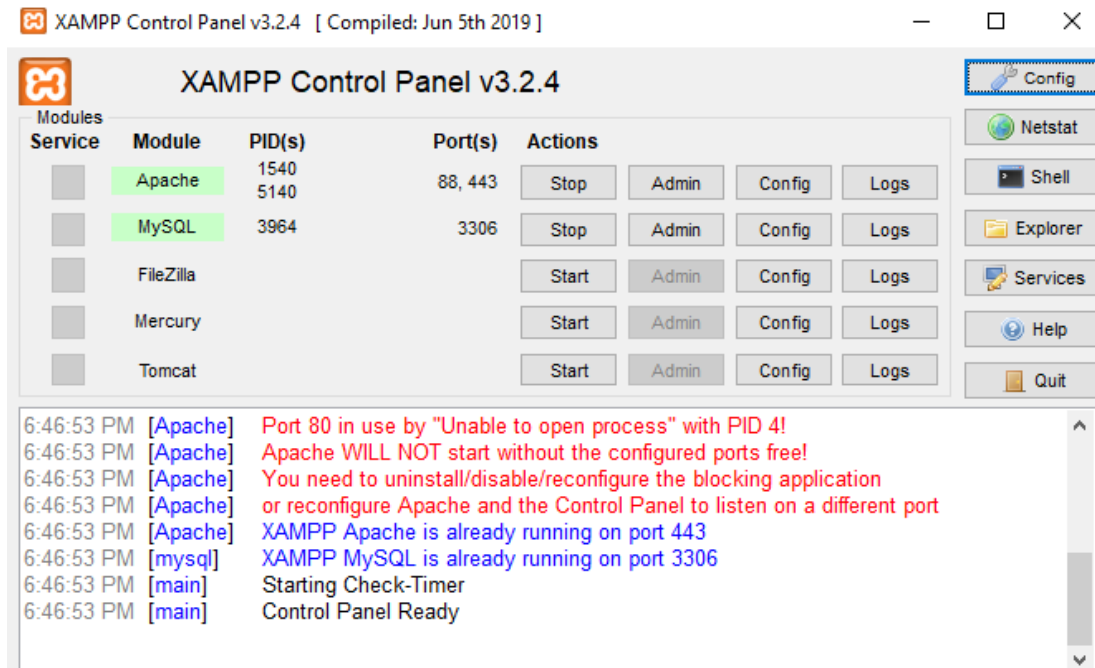


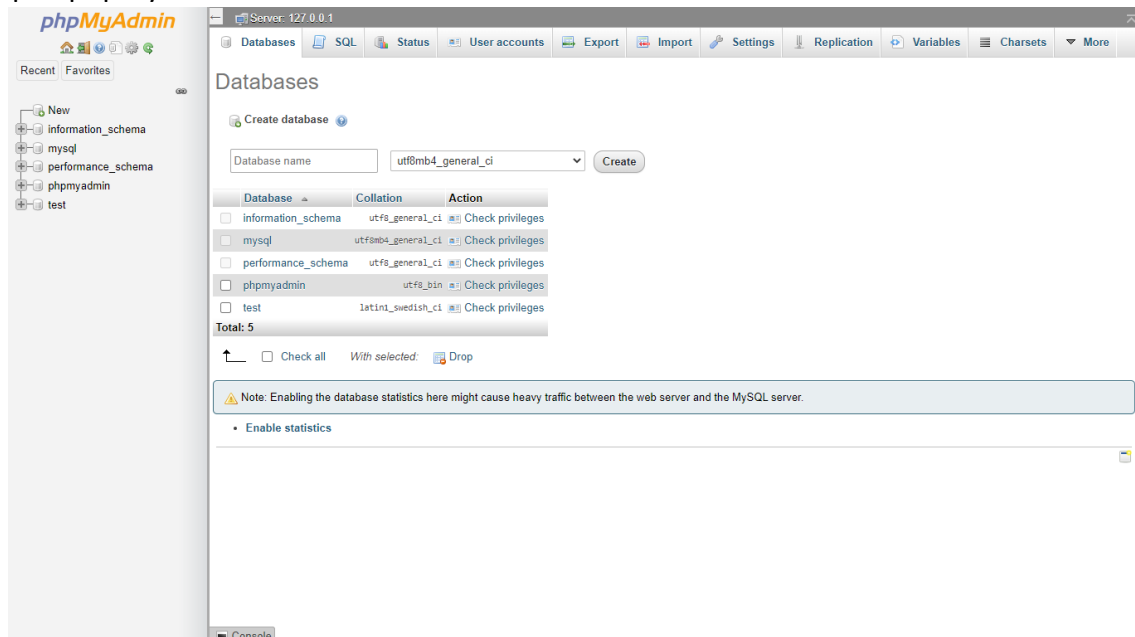
## Sweebook Guide

### Setting Up the Environment

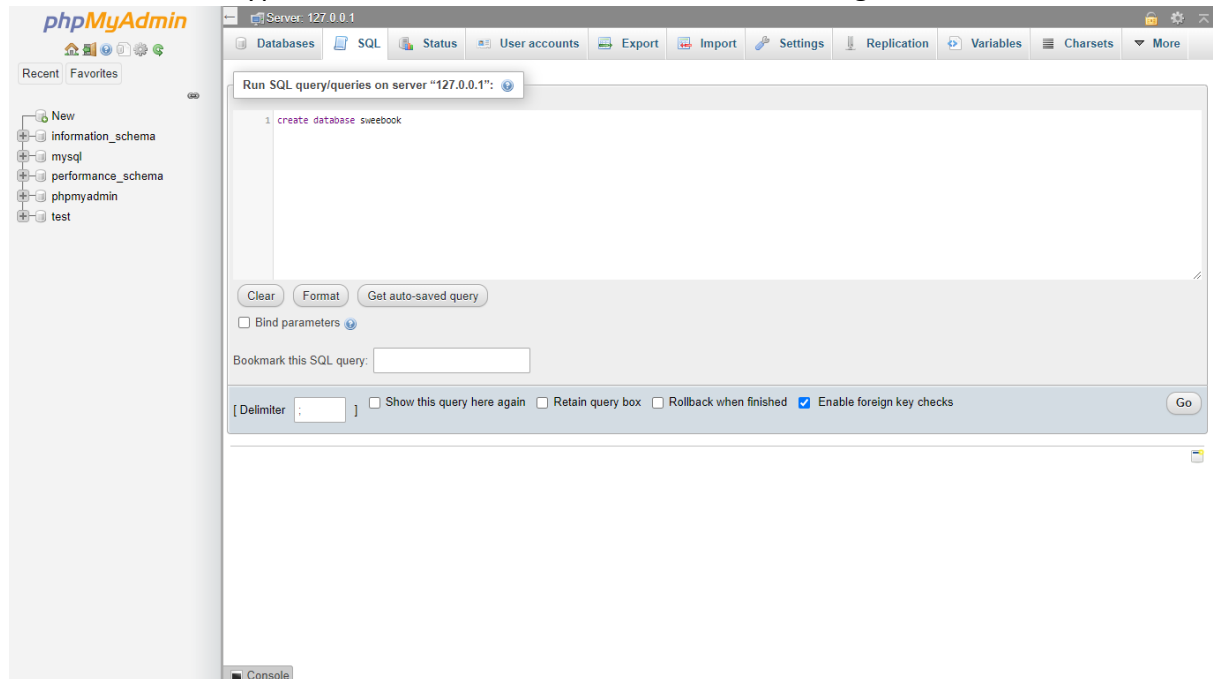
1. Install Java 8, Eclipse, XAMPP, and MySQL Java Connection
2. Open XAMPP and connect Apache and MySQL



