin with MySQL in your PC
- Download 'javafx-sdk-21.0.2' to your PC.
- Install eclipse IDE and enable JavaFX support.
- Install seen builder to you PC
- UnZIP folder to you PC location.
- All DB backup and needed Jars inside 'backUpaAndLib' folder.



- Import unzip project as eclipse java project to your IDE.

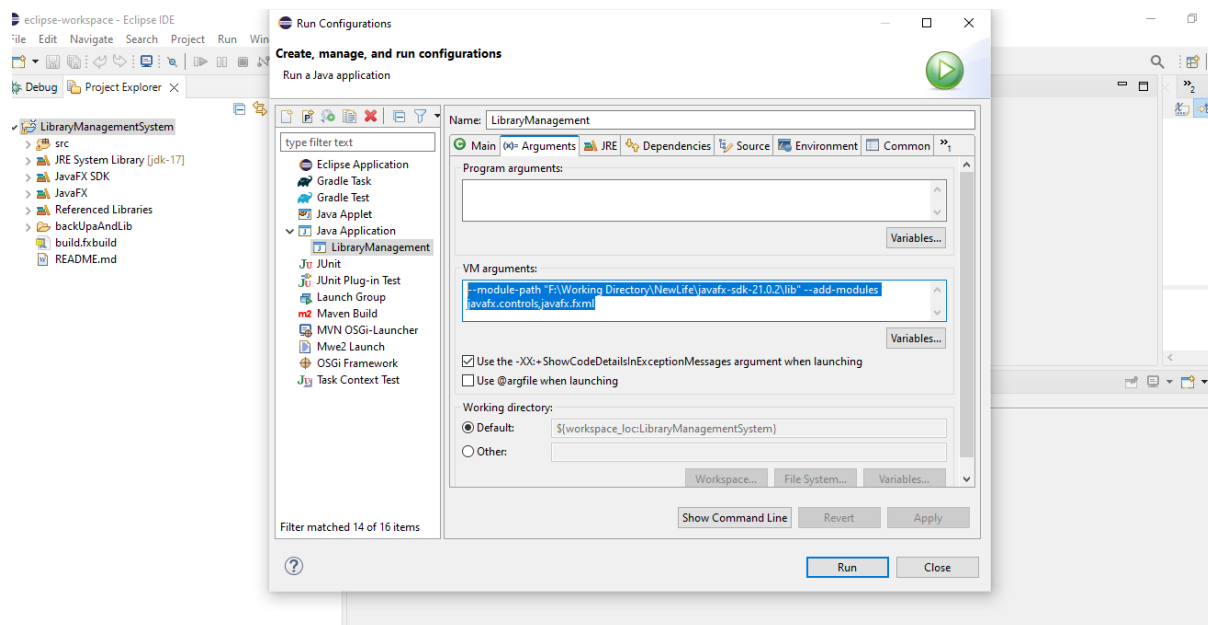


- Set up necessary jar to Java Build path.



- Restore the MYSQL DB to phpMyAdmin
- Add this to your runConfiguration path.

