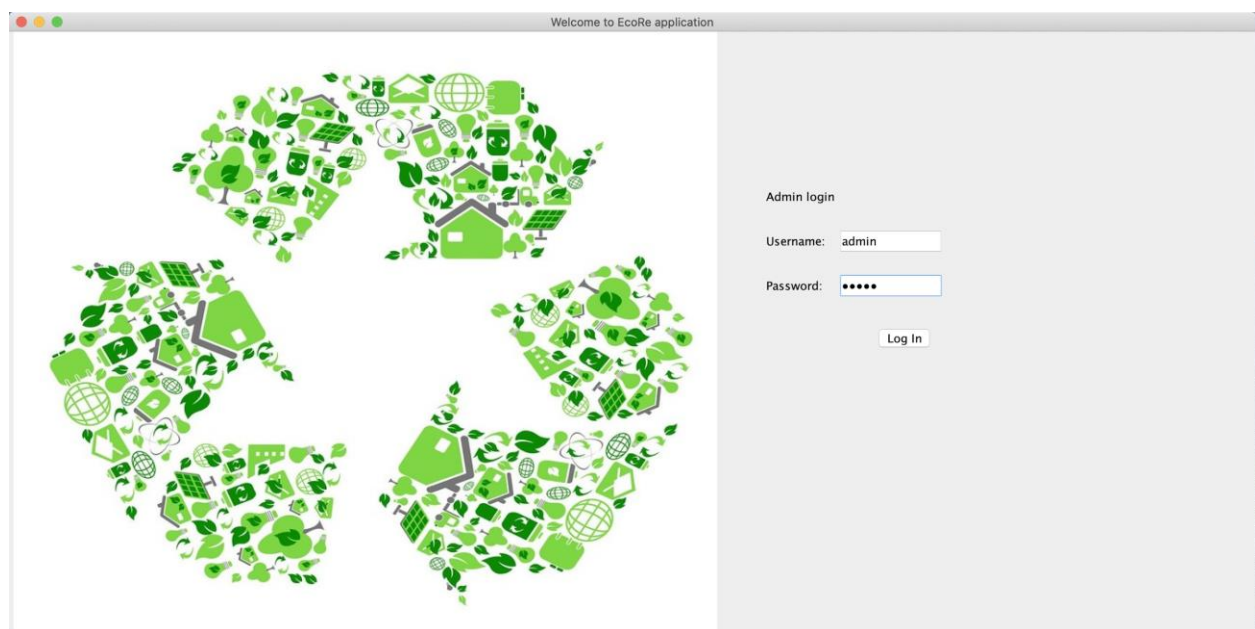**COEN359 Design Patterns**
Submitted by
Krishna Sahithi Manneti
Sneha Chenicherry Mohanan

