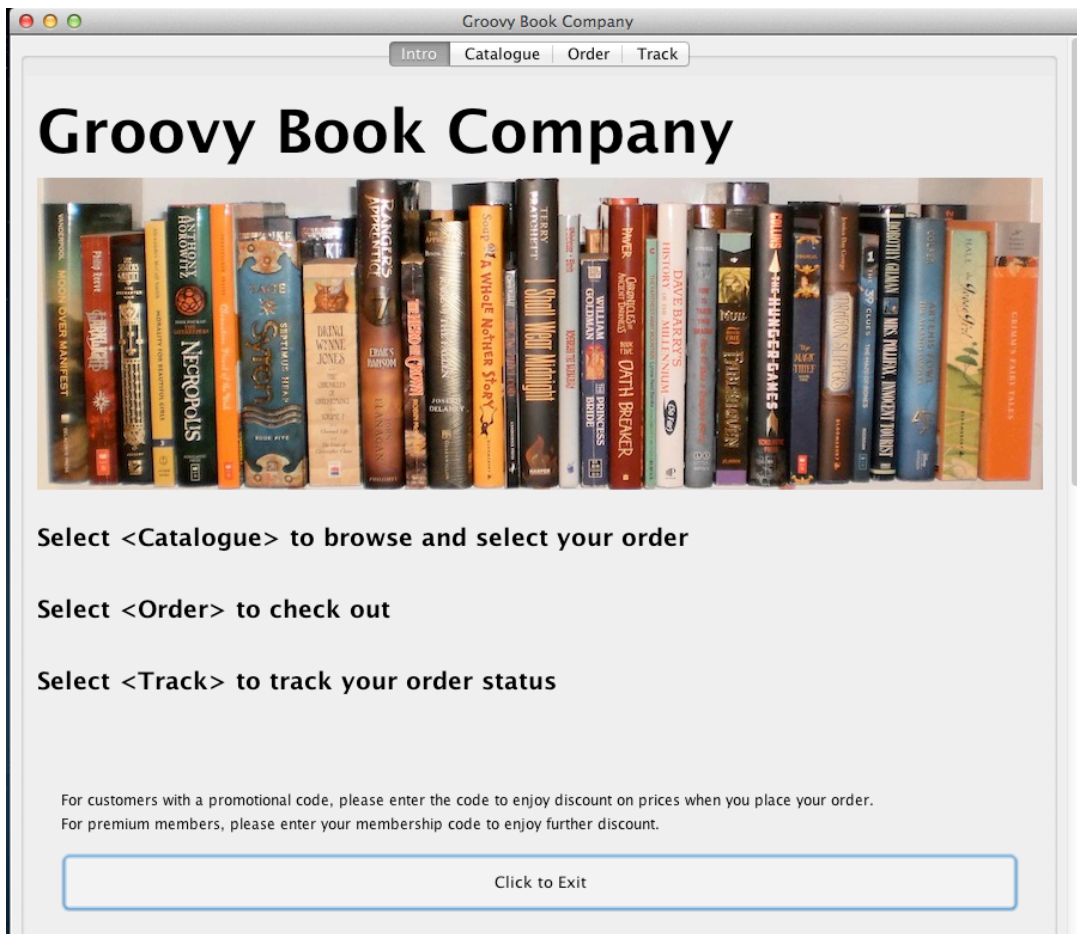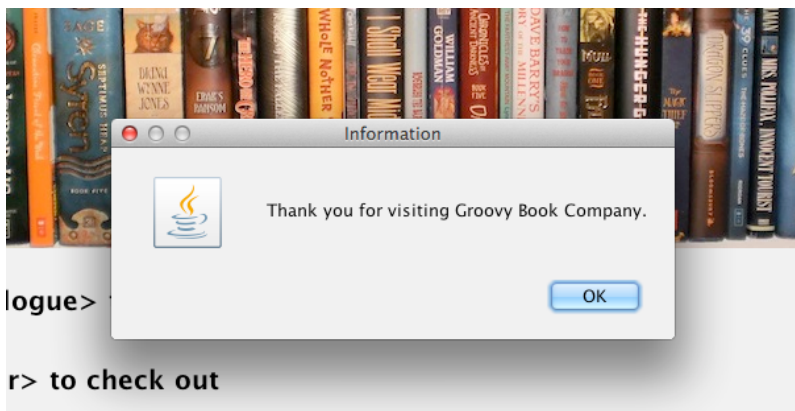**CSCI213 - Assignment 2**
Author – Garcia Anthony John Abril
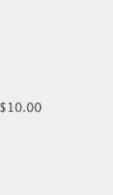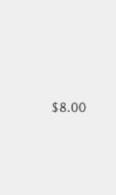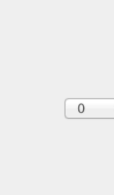**Registration no – 4321819**

This is the intro panel. Different font sizes are used for the labels and there is also an exit button at the bottom.

