

Library System User Guide 2019

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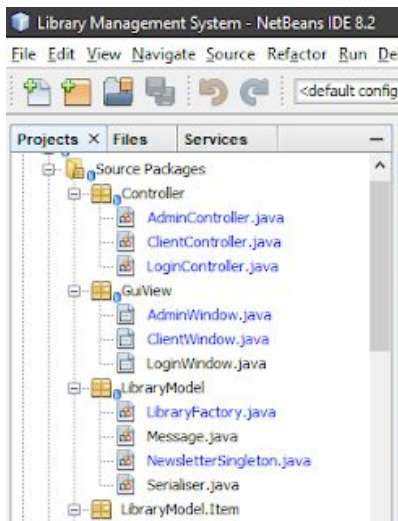
1 Running From Netbeans

1.1 Running Debug

Press the green arrow to start the program



If the program does not run or throws an error, inside the “LibraryFactory.java” class,



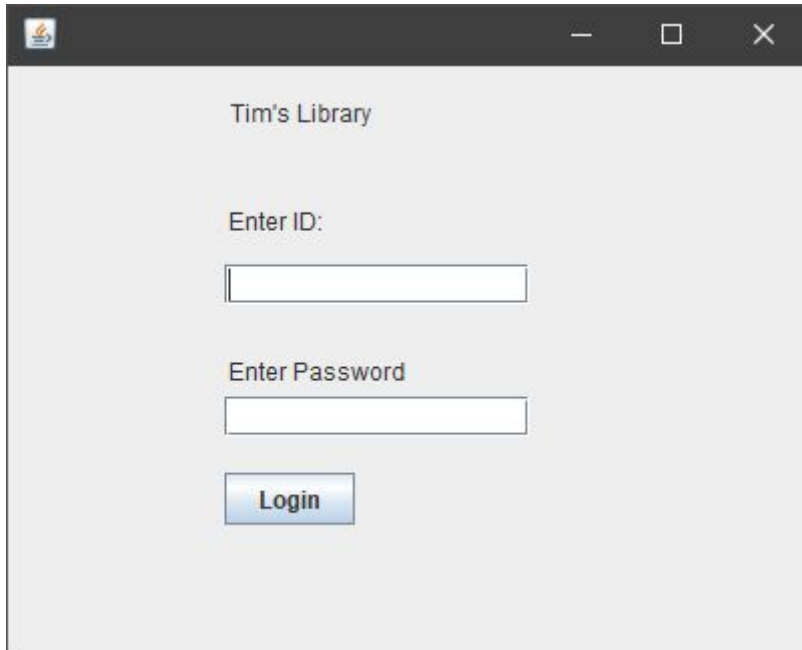
uncomment this line and run the program. Re-comment after the program has run.

```
//Open the Library
public void openLibrary()
{
    //Uncomment the line below to reset the Library to default data
    //resetToDefault();
}
```

2 Login

2.1 How to Login

Enter details into relevant field. Note: the ID usually starts with an A or C followed by numbers. Click the “Login” button after all information is entered.

A screenshot of a web application window titled "Tim's Library". The window has a standard operating system title bar with a minimize button, a maximize button, and a close button. The main content area is light gray and contains the following elements: the title "Tim's Library" at the top, followed by the label "Enter ID:" and a text input field. Below that is the label "Enter Password" and another text input field. At the bottom of the form is a blue button with the text "Login" in white.

2.2 How to Logout



Locate this button in the window and press it. This will log you out.