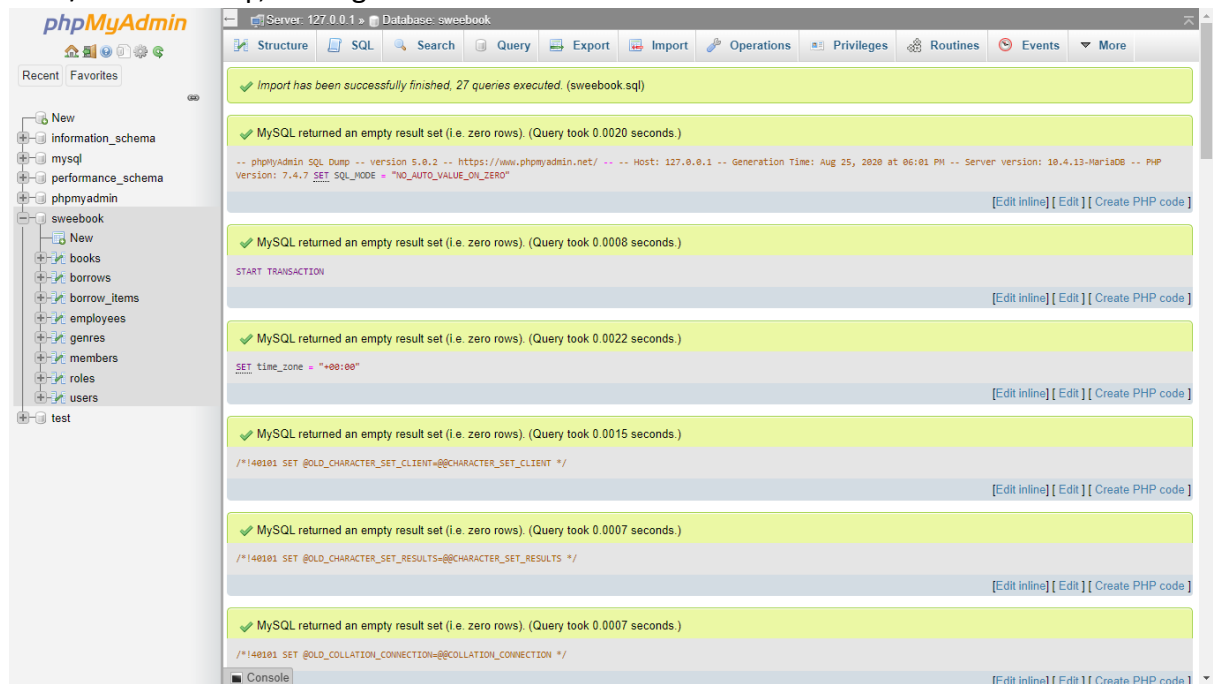
3. Open phpMyAdmin in browser



4. Go to SQL menu, type “CREATE DATABASE sweebook” and click “go” button



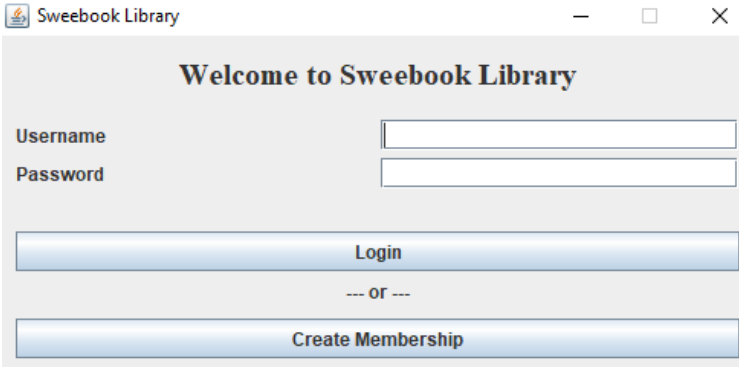
5. Click sweebook database in the left, click import menu, choose file, go to Case/sweebook.sql, click “go” button.