Pop out message dialogue shown upon clicking exit button.

Intro | Catalogue | Order | Track

Books	Hardcopy	Quantity	EBook	Quantity
Scottish Fiction				
	$10.00	2	$8.00	0
Scottish Fiction				
	$11.00	0	$9.00	1
Contemporary Arts				
	$10.00	0	$10.00	1
Wise Cracks				
	$12.00	1	$8.00	0
Fiction				
	$10.00	0	$9.00	0

Total No. Of Books:	5
Total Price:	$51.00
Membership number:	LS534352
Promotional code:	M00123931

To Continue, go to <ORDER> Tab.

Here is the Catalogue panel. Image icons are used for the book images, combo boxes are used for quantity and mouse motion listener is used to update total number of books and price. For premium members, they can use their membership number to get discounts and promo code for everyone also.

The quantities and prices are stored in textfields and are not editable.

Groovy Book Company

Intro | Catalogue | Order | Track

Step 1 – Confirm your Order.
Your Order
==
Scottish Fiction: 2 Hardcopy Book(s)
Scottish Fiction: 1 EBook(s) license
Contemporary Arts: 1 EBook(s) license
Wise Cracks: 1 Hardcopy Book(s)
==
No of Books Ordered: 5   Total Cost: $51.00
Delivery Method: By post for hardcopy books only
By Post Delivery Charge ($3/Hard copy Book): $9.00
Final cost (3.0% discount for premium membership) (25.0% discount for promo code) : $45.72
==

Step 2a – Existing Customer
Please Login.

Username: | ben |

Password: | •••• |

                                  [Login] [Amend Details]

Step 2b – New Customer
Please Register. (For new customers)

Name: | |

Username: | |

Password: | |

Re-Enter Password: | |

Address: | |

Contact Number: | |

Email: | |

                                  [Register]

Step 3 – Delivery Option
Select your preferred delivery option.

☐ Self-Collect   ☑ By Post   Delivery Date: DD/MM/YYYY   Delivery Time: [▲▼]

[Confirm]

Overview of the order panel. Login and Register buttons disabled after login or successful registration. Confirm button is disabled until user logs in or registers. Delivery options are grouped checkbox allowing only one to be ticked.

```
Step 1 – Confirm your Order.
Your Order
=====================================================================
Scottish Fiction: 2 Hardcopy Book(s)
Scottish Fiction: 1 EBook(s) license
Contemporary Arts: 1 EBook(s) license
Wise Cracks: 1 Hardcopy Book(s)
=====================================================================
No of Books Ordered: 5
Total Cost: $51.00
Final cost (3.0% discount for premium membership) (25.0% discount for promo code) : $36.72
=====================================================================
```