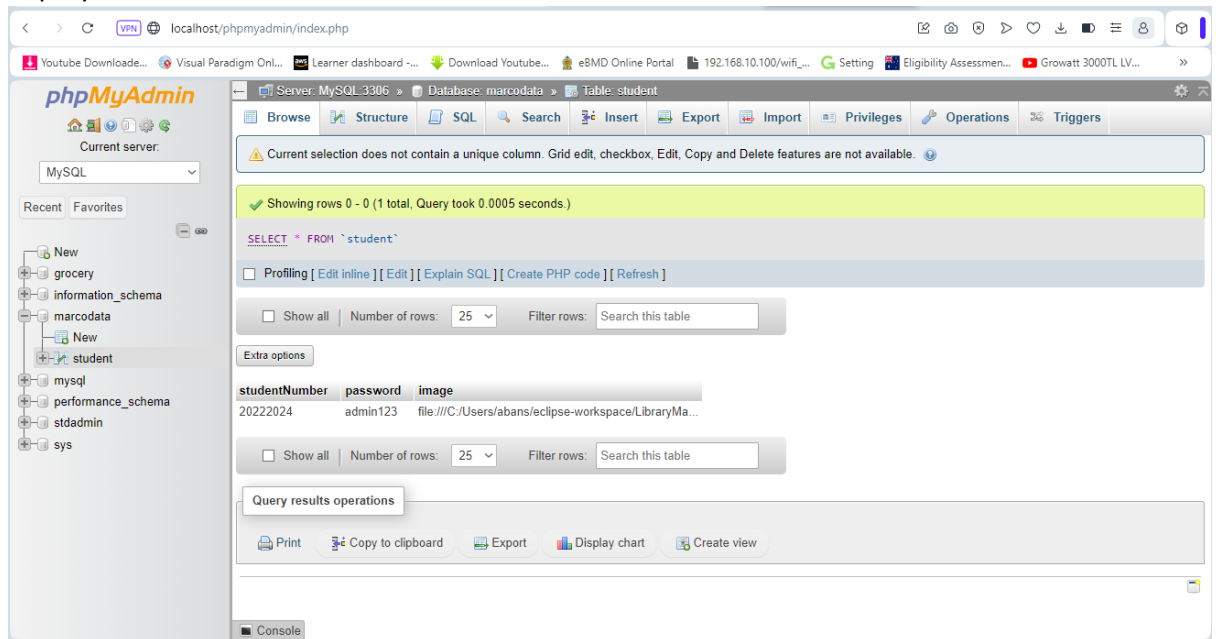
--module-path "F:\Working Directory\NewLife\javafx-sdk-21.0.2\lib" --add-modules
javafx.controls,javafx.fxml



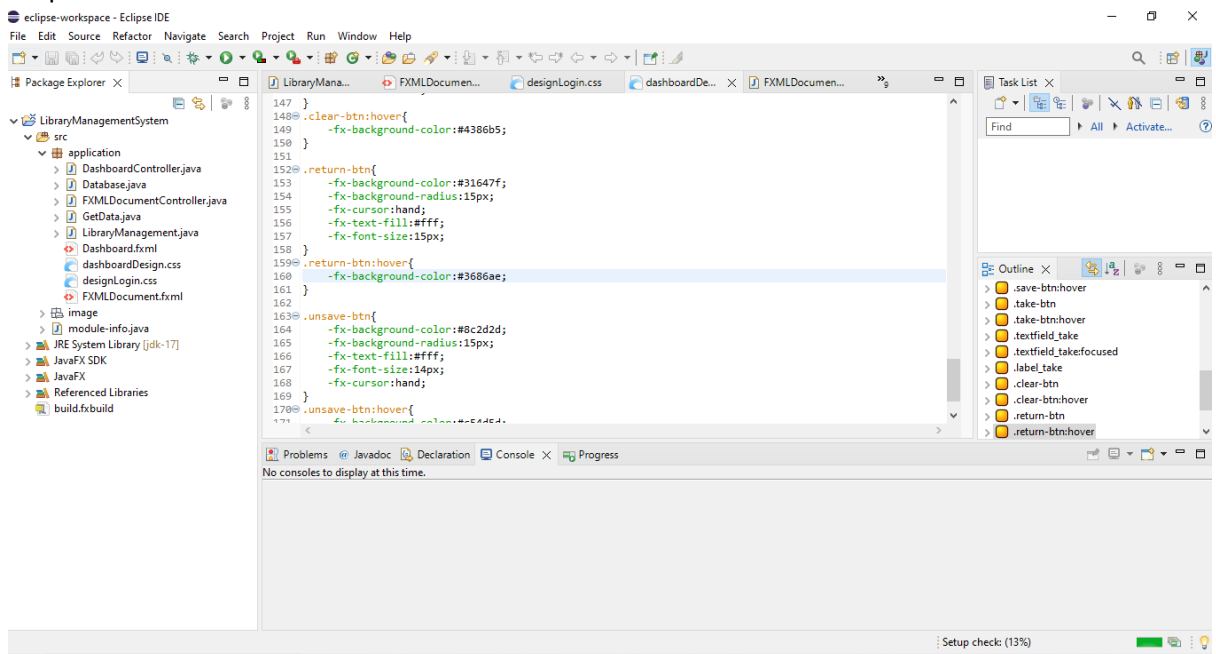
- Now you can run the project via eclipse.