6. Open sweebook-library.exe

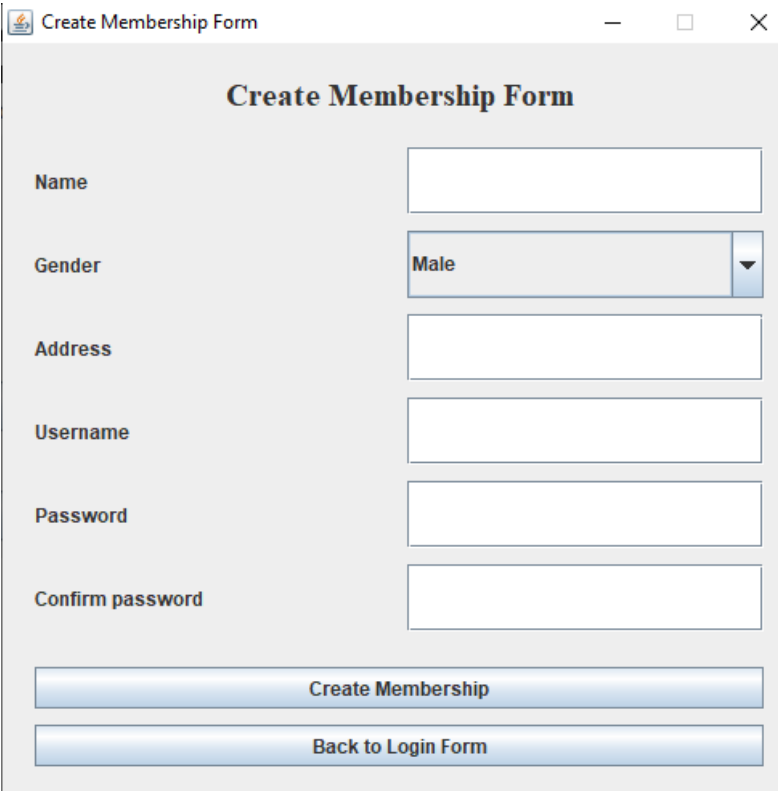
## Jump Right into the Program

7. There is a Login Form. Fill the Username and password field. After filling the field, click login or just press enter button on keyboard. If username and password doesn't match or you're a fired or pending employee, you aren't allowed to enter the program. If you haven't registered a membership you can click on "Create Membership Button". If the username and password is correct, then the main form would appear according to the user's role.



The screenshot shows a window titled "Sweebook Library" with a standard Windows title bar (minimize, maximize, close buttons). The window content has a light gray background and is titled "Welcome to Sweebook Library" in a bold, black, serif font. Below the title, there are two text input fields: "Username" and "Password". Below these fields is a blue button with the text "Login". Underneath the button is the text "--- or ---". At the bottom of the form is another blue button with the text "Create Membership".

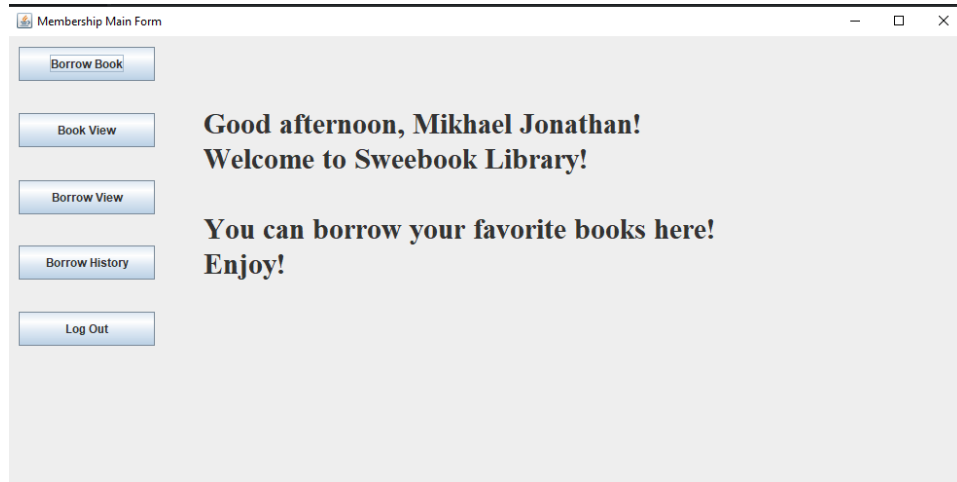
8. After clicking "Create Membership Button", Create Membership Form would appear. Fill the field. All of the field couldn't be empty. Username must be unique. Password has to contain minimum 8 characters alphanumeric and lowercase uppercase letter. After filling the field, click "Create Membership" button or just press enter button on keyboard. When the filled data is validated, then the Membership Main Form would appear.