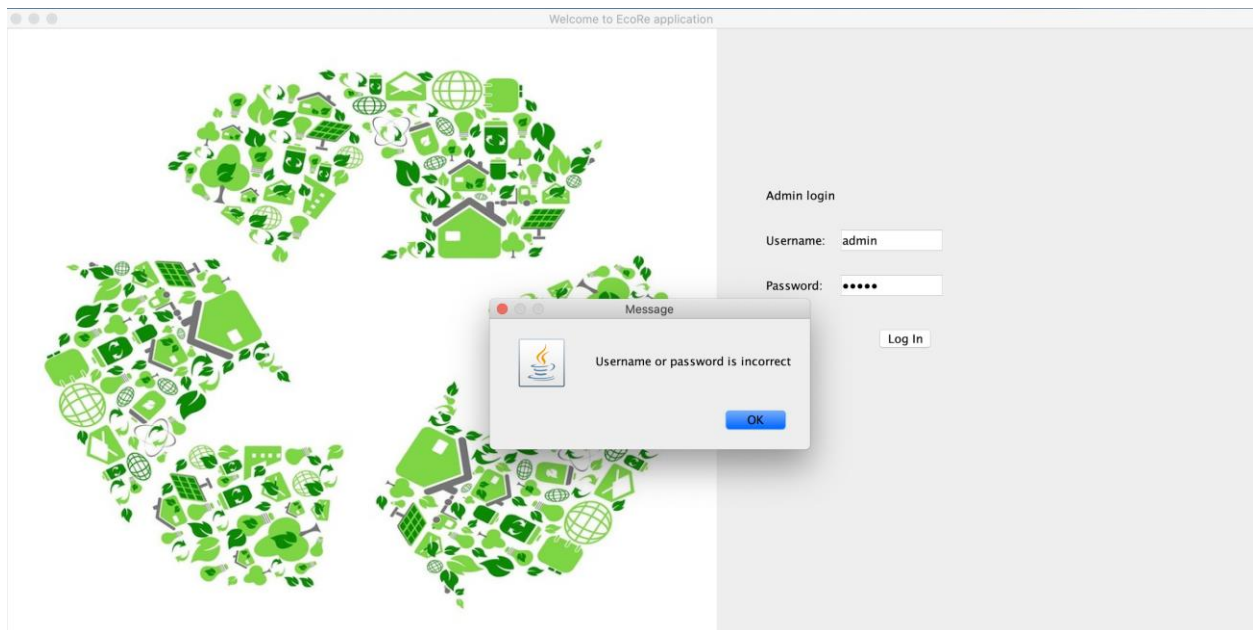**EcoRe**
Screenshots

Recycling Monitoring Stations (RMOS)
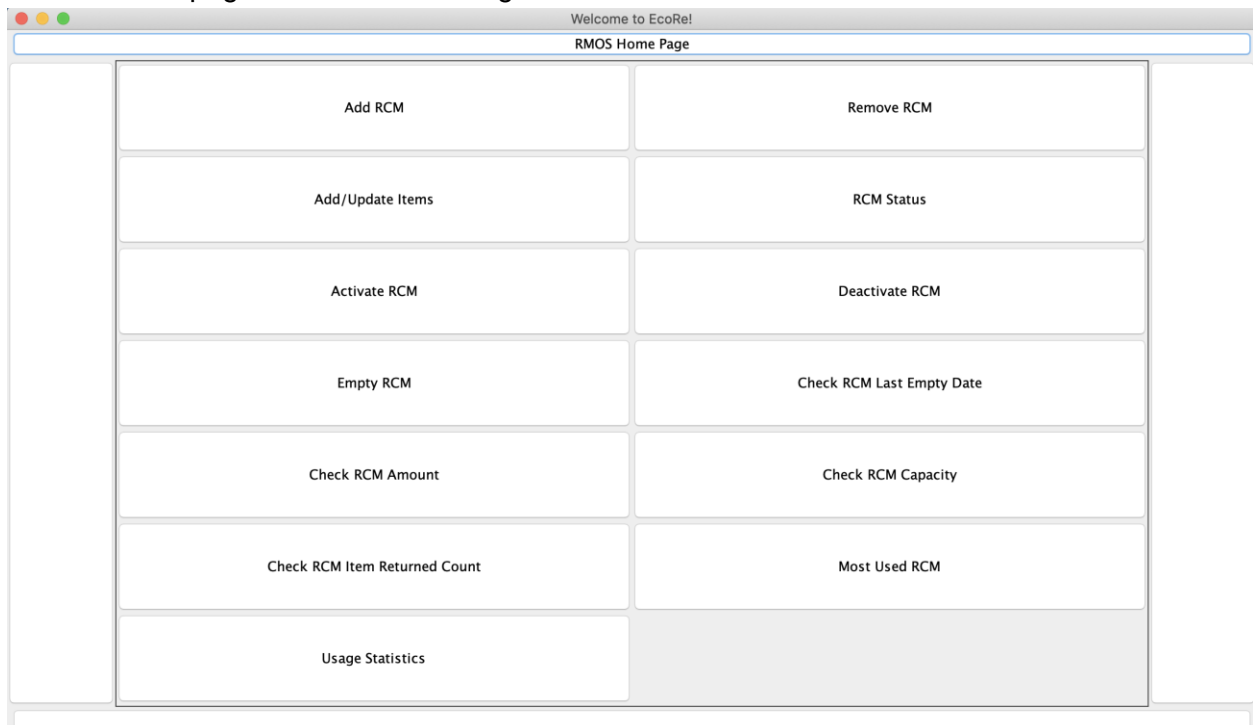
RMOS admin login page