Screen shot:

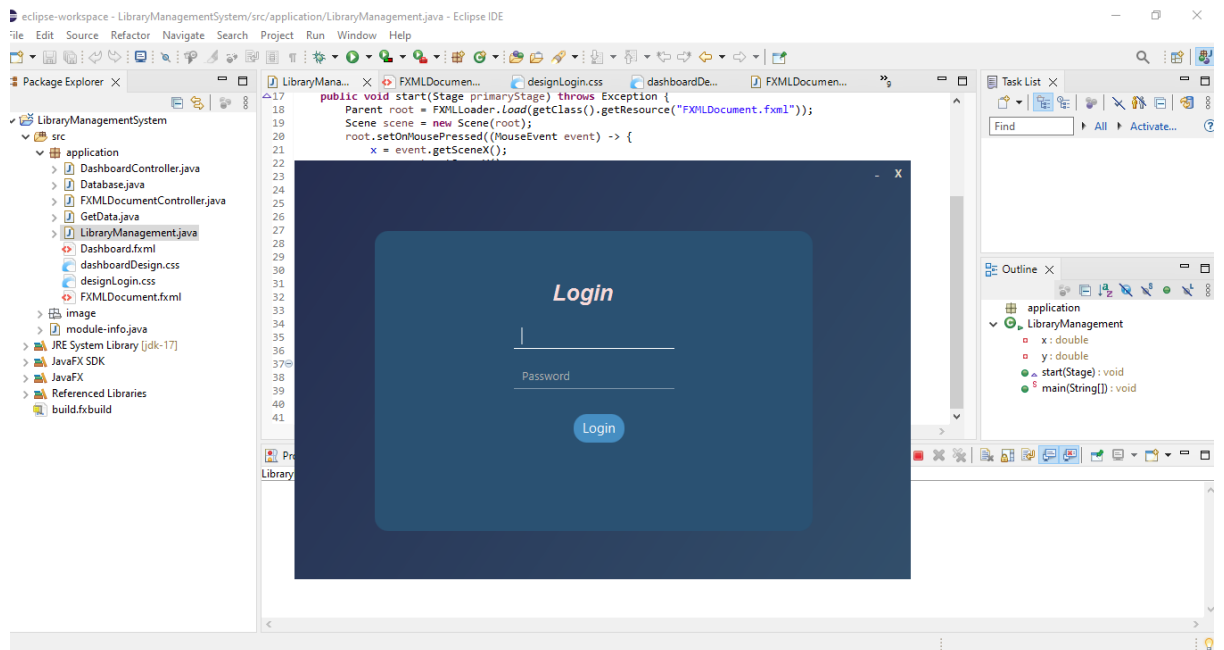
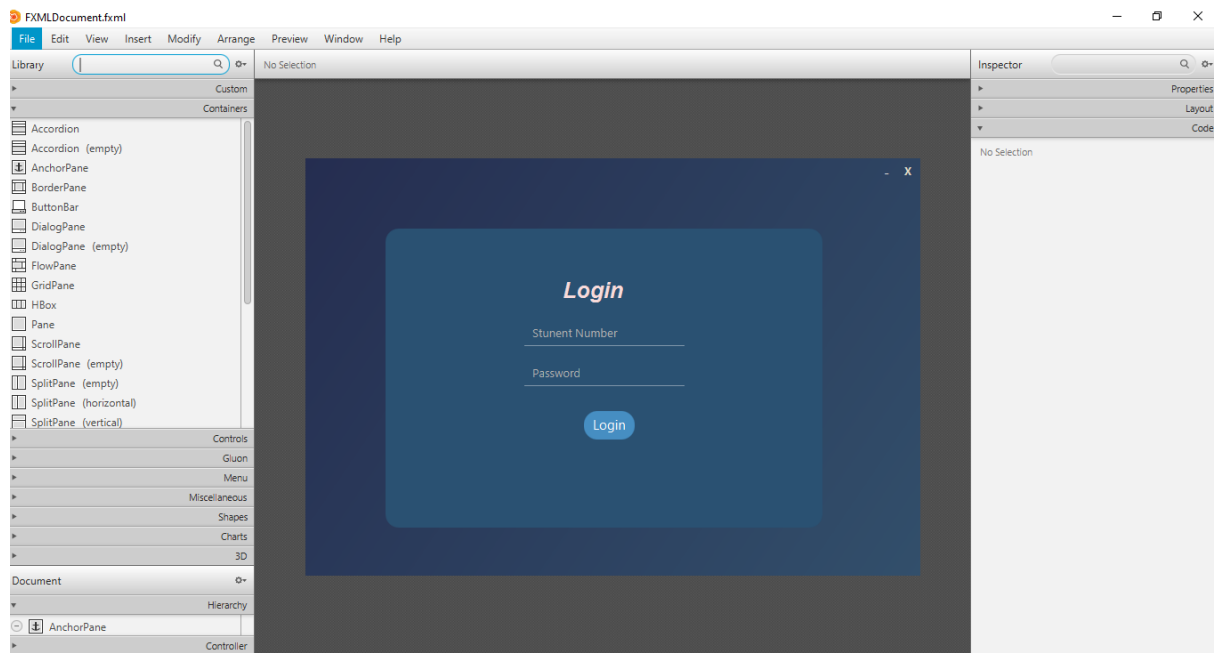
PhpMyAdmin