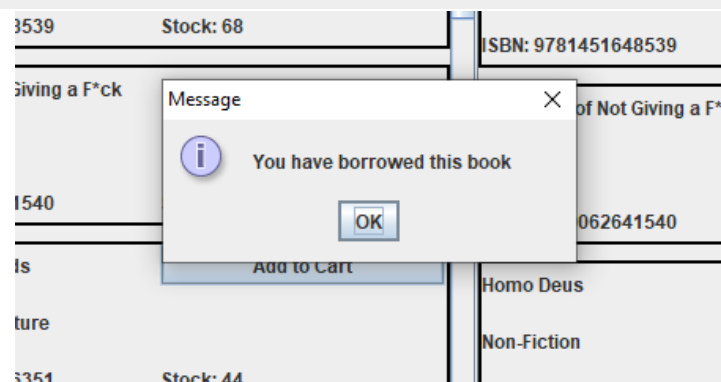
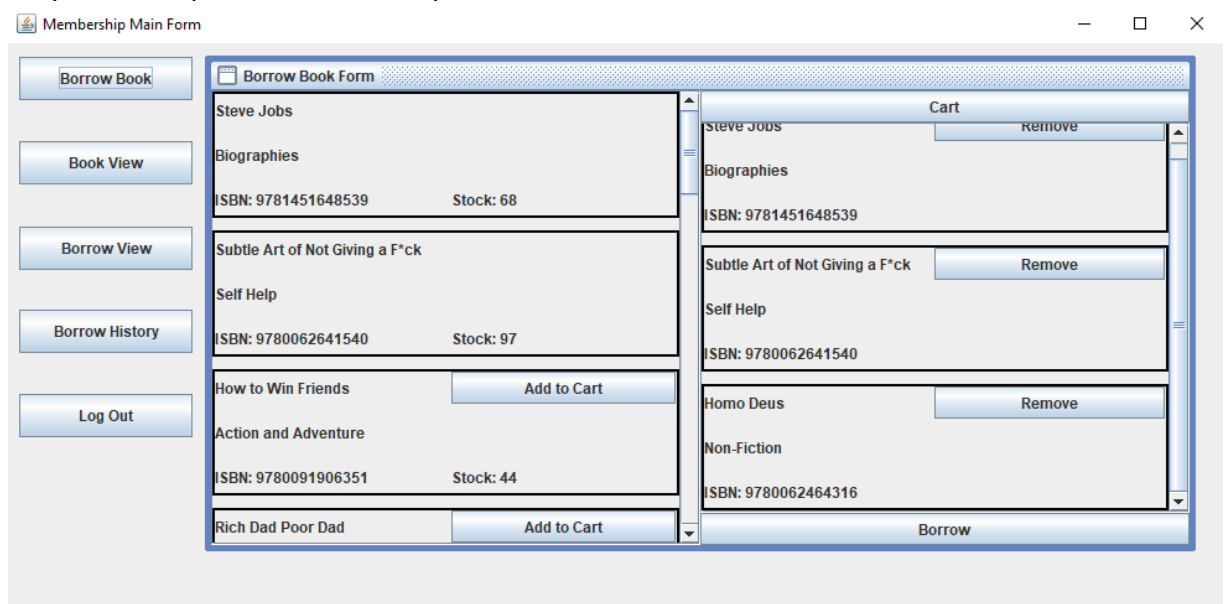
The screenshot shows a window titled "Create Membership Form" with a standard Windows title bar. The window content has a light gray background and is titled "Create Membership Form" in a bold, black, serif font. Below the title, there are several form fields: "Name" (text input), "Gender" (dropdown menu with "Male" selected), "Address" (text input), "Username" (text input), "Password" (text input), and "Confirm password" (text input). At the bottom of the form are two blue buttons: "Create Membership" and "Back to Login Form".

## A. Membership

9. When the membership main form appeared, you can borrow book, view book, view pending borrows, view borrow history, and of course you can log out and switch user.



10. When you want to borrow book, just click “Borrow Book” button in the left menu. You can add or remove the books into the cart and borrow the books in the cart. You could only borrow up to 10 books and you couldn’t borrow the same book.



11. When you want to view book, just click “Book View” button in the left menu. It only shows list of books in our library no matter it’s available to borrow or not.

The screenshot shows a web application window titled "Membership Main Form". On the left is a vertical menu with buttons: "Borrow Book", "Book View", "Borrow View", "Borrow History", and "Log Out". The "Book View" button is highlighted. The main content area is titled "View Book Form" and displays a list of books. Each book entry shows the title, genre, and ISBN.

Book Title	Genre	ISBN
Steve Jobs	Biographies	9781451648539
Subtle Art of Not Giving a F*ck	Self Help	9780062641540
How to Win Friends	Action and Adventure	9780091906351
Rich Dad Poor Dad	Business	9781513666613

12. When you want to view pending borrow, just click “Borrow View” button in the left menu. It shows list of your pending borrows that haven’t accepted by the admin. You can click “detail” button for viewing list of books of the single borrow.

The screenshot shows the same "Membership Main Form" window, but now the "Borrow View" button in the left menu is highlighted. The main content area is titled "Borrow View" and displays a list of pending borrows. Each entry shows the borrow number, borrow time, username, and a "Details" button. To the right of the list, there is a detailed view of the selected borrow, showing the book title and genre.

Borrow Number	Borrow time	Username	Details
1.	2019-12-25 09:17:02	anthon	<a href="#">Details</a>

**Pending**

Book	Genre
The Power of Positive Thinking	Non-Fiction
Introduction to Algorithms	Computer Science
A Brief History of Time	Science

13. When you want to view borrow history, just click “Borrow View” button in the left menu. It shows the accepted borrow that you’ve ever borrowed. There is month and year spinner to show borrow of specific month and year. If you want to show all borrows without specific month and year, just set the month and year into - symbol. You could click “detail” button for viewing list of books of the single borrow. You could return the book if the book hasn’t returned. You would be given a fine if you return the book more than 2 weeks from borrowing date. The fine would be bigger if you return later.

The screenshot shows the "Membership Main Form" with a left sidebar containing buttons: "Borrow Book", "Book View", "Borrow View", "Borrow History", and "Log Out". The "Borrow History" button is selected. The main area displays the "Borrow History" section with filters for "Month" (11) and "Year" (2019). It lists two borrow records:

Index	Borrow date	Username	Book Title	Return time	Action
1.	2019-11-25	anthon	How to Win Friends	Hasn't returned	Return
2.	2019-11-25	anthon	Rich Dad Poor Dad	Hasn't returned	Return

Each record has a "Details" button and a green "Accepted" status label. Below the main form, a partial view of the "Month" and "Year" dropdowns is shown, with the "Month" dropdown displaying a list of numbers from 1 to 7.