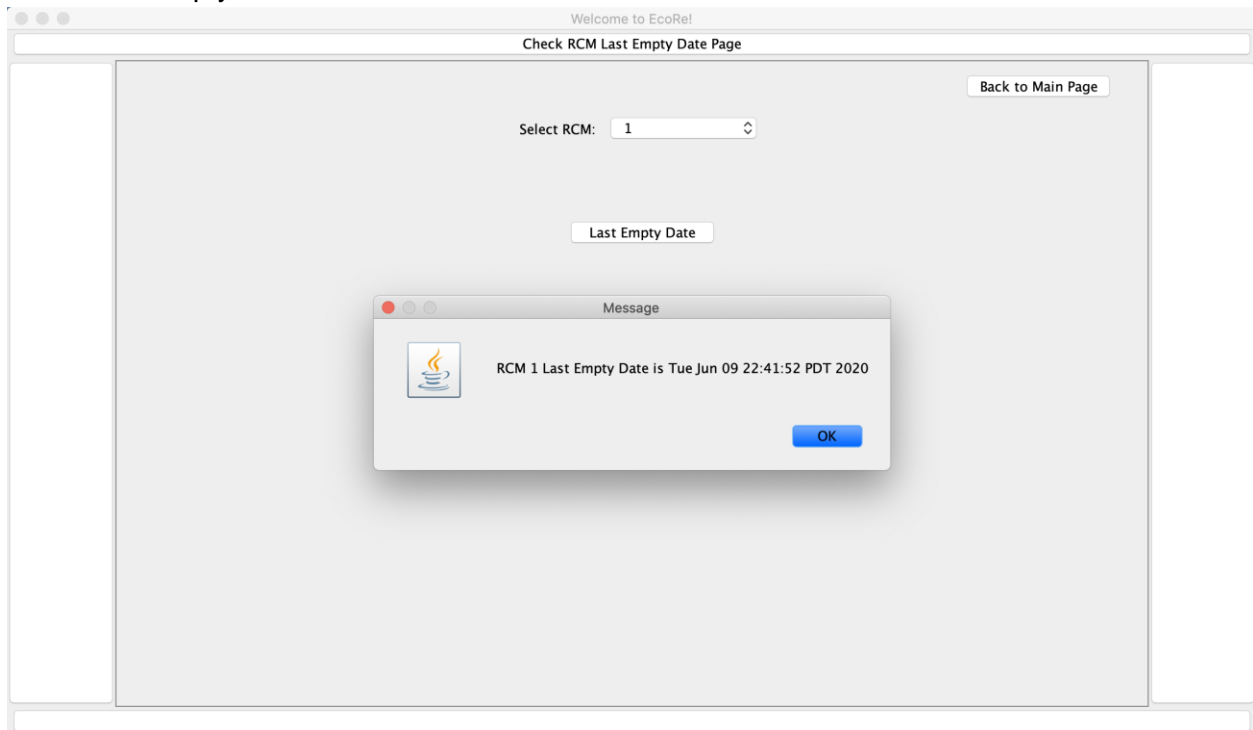## RMOS incorrect credentials

RMOS Home page after successful login

Check last empty date of an RCM

Check RCM Last Empty Date Page

Back to Main Page

Select RCM: 1   ⌄

Last Empty Date

Message

RCM 1 Last Empty Date is Tue Jun 09 22:41:52 PDT 2020

OK

When RCM was never emptied since the time it was added