2.3 Default Accounts

These are the default accounts set into the program:

Admin (Alan Jones)

ID: A0

Password: admin

John Smith

ID: C0

Password: pass

Tom N. Jerry

ID: C1

Password: cheese

Simon Sayes

ID: C2

Password: yes

Bopis Jonson

ID: C3

Password: no

John Johnsons

ID: C4

Password: johnsons

3 Client Window

3.1 Checking Availability of Resource

The screenshot shows a web application interface for a library system. At the top, there is a "Welcome John Smith" message and a "Logout" button. A "News" section displays a message from 2019-08-09. The main area is divided into three columns: "Resource List", "Borrowed Resources", and "Messages". The "Resource List" contains a scrollable list of items, with "1800, The Adventures of Tim, BOOK" selected. Below this list is a "Check Availability" button. The "Borrowed Resources" section has a "Check Status" button. The "Messages" section is currently empty. Below the "Resource List", there is an "Availability" section for the selected item, showing it is "In Stock" and has no ratings. To the right of this is a "Status" section. Below the "Availability" section, there is a "Borrow Length" section with radio buttons for "2 Weeks" (selected) and "6 Months", and a "Borrow" button. To the right of this is a "Give your rating on this item" section with a scale from 1 (Bad) to 5 (Good) and a "Give Rating" button. Below the "Borrow Length" section, there is a "Request New Resource" section with a text input field and a "Request" button. To the right of this is a "£ 0.00" field with a "Return" button. At the bottom, there is an "Ask for Extension" section with radio buttons for "3 Days" (selected), "7 Days", and "14 Days", and a "Request Extension" button.

News: No Title (2019-08-09)

No Text

Welcome John Smith

Logout

Resource List

- 1800, The Adventures of Tim, BOOK
- 2800, The Misadventures of Tim, BOOK
- 3800, The Tim of the World, BOOK
- 1000, Coding with Tim, BOOK
- 4800, The Da Vintim Code, BOOK
- 1500, The Tiny World Around Us, BOOK
- 2500, This Factory Within Us, BOOK
- 1200, Religions Around the World with Tim, BOOK
- 1300, The 2008 Bubble by Tim, BOOK
- 1400, Easy Japanese with Tim, BOOK
- 1200, Tim's Vision of the World, BOOK
- 5800, The Da Vintim Code, DVD
- 6800, Dom & Gerry: The Great Adventure, DVD
- 1600, Tim's Bin Ideas, DVD

Check Availability

Borrowed Resources

Check Status

Messages

Availability

The Adventures of Tim
In Stock

User Rating: 0 (No Ratings Yet)
Your rating: 0 (You have not rated this item yet)

Borrow Length

☒ 2 Weeks ☐ 6 Months

Borrow

Status

Give your rating on this item

Bad ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 Good

Give Rating

Request New Resource

£ 0.00

Return

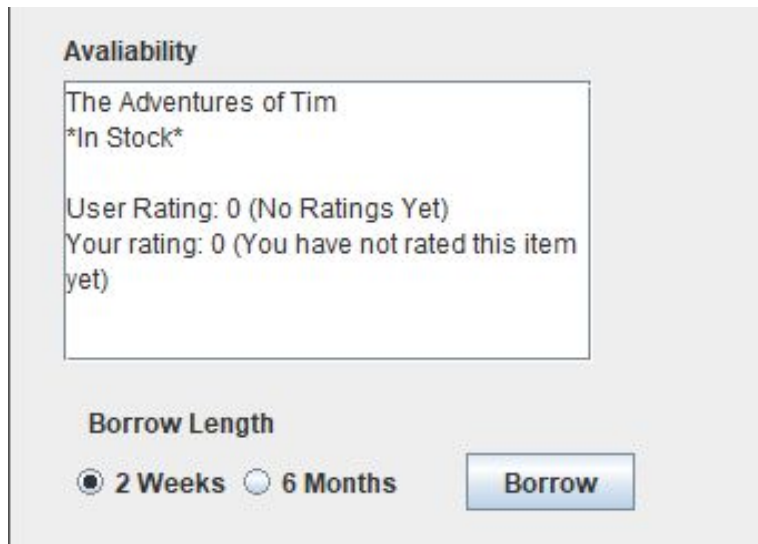
Ask for Extension

☒ 3 Days ☐ 7 Days ☐ 14 Days

Request Extension

Select a resource from the resource list and press "Check Availability", the information for that resource would be displayed in the box below.