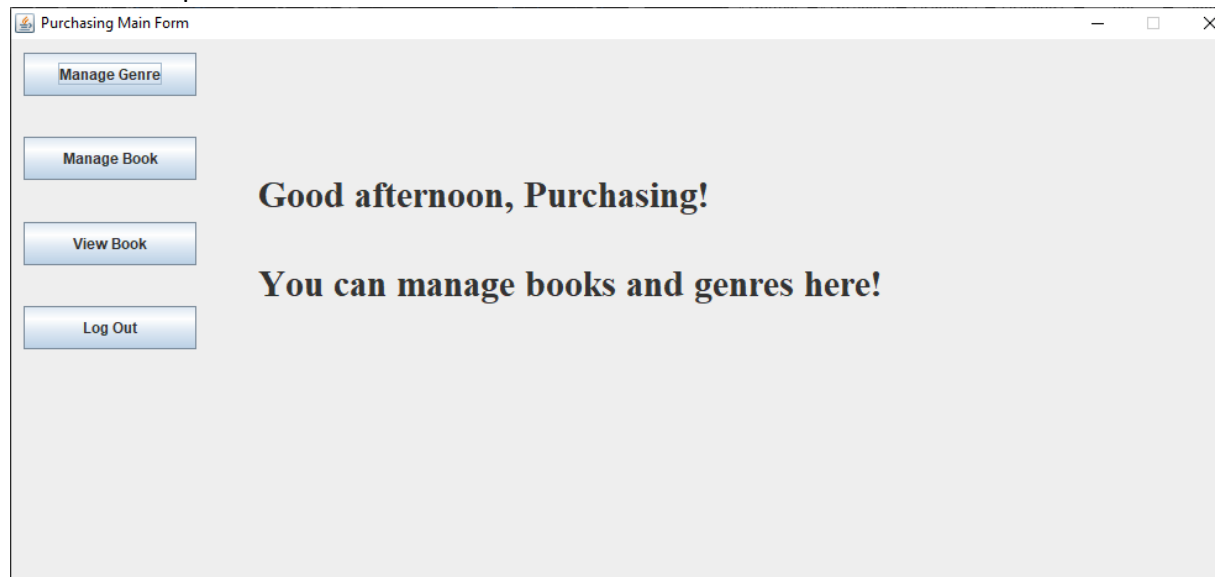
The screenshot shows an "Input" dialog box with a green question mark icon. The text inside the dialog reads:

Fine: 264000  
Enter your money:

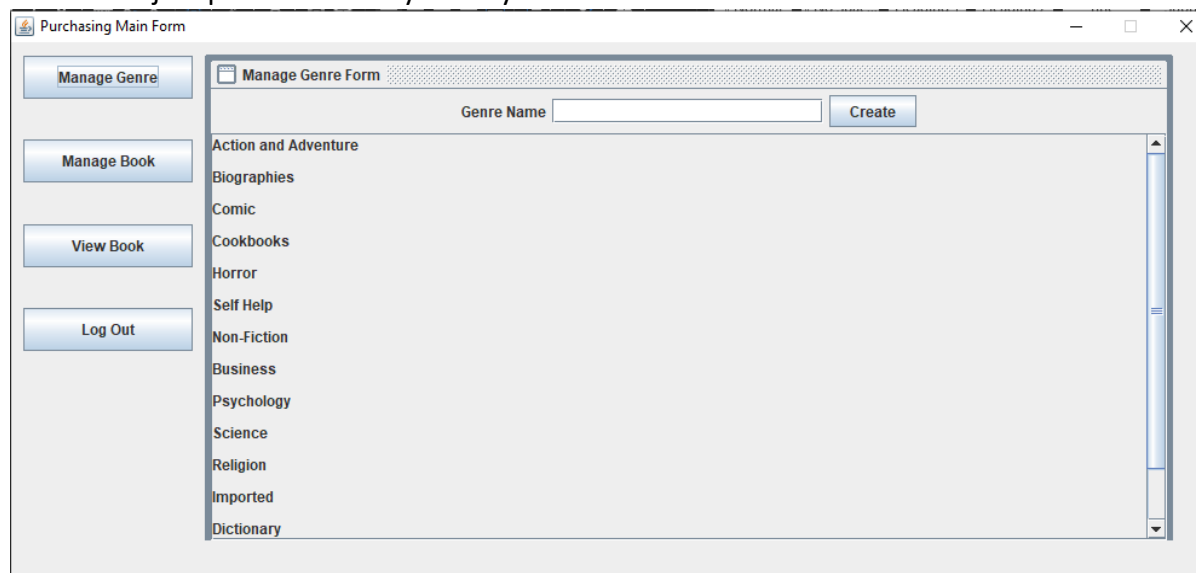
Below the text is an empty input field and two buttons: "OK" and "Cancel". The dialog box is overlaid on the "Borrow History" form, specifically over the "Details" button of the second record.