Check RCM Last Empty Date Page

Back to Main Page

Select RCM: 3   ⌄

Last Empty Date

Message

RCM 3 Last Empty Date is null

OK
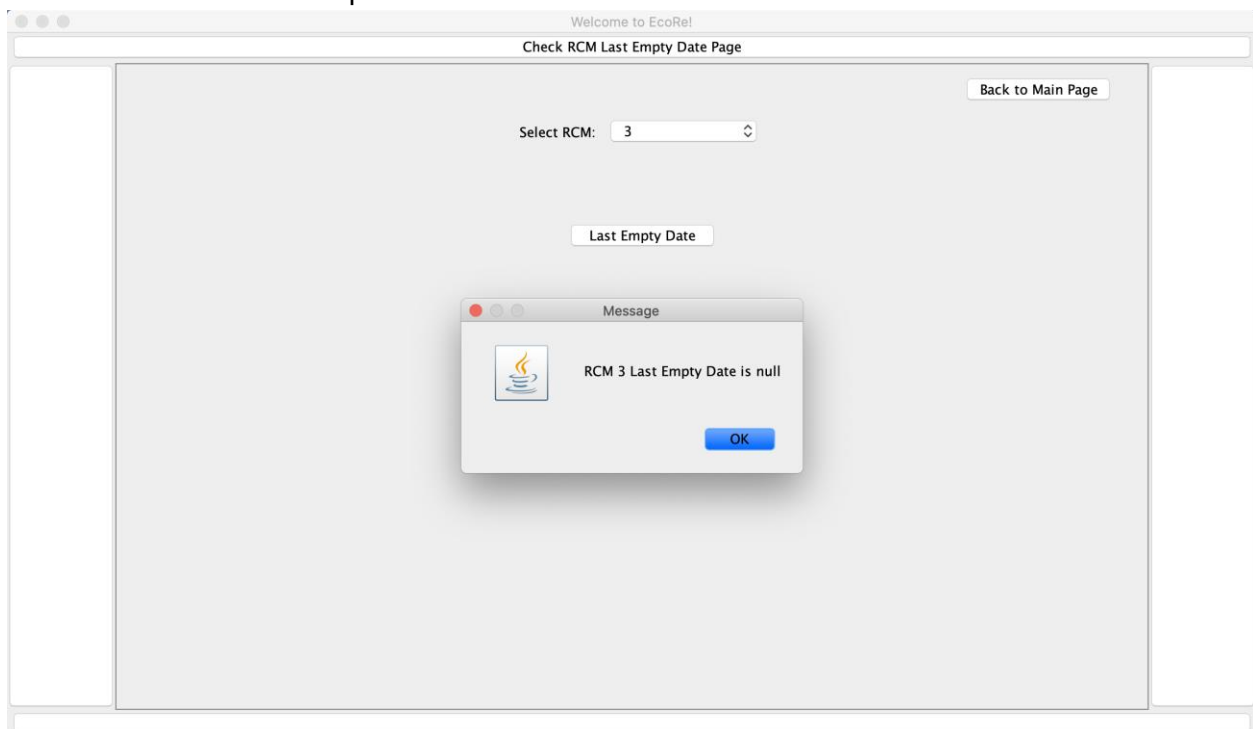
Add a new RCM to the group

Add RCM Page

Back to Main Page

Enter RCM ID: 4

Enter RCM location: Fourth Street

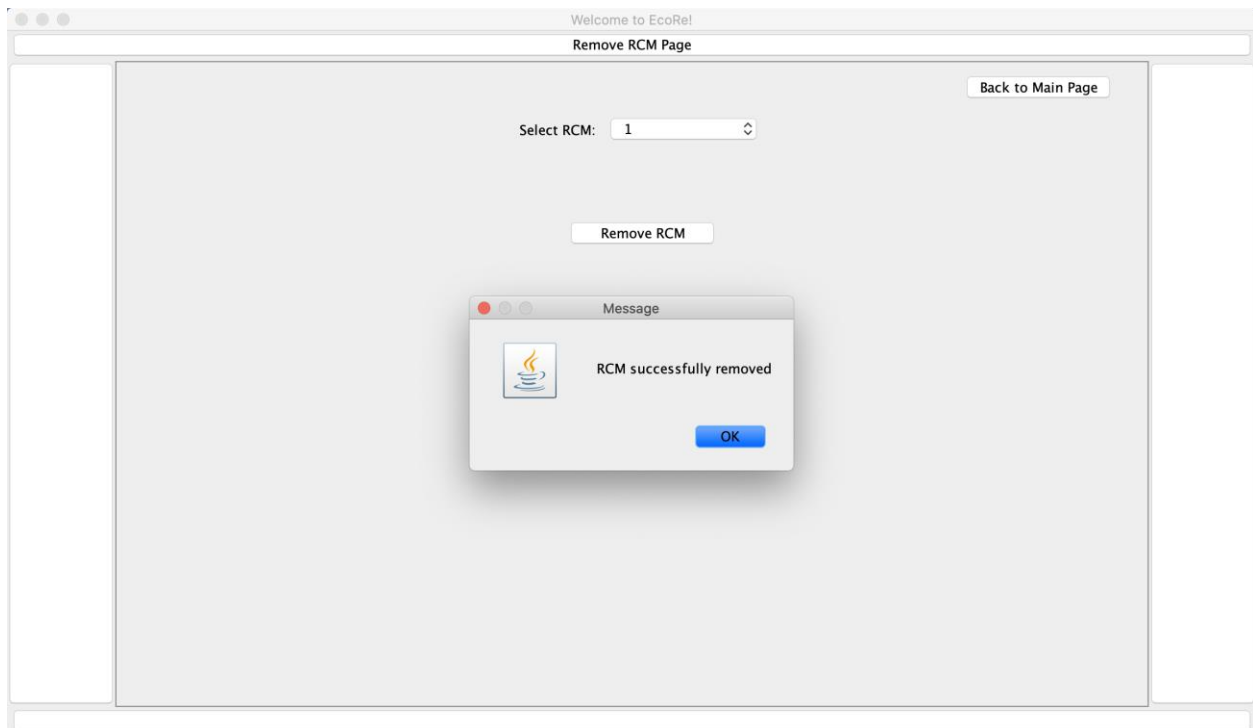Enter RCM maximum weight: 2500