This is the textarea in order panel. It is updated to show quantity, total cost and final cost (after discounts). It is auto updated by using mouse movement listener.

```
Step 2a – Existing Customer
Please Login.

Username:

Password:

                    ● ○ ○              Information
                    ┌──────────────────────────────────────────┐
                                                                    Amend Details
                          [Java]    You are now logged in. Continue to step 3
Step 2b – New Customer
Please Register. (For new customers)
                                              OK

Name:

Username:

Password:

Re-Enter Password:
```
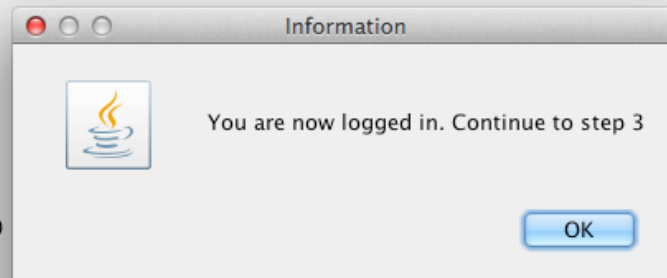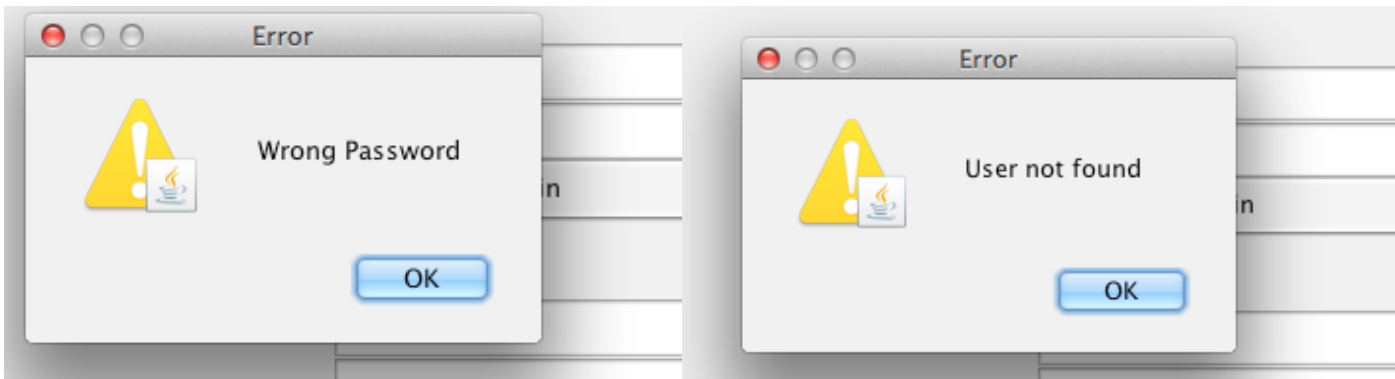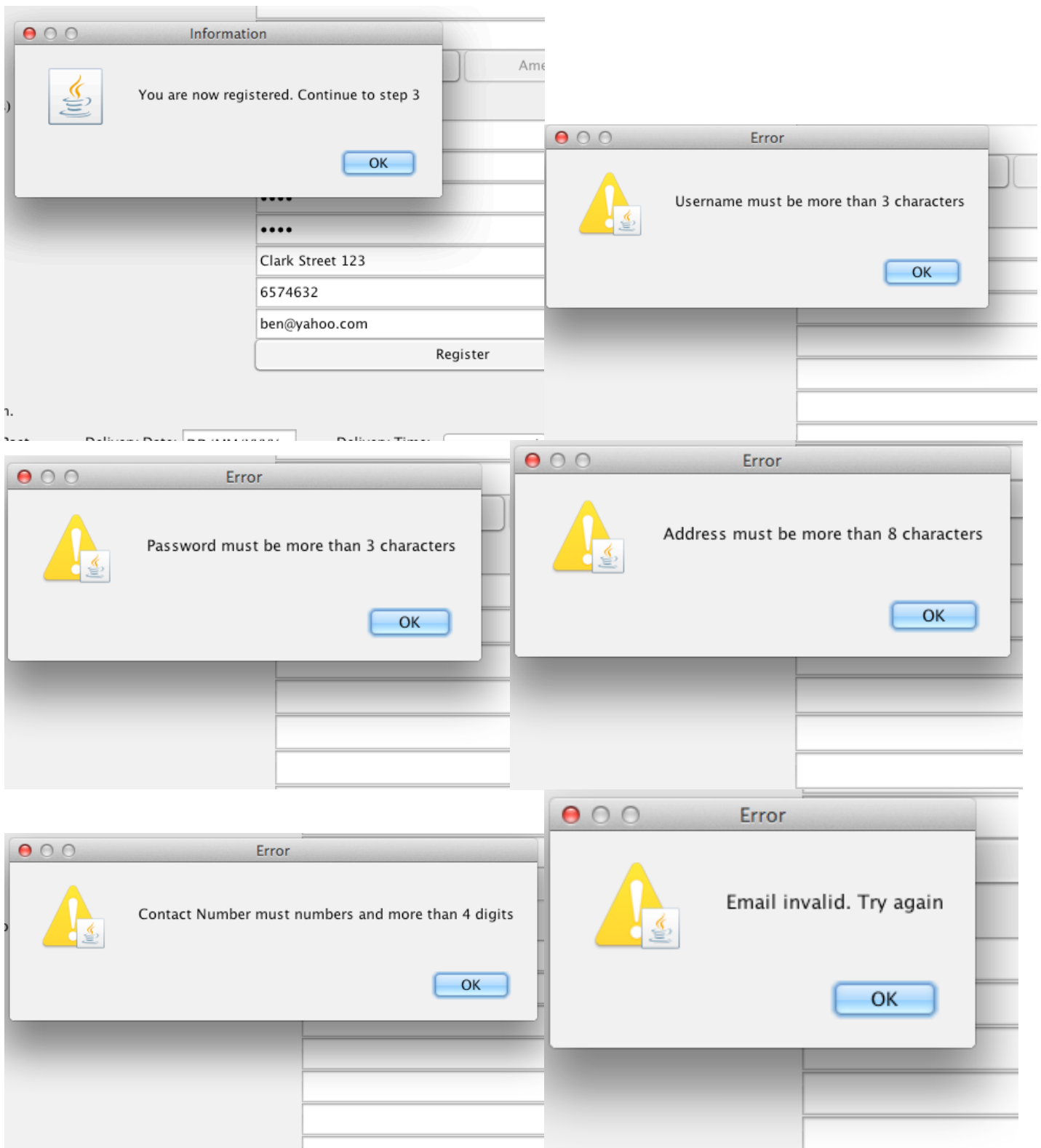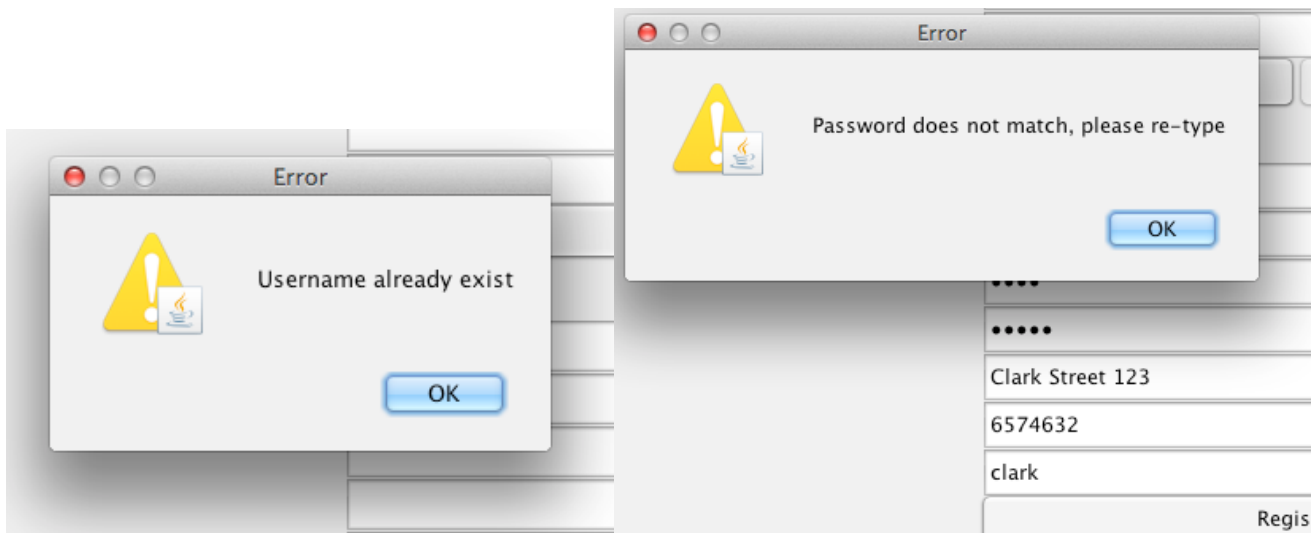