## B. Purchasing

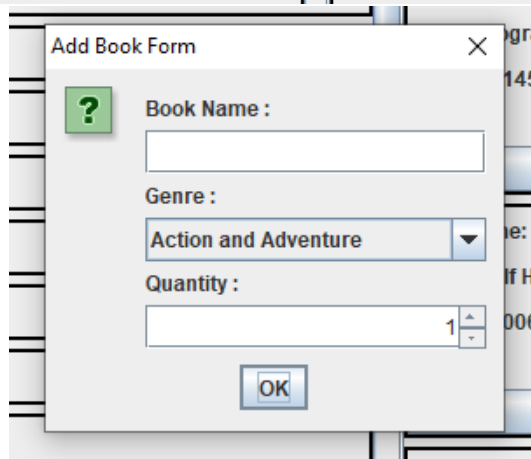
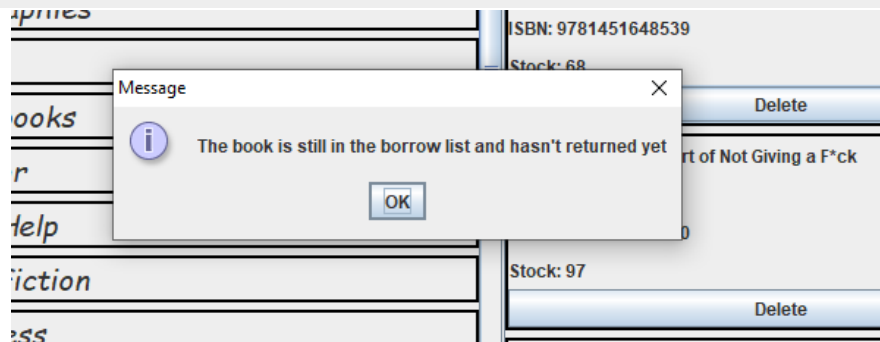
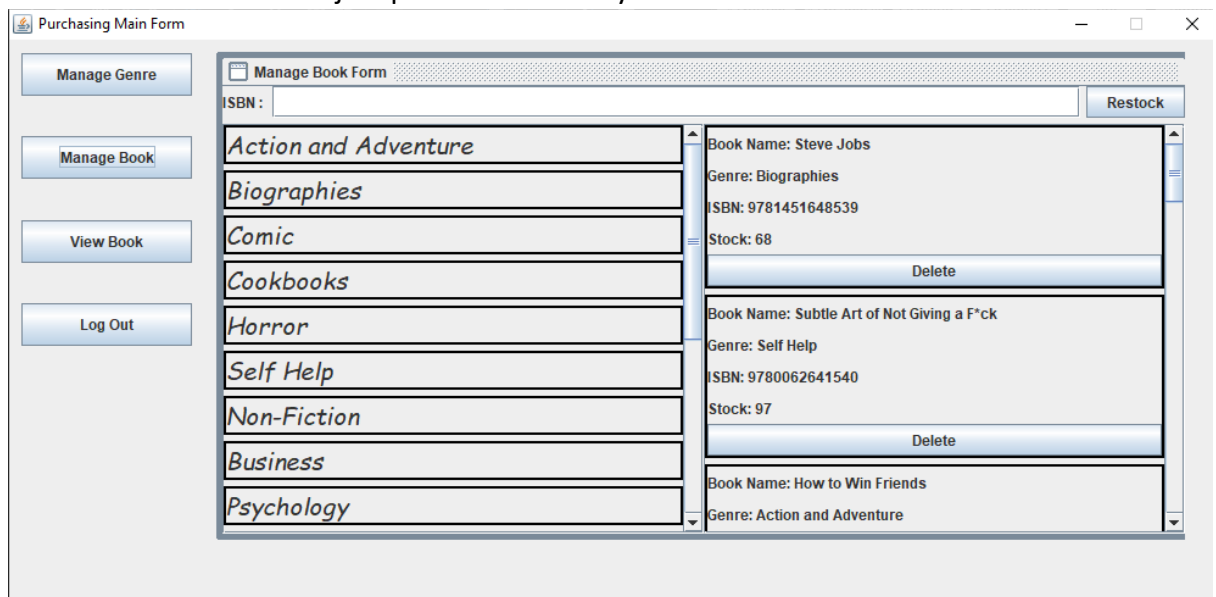
14. If you log in as purchasing employee, the Purchasing Main Form would appear. You can manage genre, manage book, and view book here. The view book is the same as membership.



15. When you want to manage genre, just click "Manage Genre" button in the left menu. It shows the list of genres and there is a genre name field if you want to add genre. The added genre must be unique. If you're sure to add the genre name, just click "create" button or just press enter on your keyboard.



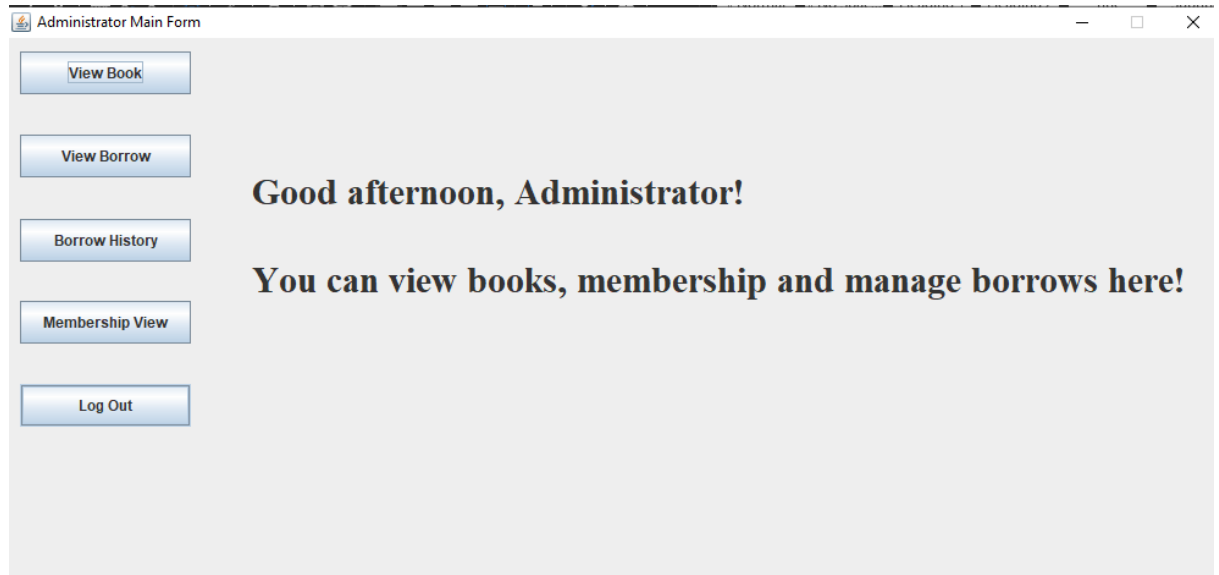
16. When you want to manage book, just click “Manage Book” button in the left menu. It shows the list of genres and the list of books in our library. If you want to delete the book in the library just pressed “delete” button on a single book. If the book is still borrowed you can’t delete the book. You also can restock or add book by typing the ISBN in the field. ISBN has to contain 10 until 13 numeric characters. Then, click “restock” button or just press enter on keyboard. If the ISBN exists, then increment the book with corresponding ISBN number by one. If not exist then “Add Book Form” would appear. You can fill the book name, genre, and quantity for the new book. Book name can’t be empty and the quantity must be in range 1 until 100. After being filled then click “ok” button or just press enter on keyboard.