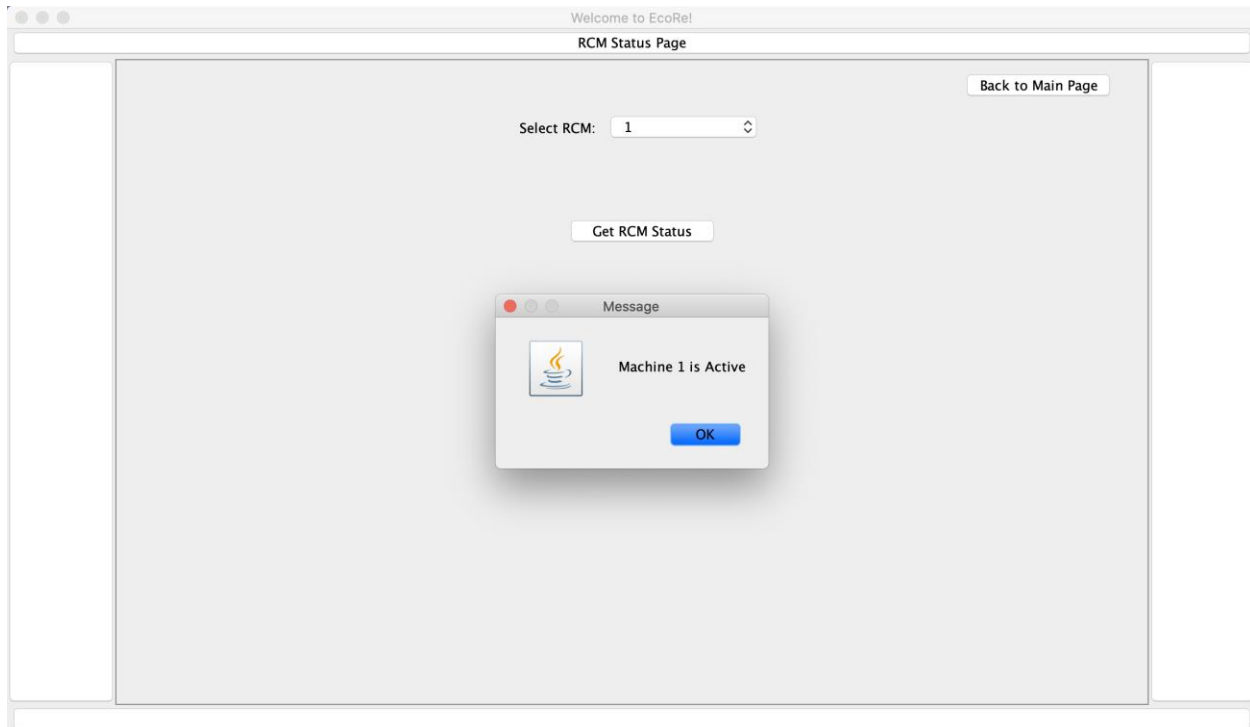Enter amount in RCM: 1500

Add RCM

Add RCM Page

Back to Main Page

Enter RCM ID: 4

Enter RCM location: Fourth Street

Enter RCM m

Enter
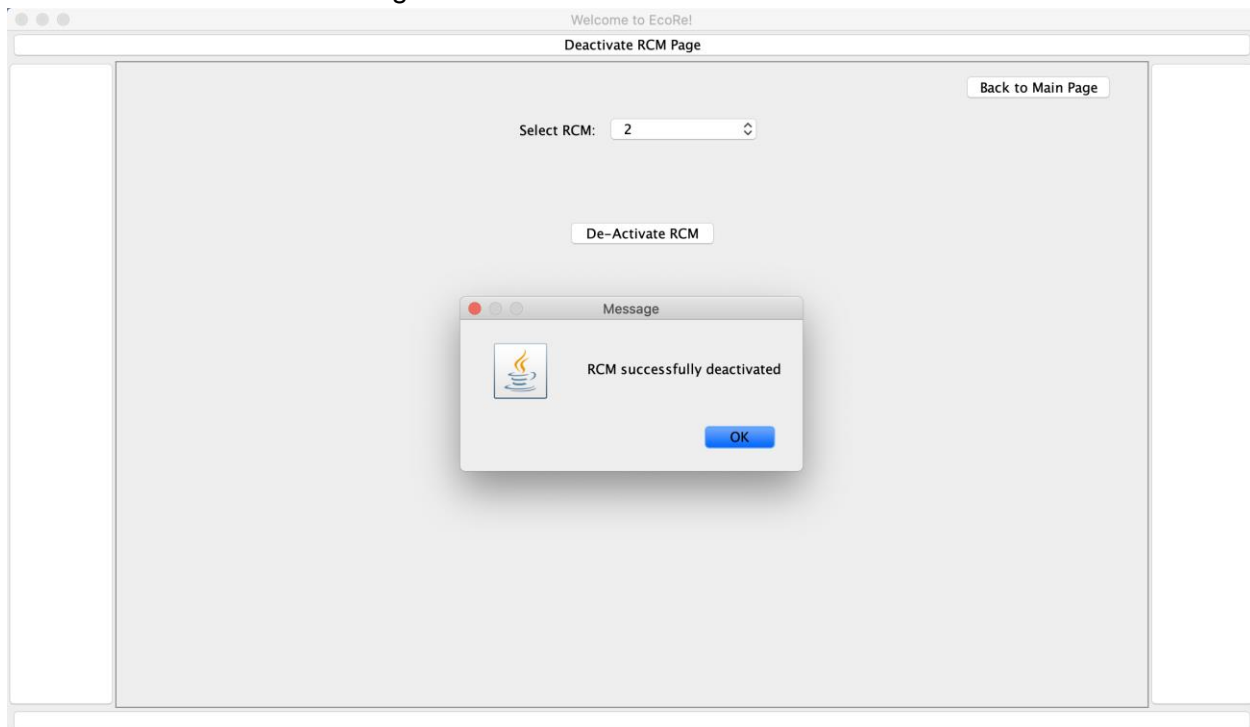
Information

RCM successfully created

OK

Add RCM

Remove RCM

Check the operational status of each RCM.