This is after successful login in to the system for existing users. A button listener is used to check user input with customerInfo.txt.

```
● ○ ○        Error                      ● ○ ○        Error

  ⚠  [Java]   Wrong Password              ⚠  [Java]    User not found

           OK                                        OK
```
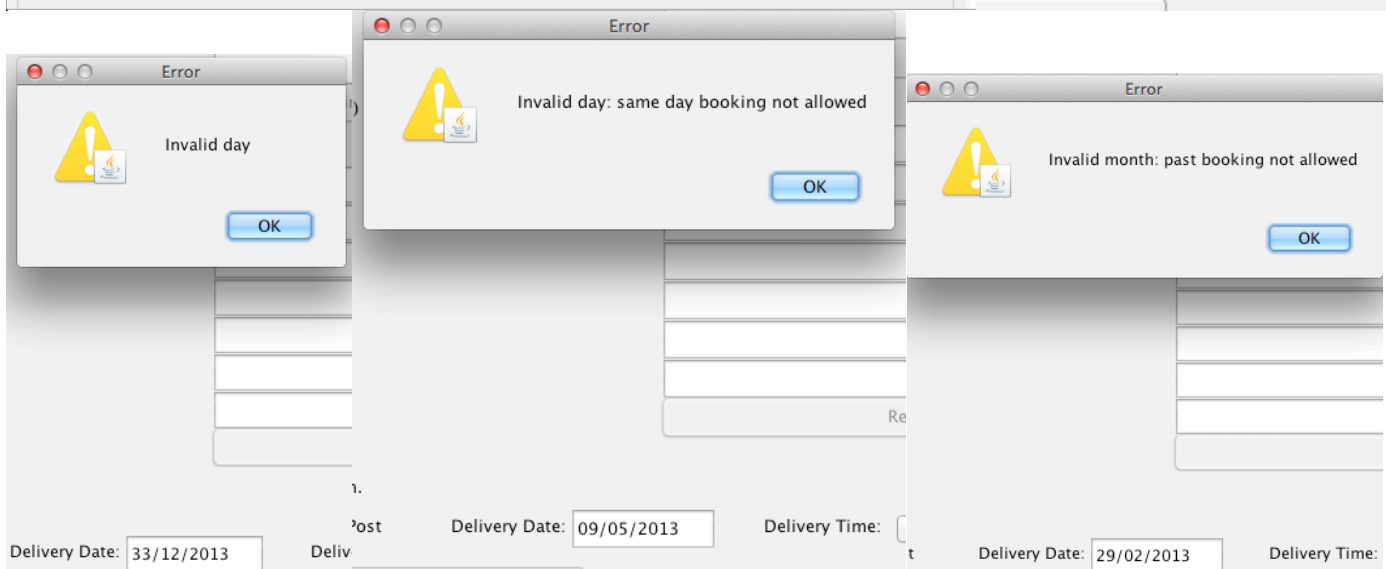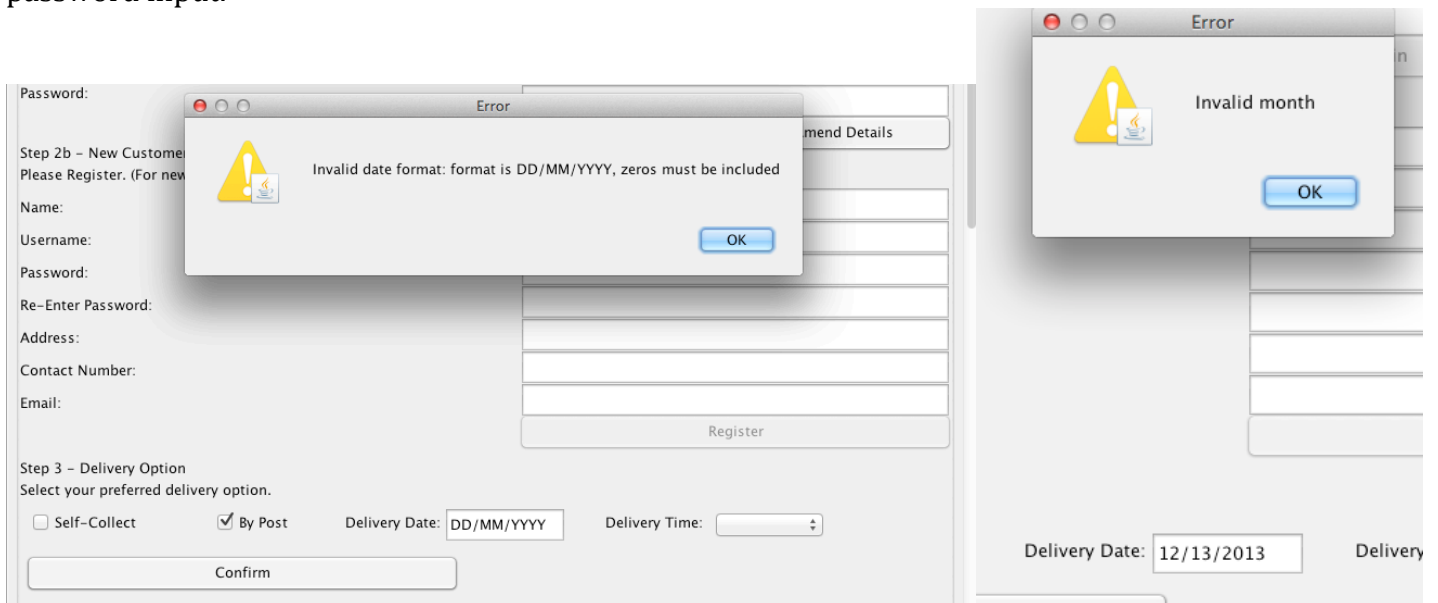
Some of the error checking for wrong password and invalid user.