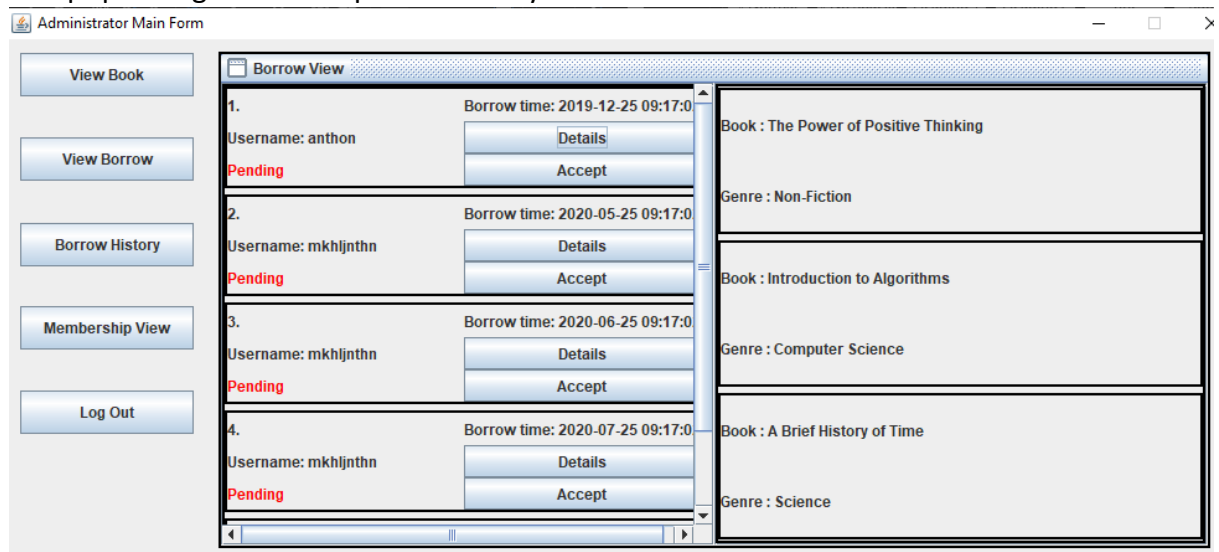


## C. Administrator


17. If you log in as administrator employee, the Administrator Main Form would appear. You can view book, view pending borrows, view borrow history, and view membership. The “view book” functions the same as before.

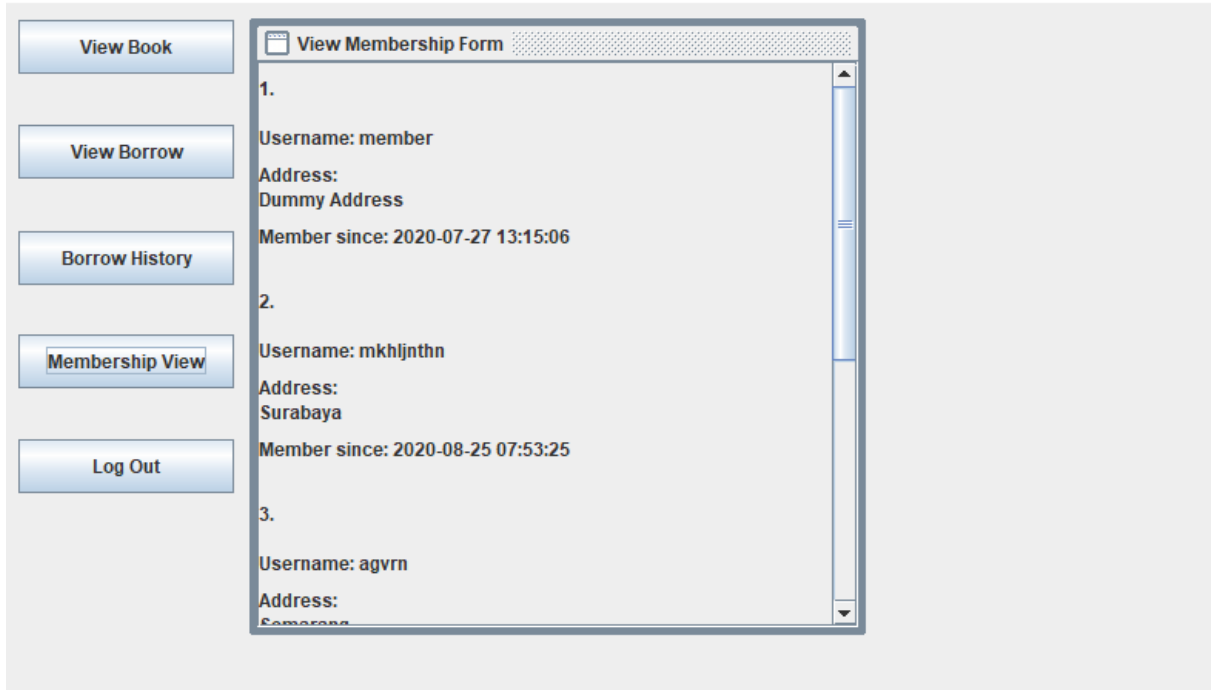


18. The “view borrow” is a little bit different. There is an additional “accept” button to accept pending borrow request from any members.



19. The “borrow history” is almost the same as before but it shows all of the accepted borrow history from all members.
20. When you want to see all the member registered, just click “membership view” button on the left menu. The “View Membership Form” would appear.

 Administrator Main Form

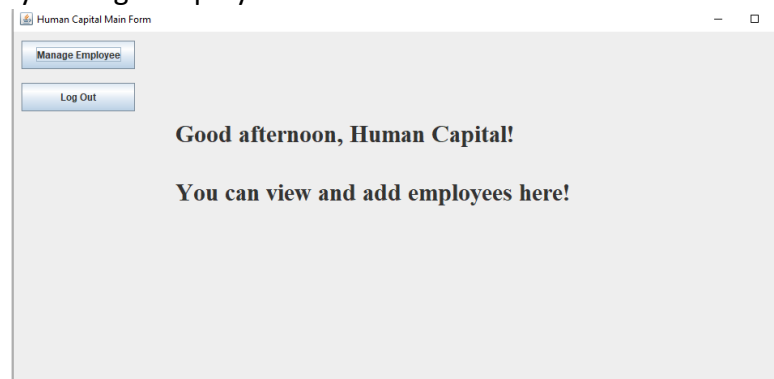


The screenshot displays the Administrator Main Form interface. On the left, there is a vertical menu with five buttons: "View Book", "View Borrow", "Borrow History", "Membership View", and "Log Out". The "Membership View" button is highlighted. To the right of the menu, a window titled "View Membership Form" is open. This window contains a list of three members, each with their username, address, and the date they became a member.