RCM Status Page

Back to Main Page

Select RCM: 1   ⇕

Get RCM Status

● ○ ○   Message

Machine 1 is Active

OK

Check status after deactivating an RCM

Deactivate RCM Page

Back to Main Page

Select RCM: 2   ⇕

De−Activate RCM

● ○ ○   Message

RCM successfully deactivated

OK
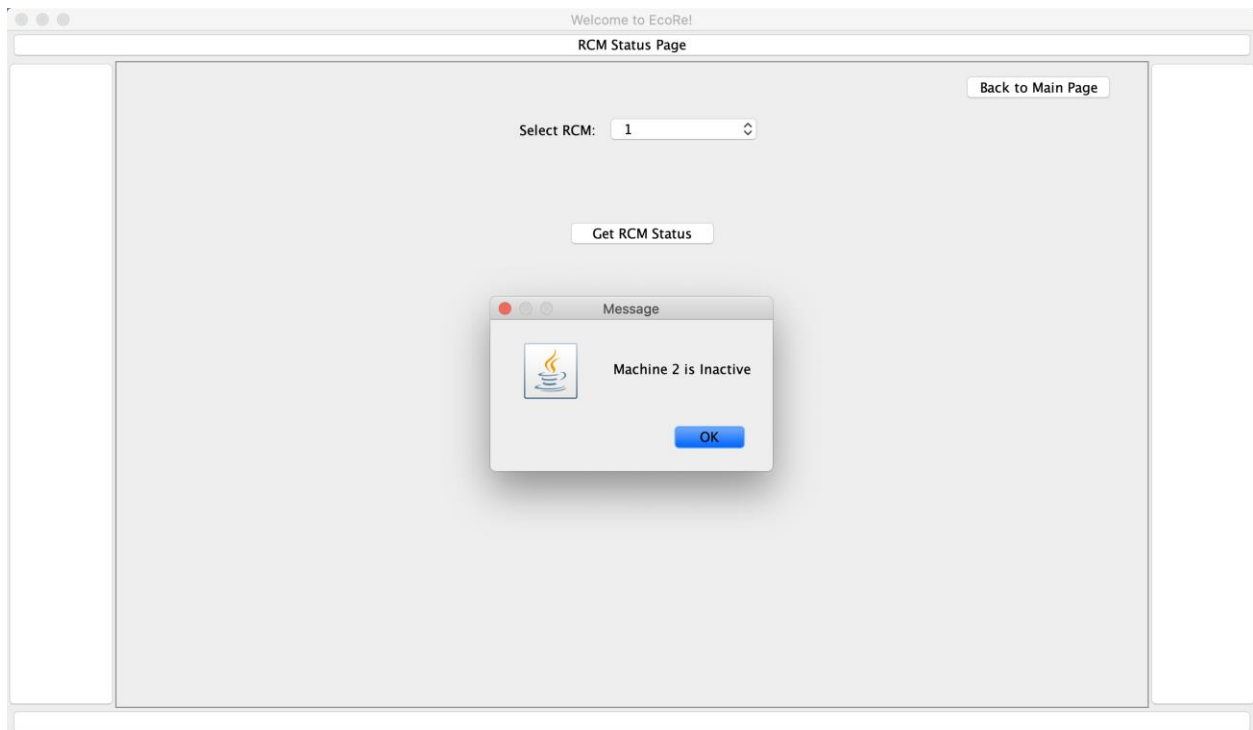
Reactivate and check status

RCM Status Page

Back to Main Page

Select RCM: 1

Get RCM Status

Message

Machine 2 is Active

OK
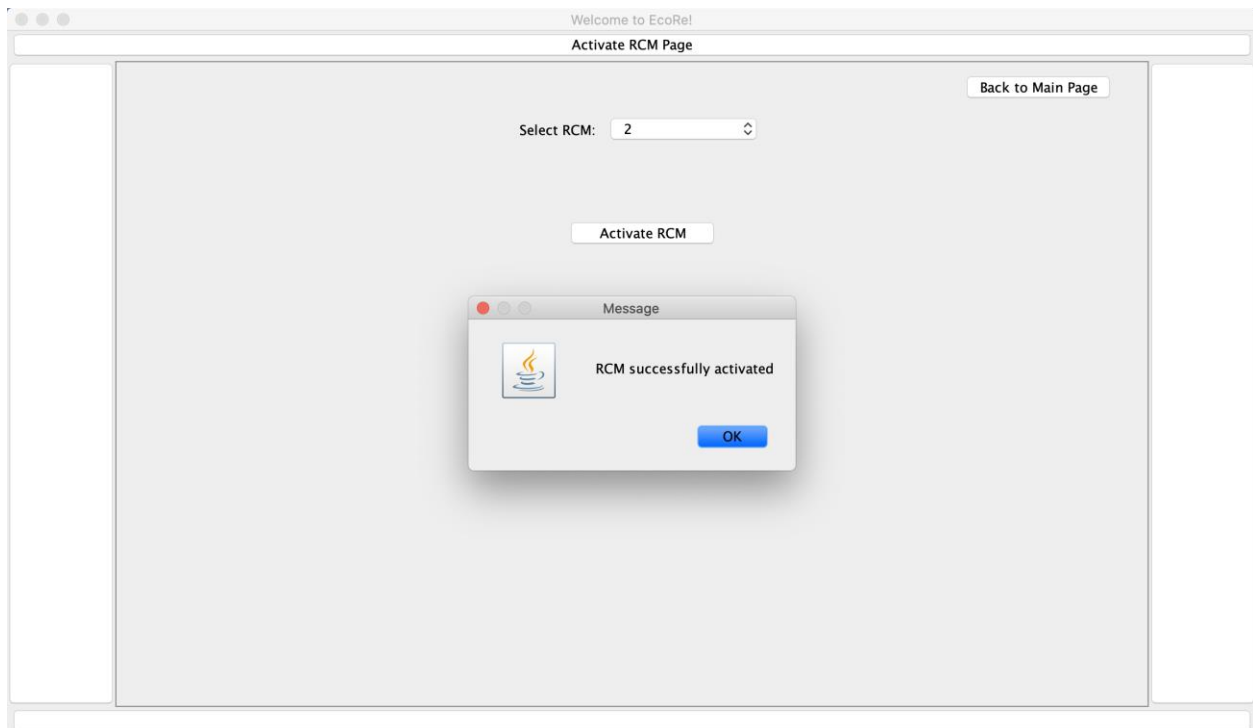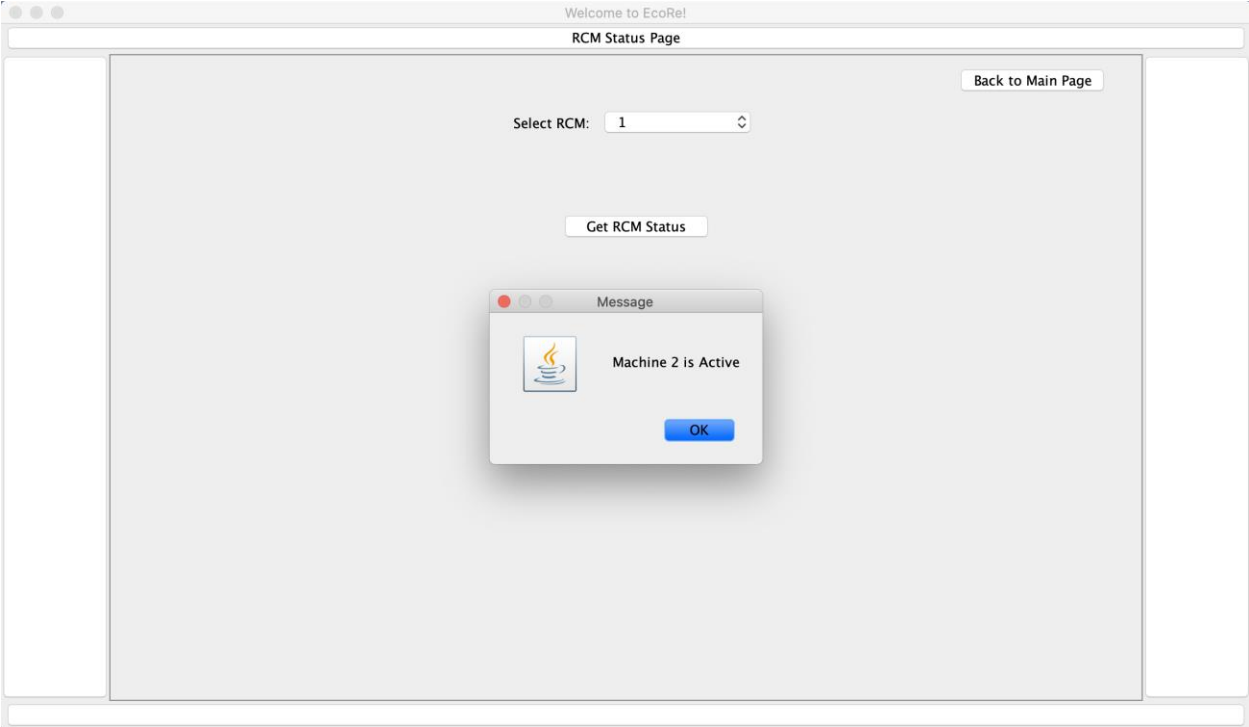
Add a new type of recyclable item.