3.2 Borrowing a Book



Availability

The Adventures of Tim
In Stock

User Rating: 0 (No Ratings Yet)
Your rating: 0 (You have not rated this item yet)

Borrow Length

☒ 2 Weeks ☐ 6 Months

Check if the resource you want to borrow is displayed in the box, then choose a borrow length and press “Borrow”.

3.2 Checking Status of Borrowed Resource



Borrowed Resources

1800, The Adventures of Tim, BOOK

Status

The Adventures of Tim
Borrowed on: 2019-08-09
Return Date: 2019-08-23
Is Item Overdue?: No
Current Extensions: 0

Select a resource from the borrowed resource list and press “Check Status”, the information for that resource would be displayed in the box below.

3.3 Returning a Book

Status

The Adventures of Tim
Borrowed on: 2019-08-09
Return Date: 2019-08-23

Is Item Overdue?: No
Current Extensions: 0

Give your rating on this item

Bad

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

Good

Give Rating

£ 0.00

Return

Check if the resource you want to return is displayed in the box, then press “Return”. If the resource is overdue, then you must enter the exact amount owed in the bottom field then hit “Return”.

3.4 Requesting Extension

Status

The Adventures of Tim
Borrowed on: 2019-08-09
Return Date: 2019-08-23

Is Item Overdue?: No
Current Extensions: 0

Give your rating on this item

Bad

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

Good

£

Ask for Extension

☒ 3 Days ☐ 7 Days ☐ 14 Days

Check if the resource you want an extension on is displayed in the box, then choose an extension length and press “Request Extension”.

3.5 Rating a Resource



Status

The Adventures of Tim
Borrowed on: 2019-08-09
Return Date: 2019-08-23

Is Item Overdue?: No
Current Extensions: 0

Give your rating on this item

Bad Good

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

Give Rating

Check if the resource you want to give a rating to is displayed in the box, then choose a rating (1 to 5) and press “Give Rating”.

3.6 Requesting a New Resource



Request New Resource

Request

Type in the box information about the resource you would like to be added to the library and press “Request”, this will be sent to the admin.

3.7 Checking Messages

The screenshot shows a web application interface for a library system. At the top, a 'News' section displays a message from 2019-08-09 with the title 'No Title' and the text 'No Text'. A 'Logout' button is in the top right. The main area is divided into three columns. The left column, 'Resource List', contains a scrollable list of 16 items, each with a number, title, and format (e.g., '1800, The Adventures of Tim, BOOK'). Below this list are 'Check Availability' and 'Check Status' buttons. The middle column, 'Borrowed Resources', shows a single item: '1800, The Adventures of Tim, BOOK'. Below it is a 'Check Status' button. The right column, 'Messages', displays a message titled 'Extension Approved' with the text 'Your request for an extension of 3 days for "The Adventures of Tim" has been approved.' and a timestamp '2019-08-09T23:35:51.097'. Below the messages is a 'Request New Resource' section with a text input field and a 'Request' button. At the bottom, there are sections for 'Borrow Length' (with radio buttons for '2 Weeks' and '6 Months' and a 'Borrow' button), 'Give your rating on this item' (with a scale from 1 to 5 and a 'Give Rating' button), and 'Ask for Extension' (with radio buttons for '3 Days', '7 Days', and '14 Days' and a 'Request Extension' button). A 'Return' button is also present next to a price field showing '£ 0.00'.

Welcome John Smith

News: No Title (2019-08-09)

No Text

Logout

Resource List

- 1800, The Adventures of Tim, BOOK
- 2800, The Misadventures of Tim, BOOK
- 3800, The Tim of the World, BOOK
- 1000, Coding with Tim, BOOK
- 4800, The Da Vintim Code, BOOK
- 1500, The Tiny World Around Us, BOOK
- 2500, This Factory Within Us, BOOK
- 1200, Religions Around the World with Tim, BOOK
- 1300, The 2008 Bubble by Tim, BOOK
- 1400, Easy Japanese with Tim, BOOK
- 1200, Tim's Vision of the World, BOOK
- 5800, The Da Vintim Code, DVD
- 6800, Dom & Gerry: The Great Adventure, DVD
- 1600, Tim's Bin Ideas, DVD