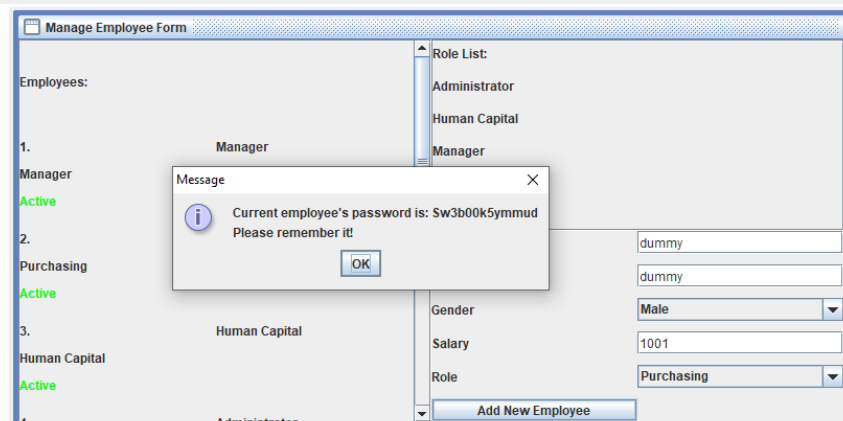
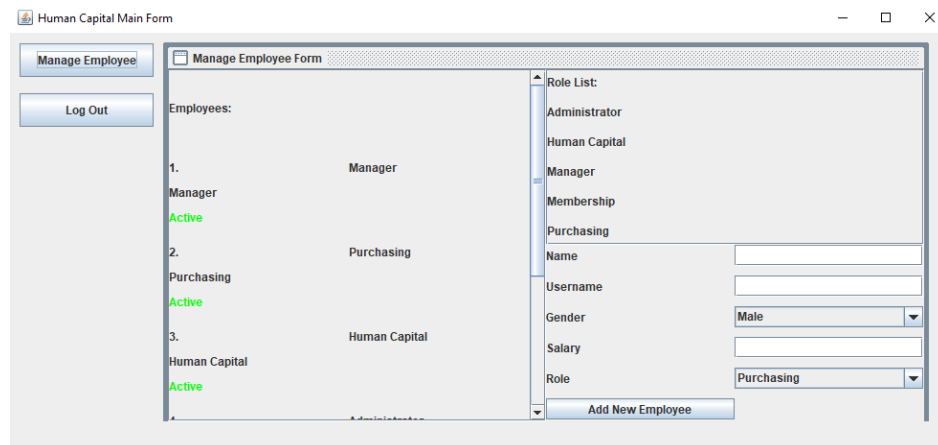
Member ID	Username	Address	Member since
1.	member	Dummy Address	2020-07-27 13:15:06
2.	mkhlnthn	Surabaya	2020-08-25 07:53:25
3.	agvrn	Semarang	

## D. Human Capital

21. If you log in as human capital employee, the Human Capital Main Form would appear. You could only manage employee here.



22. When you want to manage employee, just click “manage employee” button in the left menu. The Manage Employee Form would appear. It shows the list of the employee with their role and the list of the roles. There is also a form to add a new employee, of course the roles excluding membership and the manager. All of the fields couldn't be empty, the username must be unique, and the salary must numeric and above 1000. After the field has been filled, click “Add New Employee” button or just press enter on keyboard. The status of new employee would be “Pending” and wait for the approval from the manager. The password would be generated by the program and you have to remember it.



## E. Manager

23. If you log in as manager, the Manager Main Form would appear. You can view borrow history, view membership, and manage employee. The “Borrow history” and “view membership” function the same as before.

The screenshot shows the 'Manager Main Form' window. On the left side, there is a vertical menu with four buttons: 'Borrow History', 'View Membership', 'Manage Employee', and 'Log Out'. The main area of the form displays a greeting: 'Good afternoon, Boss Manager!' followed by a bold statement: 'You can view borrows, memberships, and manage employees here!'.

24. The manage employee menu is a little bit different as before. You can accept the employee pending request that inputted by human capital employee. Of course, the active and fired employee couldn't be accepted. You can also fire the employee except yourself. Of course, the fired and pending employee couldn't be fired. When you want to add employee, the employee's status is “active”, unlike employee that inputted by human capital employee.

This screenshot shows the 'Manager Main Form' with the 'Manage Employee Form' sub-window open. The sub-window contains a table of employees and a form for adding new employees.

ID	Status	Role	Action
3.	Active	Human Capital	Fire
4.	Active	Administrator	Fire
5.	Fired	Dummy Employee	
6.	Pending	Pending Employee	Accept

On the right side of the 'Manage Employee Form', there is a 'Role List' section with a scrollable list of roles: Administrator, Human Capital, Manager, Membership, and Purchasing. Below this list is a form for adding a new employee with the following fields:

- Name:
- Username:
- Gender:
- Salary:
- Role:

At the bottom right of the sub-window is an 'Add New Employee' button.

25. Available user you can test and check:

- Username: member  
Password: member  
Role: Membership
- Username: purchasing  
Password: purchasing  
Role: Purchasing
- Username: admin  
Password: admin  
Role: Administrator
- Username: hc  
Password: hc  
Role: Human Capital
- Username: manager  
Password: manager  
Role: Manager
- Username: agvrn  
Password: Rianganteng123  
Role: Membership
- Username: anthon  
Password: Anthonganteng123  
Role: Membership
- Username: mkhljnthn  
Password: Mjganteng123  
Role: Membership
- Username: dummyemployee  
Password: dummyemployee  
Role: Purchasing
- Username: pendingemployee  
Password: pendingemployee  
Role: Human Capital