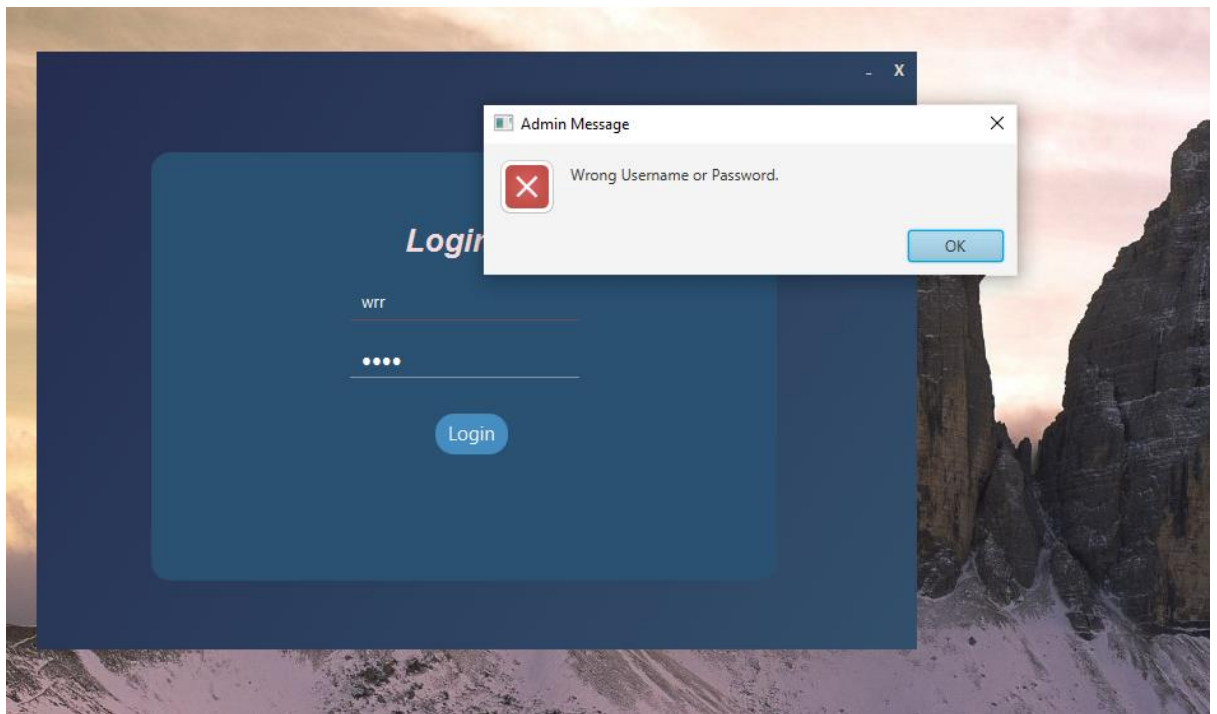
Eclipse Dev env