Information

You are now registered. Continue to step 3

OK

Clark Street 123

6574632

ben@yahoo.com

Register

Error

Username must be more than 3 characters

OK

Error

Password must be more than 3 characters

OK

Error

Address must be more than 8 characters

OK

Error

Contact Number must numbers and more than 4 digits

OK

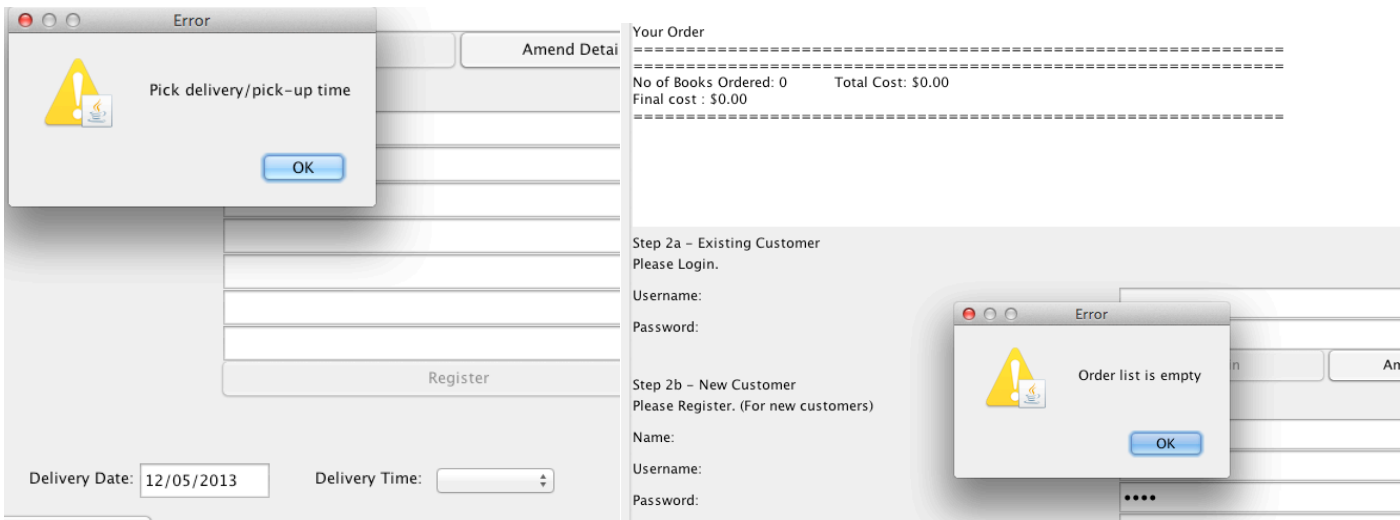**Error**

Email invalid. Try again

OK

This are the registration fields for new customers. First picture shows successful registration. The rest are validation checks for data input. Text field is cleared for specific input error. For example, invalid email will clear email text field. Button listener is also used for registration. After successful pass through the validation checks, new customer details are appended to customerInfo.txt.

Error

Password does not match, please re-type

OK

Error

Username already exist

OK

Clark Street 123

6574632

clark

Regis

Existing username check is also conducted. There is also a password mismatch check to prevent wrong password input.

Password:

Step 2b – New Customer
Please Register. (For new

Name:

Username:

Password:

Re-Enter Password:

Address:

Contact Number:

Email:

Step 3 – Delivery Option
Select your preferred delivery option.

☐ Self-Collect   ☑ By Post   Delivery Date: DD/MM/YYYY   Delivery Time: ▲▼

Confirm

Error

Invalid date format: format is DD/MM/YYYY, zeros must be included

OK

mend Details

Register

Error

Invalid month

OK

Delivery Date: 12/13/2013   Delivery

Error

Invalid day

OK

Error

Invalid day: same day booking not allowed

OK

Re

Error

Invalid month: past booking not allowed

OK

Delivery Date: 33/12/2013   Deliv

Post   Delivery Date: 09/05/2013   Delivery Time:

Delivery Date: 29/02/2013   Delivery Time:

After registration/log in, confirm button is pressed without proper date input. Here are some validation checks for date input.