Check Availability

Borrowed Resources

- 1800, The Adventures of Tim, BOOK

Check Status

Messages

Extension Approved
Your request for an extension of 3 days for "The Adventures of Tim" has been approved.
2019-08-09T23:35:51.097

Availability

Status

Borrow Length
☒ 2 Weeks ☐ 6 Months

Give your rating on this item
Bad ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 Good

Request New Resource

£ 0.00

Ask for Extension
☒ 3 Days ☐ 7 Days ☐ 14 Days

Your messages are displayed on the right. Here you can see if your extension request has been granted or not, see reminders and messages from the administrator.

4 Admin Window

4.1 Opening a Message

The screenshot shows a web application window titled "Welcome Admin (Alan Jones)" with a "Logout" button in the top right. Below the header is a navigation bar with five tabs: "Messages", "Send Reminders/Check Client", "Newsletter", "Add/Check Resource", and "Create User". The "Messages" tab is active, displaying a list of messages on the left and a detailed view of the selected message on the right.

Message List:

- C0:1800, Extension Request, 2019-08-09T22:56:08.980
- C0:R19, Resource Request, 2019-08-09T22:56:59.504

Message Details (C0:1800):

Message ID: C0:1800

Sender Name: John Smith

Subject: Extension Request

Message Body: This user has requested an extension of 3 days for "The Adventures of Tim"

Client Information:

All Resources this Client is Borrowing:

- 1800, "The Adventures of Tim"

Borrow Date: 2019-08-09
Return Date: 2019-08-23

Is Item Overdue?: No
Current Extensions: 0

Buttons: Accept, Decline, Delete Message

Open Message: (button at the bottom left of the message list)

In the Message Tab, Select a message from the list on the left and press "Open Message"

4.2 Accepting/Declining an Extension

Message ID: C0:1800	Client Information
Sender Name: John Smith	All Resources this Client is Borrowing
Subject: Extension Request	1800, "The Adventures of Tim"
This user has requested an extension of 3 days for "The Adventures of Tim"	Borrow Date: 2019-08-09 Return Date: 2019-08-23
	Is Item Overdue?: No Current Extensions: 0 ****
<div>Accept</div> <div>Decline</div> <div>Delete Message</div>	

After coming to a conclusion about how to deal with the request, press either “Accept” to grant the extension or “Decline” to refuse the extension. After you press one of these buttons, the request will automatically be deleted.

4.3 Dealing with a Resource Request

Message ID: C0:R19	Client Information
Sender Name: John Smith	All Resources this Client is Borrowing
Subject: Resource Request	1800, "The Adventures of Tim"
Can you added "Tim's Greatest Travels" please, thank you.	Borrow Date: 2019-08-09 Return Date: 2019-08-23
	Is Item Overdue?: No Current Extensions: 0

	<input type="button" value="Accept"/> <input type="button" value="Decline"/>
	<input type="button" value="Delete Message"/>

After reading the message, you can either leave it or delete it by pressing the “Delete Message” button.

4.4 Viewing Information About a Client

Welcome Admin (Alan Jones) Logout

Messages | **Send Reminders/Check Client** | **Newsletter** | **Add/Check Resource** | **Create User**

C0, John, Smith
C1, Tom N., Jerry
C2, Simon, Sayes
C3, Bopis, Jonson
C4, John, Johnsons

ID: C0
Name: John Smith
1800, "The Adventures of Tim"
Borrow Date: 2019-08-09
Return Date: 2019-08-23
Is Item Overdue?: No
Current Extensions: 0

Resources borrowed
1800, The Adventures of Tim, BOOK

Select Item

Selected Item:

Send Reminder for Overdue Books
☐ Once
☐ Every three days
☐ Every 7 days

Send/Set Cancel Reminder

Send Message to Client
Subject:

Send

View Client

Select a Client from the list on the left and press "View Client". Information about what they are borrowing will be displayed.