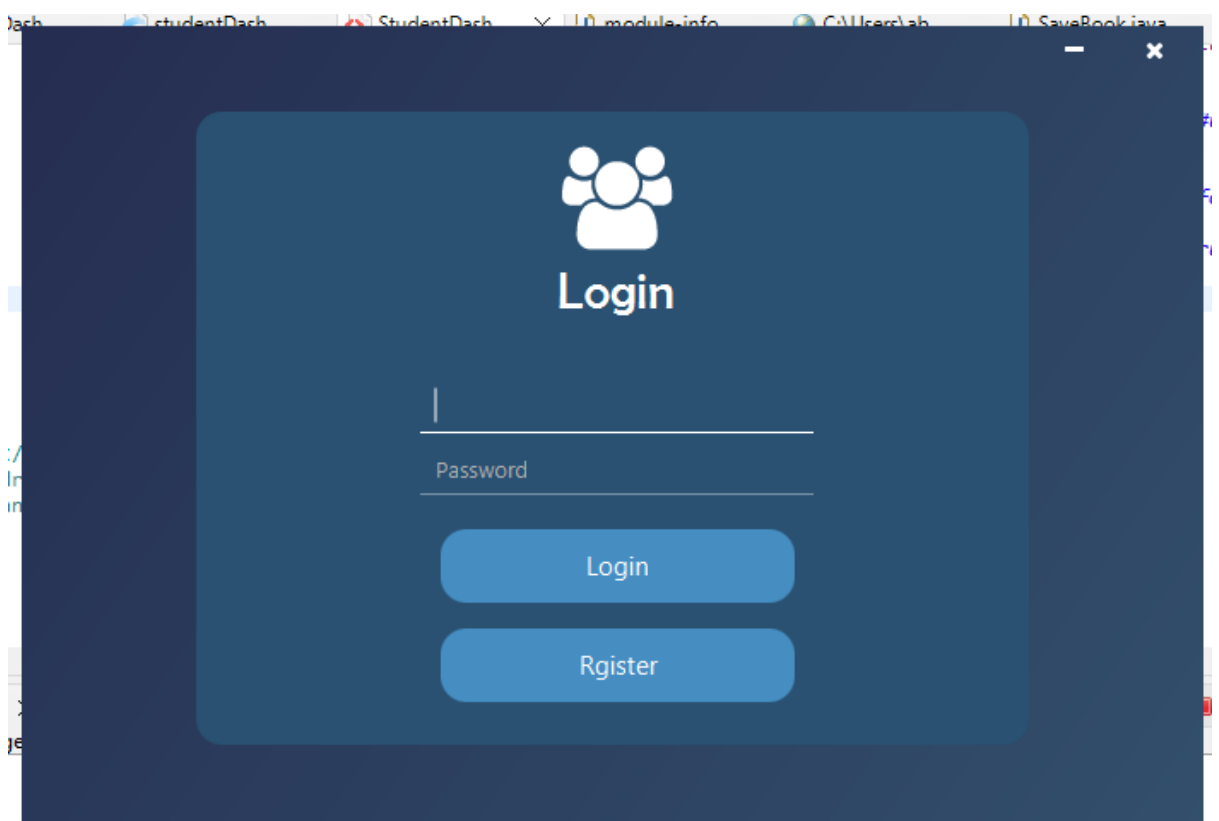
Scene Builder (Java FX)