If delivery/pick-up time is not selected or order list is empty. These errors dialogues are shown.

After confirmation of order, an order number is generated at a text area (date and time is used) for tracking order. Order is then appended into orderData.txt.

Checking of order with valid order id at the track panel. Order information is displayed at a text area below the order id text field. Right picture shows the error dialogue box when order id is not found in orderData.txt.

Customerinfo.txt ⊠   ⊞ Package Explorer   🖳 Console   Ⓙ Producer.java   Ⓙ Bo

```
1 Adrian Drake;adrian;a123;77 Lamond Street;75414444;adriandrake@yahoo.com
2 Ben Black;ben;b345;123 Edward Street;39889276;benbrown@hotmail.com
3 Clarence Clarkson;clarence;c678;215 Kings Lane;67893344;clarence@msn.com
4 Clark Kent;clark;ck123;123 Metropolis State;65473432;clarkkent@msn.gov.com
5 Lorp Dorp;ldorp;dorp123;Dorp Street;4567543;lorp@lorp.com
6 He Ke Cheng;hkcheng;cheng123;123 Lakeside View;97261823;kecheng@china.com
7 Lost World;lworld;lost1234;Lost World Street 1234;756473627;lost@world.com
8 Ben Clark;benc;b345;Clark Street 123;6574632;ben@yahoo.com
9
```

orderData.txt ⊠   📄 Customerinfo.txt   ⊞ Package Explorer   🖳 Console

```
 1 20130502030407;ben;12/12/2013;1.00 pm;BY POST;PENDING
 2 20130502031032;clark;12/12/2013;9.00 am;BY POST;PENDING
 3 20130502031554;ben;12/12/2013;3.00 pm;BY POST & EMAIL;PENDING
 4 20130502100823;ben;12/12/2013;1.00 pm;SELF-COLLECT;PENDING
 5 20130502100959;ben;12/12/2013;3.00 pm;SELF-COLLECT;PENDING
 6 20130502124002;ben;12/12/2013;1.00 pm;BY POST;PENDING
 7 20130502124216;ben;12/12/2013;3.00 pm;SELF-COLLECT;PENDING
 8 20130502124310;ben;12/12/2013;3.00 pm;SELF-COLLECT;PENDING
 9 20130502124357;ben;12/12/2013;3.00 pm;SELF-COLLECT;PENDING
10 20130502125453;ben;12/12/2013;1.00 pm;BY POST;PENDING
11 20130502125534;ben;12/12/2013;3.00 pm;BY POST;PENDING
12 20130502125823;hkcheng;12/12/2013;5.00 pm;BY POST & EMAIL;PENDING
13 20130502130042;hkcheng;12/12/2013;1.00 pm;BY POST & EMAIL;PENDING
14 20130502130638;ben;12/12/2013;3.00 pm;BY POST;PENDING
15 20130508181910;lworld;12/12/2013;5.00 pm;BY POST;PENDING
16 20130508182248;ben;12/12/2013;3.00 pm;BY POST;PENDING
17 20130508182543;lworld;12/12/2013;5.00 pm;SELF-COLLECT;PENDING
18 20130508192908;ben;12/12/2013;1.00 pm;SELF-COLLECT & EMAIL;PENDING
19 20130509021347;ben;12/05/2013;3.00 pm;BY POST;PENDING
20
```