4.5 Sending Reminders to Clients

ID: C0

Name: John Smith

1800, "The Adventures of Tim"

Borrow Date: 2019-08-09
Return Date: 2019-08-23

Is Item Overdue?: No
Current Extensions: 0

Resources borrowed

1800, The Adventures of Tim, BOOK

Select Item

Selected Item: 1800, The Adventures of Tim, BOOK

Send Reminder for Overdue Books

☐ Once

☐ Every three days

☐ Every 7 days

Send/Set

Cancel Reminder

Send Message to Client

Subject:

Send

After deciding which resource you would like to send a reminder for, select it from the list on the right and press "Select Item" to select it. Then choose to either to send a one off reminder "Once" or have it automatically remind the client every three days by selecting "Every three days" or every seven day by selecting "Every 7 days". After you have chosen this, you can press "Send/Set" to send it.

4.5 Canceling a Reminder

Send Reminder for Overdue Books

☐ Once

☐ Every three days

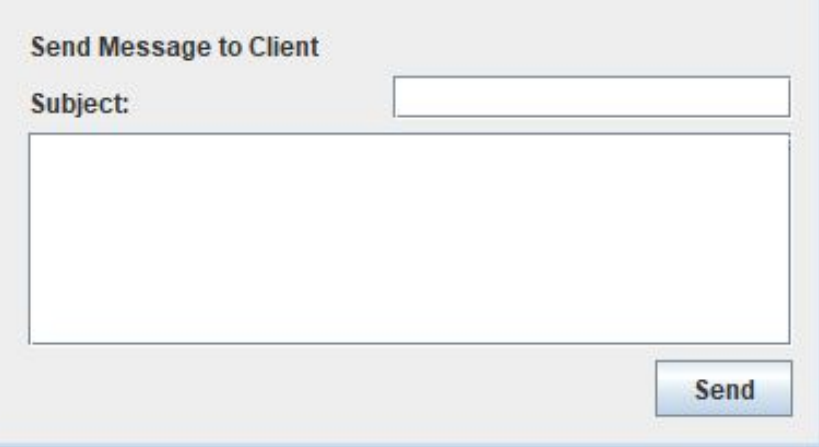
☐ Every 7 days

Send/Set

Cancel Reminder

To cancel, check you have the right resource selected then press "Cancel Reminder", this will stop any future reminders.

