**Library Management System**

**User Manual**

This document will explain how to use the library management system made by Carl Herdman and Kevin Flynn.

This system consists of a database, java database connector and a java swing GUI.

**User login page** – This is where the user will log into the library management system using these credentials (username: Admin and password: Admin).

Graphical user interface, application

Description automatically generated

**Home page** – This is where you’ll be redirected once you login and as you can see you this is where you can navigate the library system by clicking the desired button or you can click log out to be redirected to the login page.

Graphical user interface, application

Description automatically generated

**Adding user** – This page is where you’ll add new users to your library you just insert the appropriate values into the 4 fields you see in the image below just make sure this user is not already in the database because this will return an error for you.

Graphical user interface, application

Description automatically generated

**Viewing users** –This is where you can view all the current users in the library as you can see the user, I added from above is shown in the library as a user.

Graphical user interface, text, application

Description automatically generated

**Add book** – This is where you’ll add your book stock to the library here you just specify the data in the fields you see in the image below.

Graphical user interface, application

Description automatically generated

**Viewing books** – This is the table that will show all the books you have in the library and it’ll show the stock value as you can see below.

Graphical user interface, text, application, email

Description automatically generated

**Issuing book** – This is where a user in the library can buy or rent a book in the library all that’s needed is the users’ details and the books details and if both the user and book exist in the library the book will be issued to the specified user.

Graphical user interface

Description automatically generated

**View issued books** – This will display all the books that were bought and rented and if the book was rented it has 2 dates specified date purchased and date for return which will be one week from when the user rented the book.

Graphical user interface, application, table

Description automatically generated

**View overdue accounts** - This displays all users who rented a book and went over their due date as you can see the table is empty below as no user has gone over their due data.

Graphical user interface, text, application, email

Description automatically generated

**Return book** – The user inputs the details of the book the bought/rented then inputs their email and the number of copies of that book they will return.

Graphical user interface, application

Description automatically generated

**Remove user** – You specify the user’s information in the table fields and the user will be removed from the library.

Graphical user interface, application

Description automatically generated

Remove book – Specify the books details in the table fields and the amount you want to remove from the library if you remove all its stock, it will be removed completely from the library.

Graphical user interface, application

Description automatically generated

**Print button** – You may also notice on all the view tables there is a print button it does exactly what you think prints the table onto a page or pdf depending on what you specified.

Graphical user interface

Description automatically generated