MembershipCode. ⊠   ⊞   **PromoCode.txt** ⊠   ⊞ Package Expl

```
1 AB345678;0.05
2 MN123453;0.03
3 LS534352;0.03
4 YT123343;0.025
```
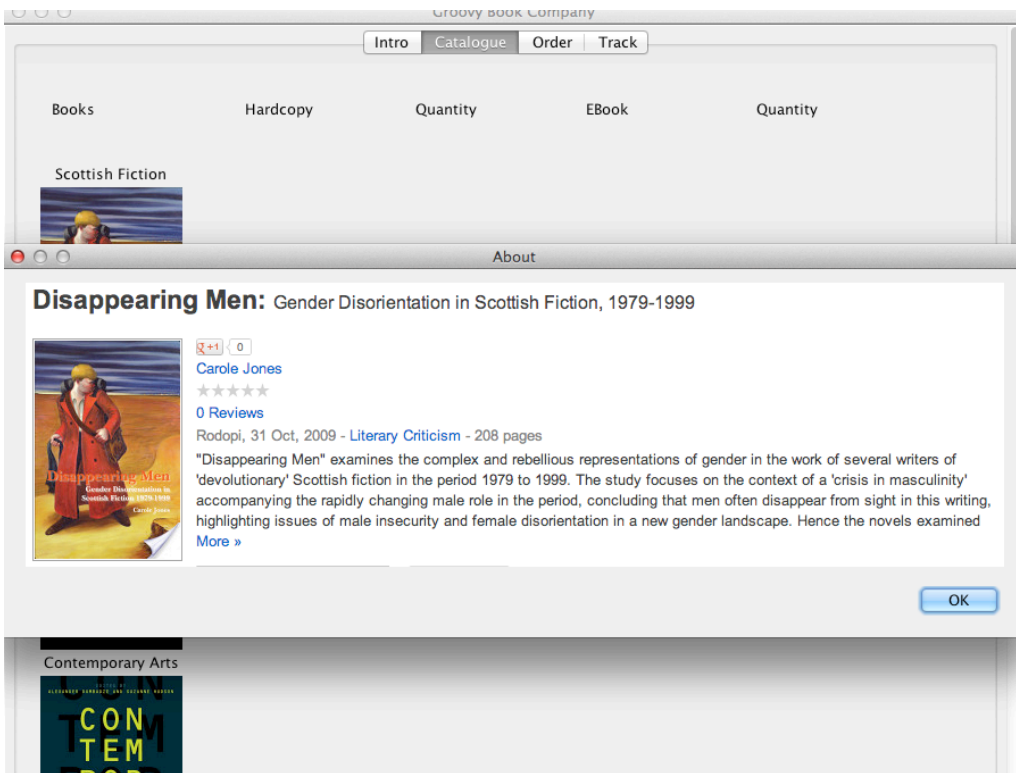
```
1 PI987654W;0.2
2 HW123452M;0.3
3 MO957392L;0.1
4 M00123931;0.25
```

These are the text files for customer info, order info, membership codes and promotion codes.

1st Additional feature: Pop out information about the books. A listener is added to the book icons such that upon clicking any one of them, a dialogue box pops out with information about the book selected.

```
Step 1 – Confirm your Order.
Your Order
===================================
Scottish Fiction: 1 Hardcopy Book(s)
===================================
No of Books Ordered: 1        Total Cost: $10.00
Delivery Method: Self collection for hardcopy books only
Final cost : $10.00
-----------------------------------
```
1)

```
Step 1 – Confirm your Order.
Your Order
===================================
Scottish Fiction: 1 Hardcopy Book(s)
===================================
No of Books Ordered: 1        Total Cost: $10.00
Delivery Method: By post for hardcopy books only
By Post Delivery Charge ($3/Hard copy Book): $3.00
Final cost : $13.00
===================================
```
2)

```
Step 1 – Confirm your Order.
Your Order
=========================================
Scottish Fiction: 1 Hardcopy Book(s) 1 EBook(s) license(s)
=========================================
No of Books Ordered: 2        Total Cost: $18.00
Delivery Method: By post for hardcopy books and email for ebooks
By Post Delivery Charge ($3/Hard copy Book): $3.00
Final cost : $21.00
=========================================
```
3)

```
Step 1 – Confirm your Order.
Your Order
=================================================
Scottish Fiction: 1 Hardcopy Book(s) 1 EBook(s) license(s)
=================================================
No of Books Ordered: 2        Total Cost: $18.00
Delivery Method: Self collection for hardcopy books and email for ebooks
Final cost : $18.00
=================================================
```
4)

```
Step 1 – Confirm your Order.
Your Order
===================================
Scottish Fiction: 1 EBook(s) license(s)
===================================
No of Books Ordered: 1        Total Cost: $8.00
Delivery Method: Email for ebooks only (No hardcopy books selected)
Final cost : $8.00
===================================
```
5)

2nd Additional Feature: 5 types of delivery method.
1) Self collect for only hardcopy books ordered
2) By post for only hardcopy books ordered
3) Self collect for hardcopy books ordered and link emailed for ebooks
4) By post for hardcopy books ordered and link emailed for ebooks
5) Emailed links for only ebooks ordered

3rd Additional Feature: Amend details for customers. Amend details is found in order panel. The button is only enabled after customer either logs in or registers. By clicking amend details button, a new frame is created with text fields and labels similar to new registration panel. All details except username can be changed. Same error checking as new registration is done. Update button updates customerInfo.txt with new customer details. Exiting without updating is also allowed.

Update of name shown above, from Ben Clark to Ben Tall, customerInfo.txt is updated.