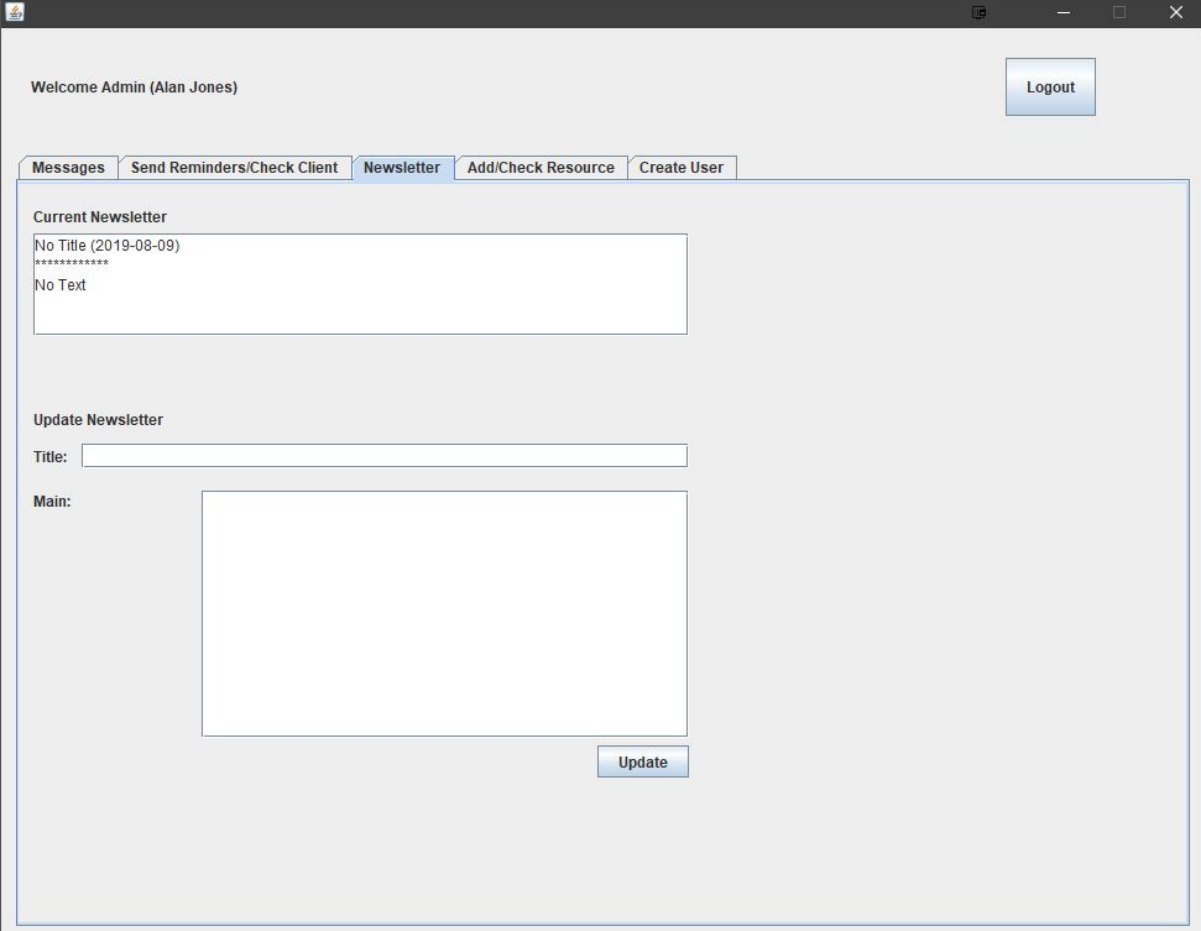
4.6 Sending a Message to Client



The screenshot shows a web form titled "Send Message to Client". It has a "Subject:" label followed by a text input field. Below the subject field is a larger text area for the message. At the bottom right of the form is a "Send" button.

Check you have the right client selected, then write you subject in "Subject" and your message underneath that and press "Send"

4.7 Updating the Newsletter



The screenshot shows an admin interface with a top bar containing "Welcome Admin (Alan Jones)" and a "Logout" button. Below the top bar is a navigation menu with tabs: "Messages", "Send Reminders/Check Client", "Newsletter" (which is selected), "Add/Check Resource", and "Create User". The main content area is titled "Current Newsletter" and displays "No Title (2019-08-09)" followed by a separator line and "No Text". Below this is the "Update Newsletter" section, which includes a "Title:" label with a text input field, a "Main:" label with a larger text area, and an "Update" button at the bottom right.

You can check the previous newsletter on the page as well. To update it, add a title then type the content underneath it. Once ready, press "Update". This will be sent to all clients.

4.8 Checking a Resource

Welcome Admin (Alan Jones) [Logout](#)

[Messages](#) [Send Reminders/Check Client](#) [Newsletter](#) [Add/Check Resource](#) [Create User](#)