Run Application and Text user validation with DB




UIs:



```
<img alt="User icon" data-bbox="398 131 481 188" style="display: block; margin-bottom: 10px;"/>

## Register User





User Name :



Password :



Confirm Password:



Browse DPRegister Userclear



←


```

Application [pid: 10000]

Register User

User Name : 1

Password : •

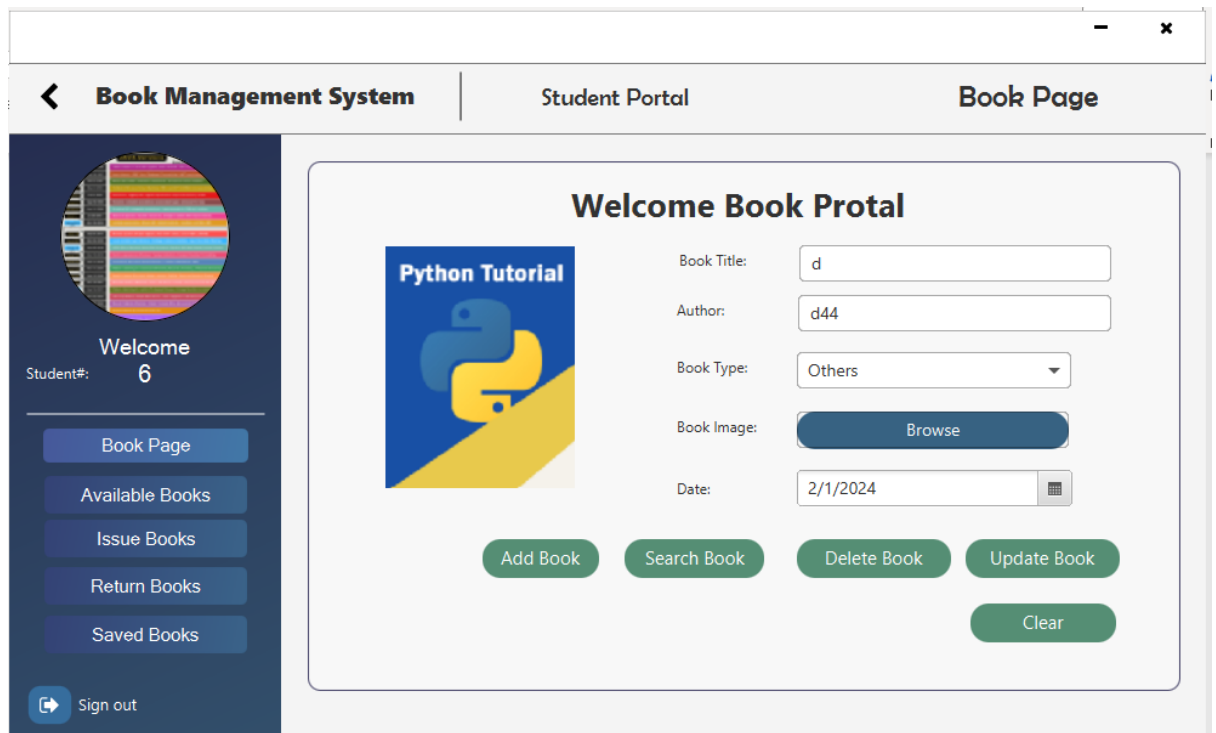
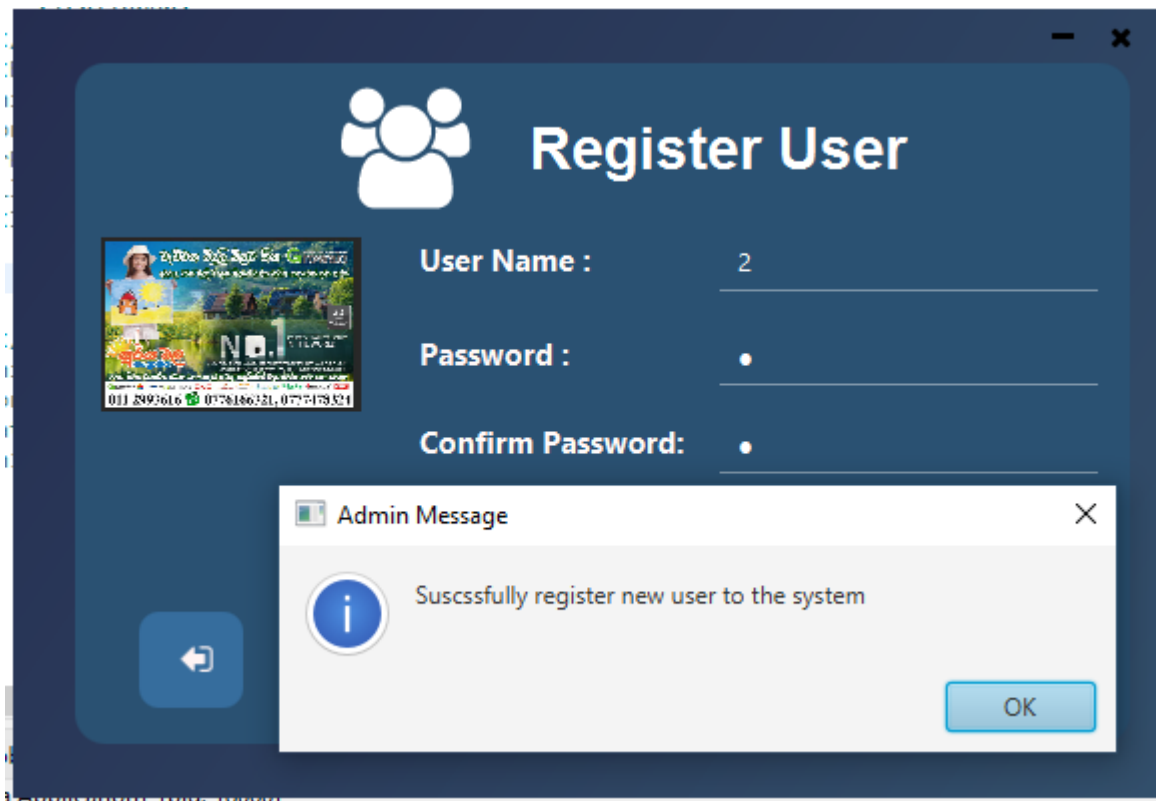
Confirm Password: •

Browse DP

Admin Message

✖ User Name already content in DB

OK





Welcome Book Page



Book Title:

Author:

Book Type:

Choose...

Book Image:

Browse

Date:

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Clear

Add Book



Programming Language

Title


Take


Book Title	Author	Book Type	Published Date
Programming Language	Thumbnail_01	Non-fiction	2018-10-16
JavaFX Tutorial	Thumbnail_02	Non-fiction	2020-04-24
Java Tutorial	Thumbnail_04	Non-fiction	2019-12-17
Python Tutorial	Thumbnail_05	Non-fiction	2017-08-06
C# Tutorial	Thumbnail_03	Non-fiction	2022-05-18


Book Management System


Student Portal


Issue Books

















Title: a

Author: r

Genre: fiction

Published date: 2024-02-07

Clear

Take

Student details:

Student Number:

4

First Name:

uma

Last Name:

madhu

Gender:

Male

Book Details:

Book Title:

a

Issued Date:

2024-02-01