Here you can view and add resources to the library

1800, The Adventures of Tim, BOOK

2800, The Misadventures of Tim, BOOK

3800, The Tim of the World, BOOK

1000, Coding with Tim, BOOK

4800, The Da Vintim Code, BOOK

1500, The Tiny World Around Us, BOOK

2500, This Factory Within Us, BOOK

1200, Religions Around the World with Tim, BOOK

1300, The 2008 Bubble by Tim, BOOK

1400, Easy Japanese with Tim, BOOK

1200, Tim's Vision of the World, BOOK

5800, The Da Vintim Code, DVD

6800, Dom & Gerry: The Great Adventure, DVD

1600, Tim's Big Ideas, DVD

1900, The Daily Telegraph (04-02-2012), NEWSPAPER

2900, The Daily Telegraph (011-02-2012), NEWSPAPER

3900, The Daily Telegraph (18-02-2012), NEWSPAPER

1700, Cooking With Tim: Issue 24 (23-03-2019), MAGAZINE

2700, Cars of the World: Issue 5 (09-04-2018), MAGAZINE

3700, Drawing With Tim: Issue 14 (17-09-2019), MAGAZINE

[View Resource](#)

Resource ID

1800

Resource Name

The Adventures of Tim

Resource Type

BOOK

Borrow Information

Not in Stock

Who is borrowing this resource: C0

Borrow Date: 2019-08-09
Return Date: 2019-08-23

Is Item Overdue?: No
Current Extensions: 0

User Rating: 0 (No Ratings Yet)

Add New Resource

Set Resource ID

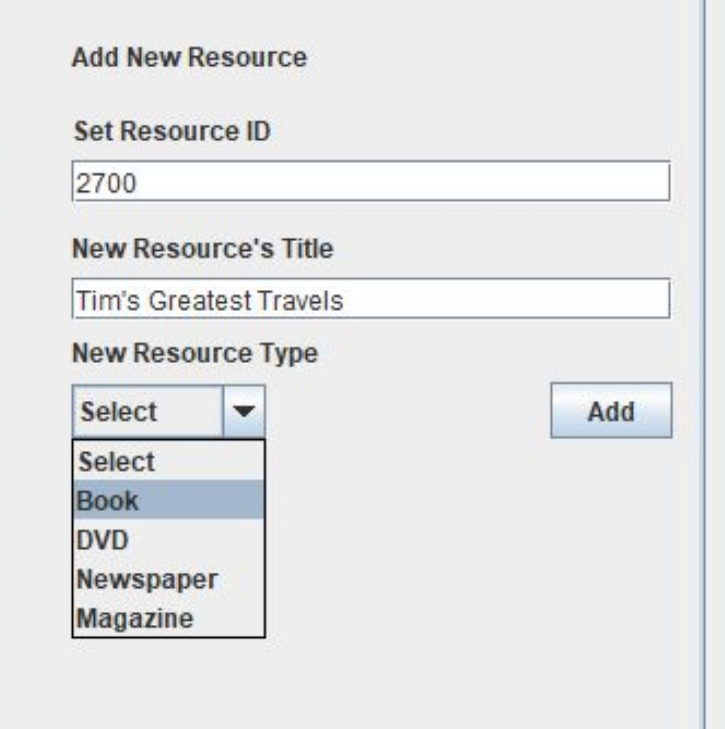
New Resource's Title

New Resource Type

Select

In the Add/Check tab, selected a resource from the list on the left and press "View Resource". Information of the resource will be displayed.

4.9 Adding a New Resource



Add New Resource

Set Resource ID

2700

New Resource's Title

Tim's Greatest Travels

New Resource Type

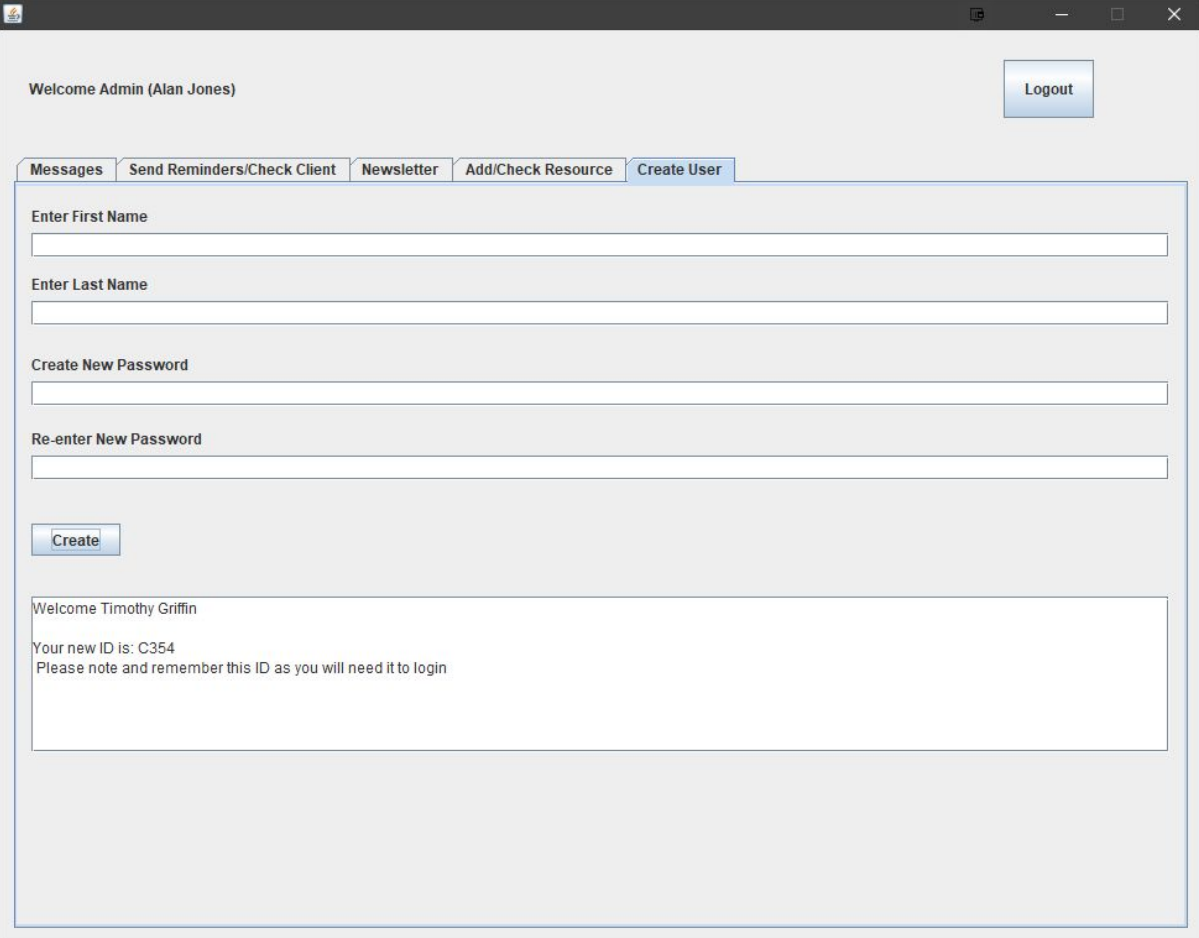
Select ▼

- Select
- Book
- DVD
- Newspaper
- Magazine

Add

To add a resource, type in a new ID for the resource at its title. Select the type of resource it is then press “Add”. It will be added to the library.

4.10 Creating a New User



The screenshot shows a web application window with a dark title bar. The main content area has a light gray background. At the top left, it says "Welcome Admin (Alan Jones)". At the top right, there is a "Logout" button. Below this, there is a horizontal tab bar with five tabs: "Messages", "Send Reminders/Check Client", "Newsletter", "Add/Check Resource", and "Create User". The "Create User" tab is selected and highlighted in blue. Below the tabs, there are four text input fields: "Enter First Name", "Enter Last Name", "Create New Password", and "Re-enter New Password". Below these fields is a "Create" button. At the bottom of the form, there is a white rectangular box containing the following text: "Welcome Timothy Griffin", "Your new ID is: C354", and "Please note and remember this ID as you will need it to login".

Under the "Create User" tab, Enter the details of the new user (have the new user type in their new password) and press "Create". Underneath it will confirm that a new user has been created and display the new ID for them. **IMPORTANT:** Please remember to tell the new user to remember this ID as they will need it to login.