Add/Update Items Page

Back to Main Page

Select RC... | ✓ 1 |
              | 2 |
              | 3 |

Add/Update Items

Add/Update Items Page

Back to Main Page

Select RC... | 1 |

Add/Update Items

Item Name	Item Price	Item Weight		Add Item
Paper	4.0	2.0	Change	Save
Carton	3.0	8.0	Change	Save

Add/Update Items Page

Back to Main Page

Select RC... | 1

Add/Update Items

Item Name	Item Price	Item Weight		Add Item
Paper	4.0	2.0	Change	Save
Carton	3.0	8.0	Change	Save
	0.0	0.0	Change	Save

Back to Main Page

Select RC... | 1

Add/Update Items

Item Name	Item Price	Item Weight		Add Item
Paper	4.0	2.0	Change	Save
Carton	3.0			
Glass	1.0	5.0	Change	Save

Item Added/Updated successfully

OK

Update price of an item in RCM:

Add/Update Items Page

Back to Main Page

Select RC...   2

Add/Update Items

Item Name	Item Price	Item Weight		Add Item
Glass	3.0	3.0	Change	Save
Expired Meds	2.0	5.0	Change	Save

Add/Update Items Page

Back to Main Page

Select RC...   2

Add/Update Items

Item Name	Item Price	Item Weight		Add Item
Glass	3.0	2.5	Change	Save
Expired Meds	2.0			

Item Added/Updated successfully

OK

Check the amount of money in a specific RCM

Welcome to EcoRe!

Check RCM Amount Page

Back to Main Page

Select RCM: 2

RCM Amount

Welcome to EcoRe!

Check RCM Amount Page

Back to Main Page

Select RCM: 2

RCM Amount

Message

RCM 2 has $1974.67 left

OK
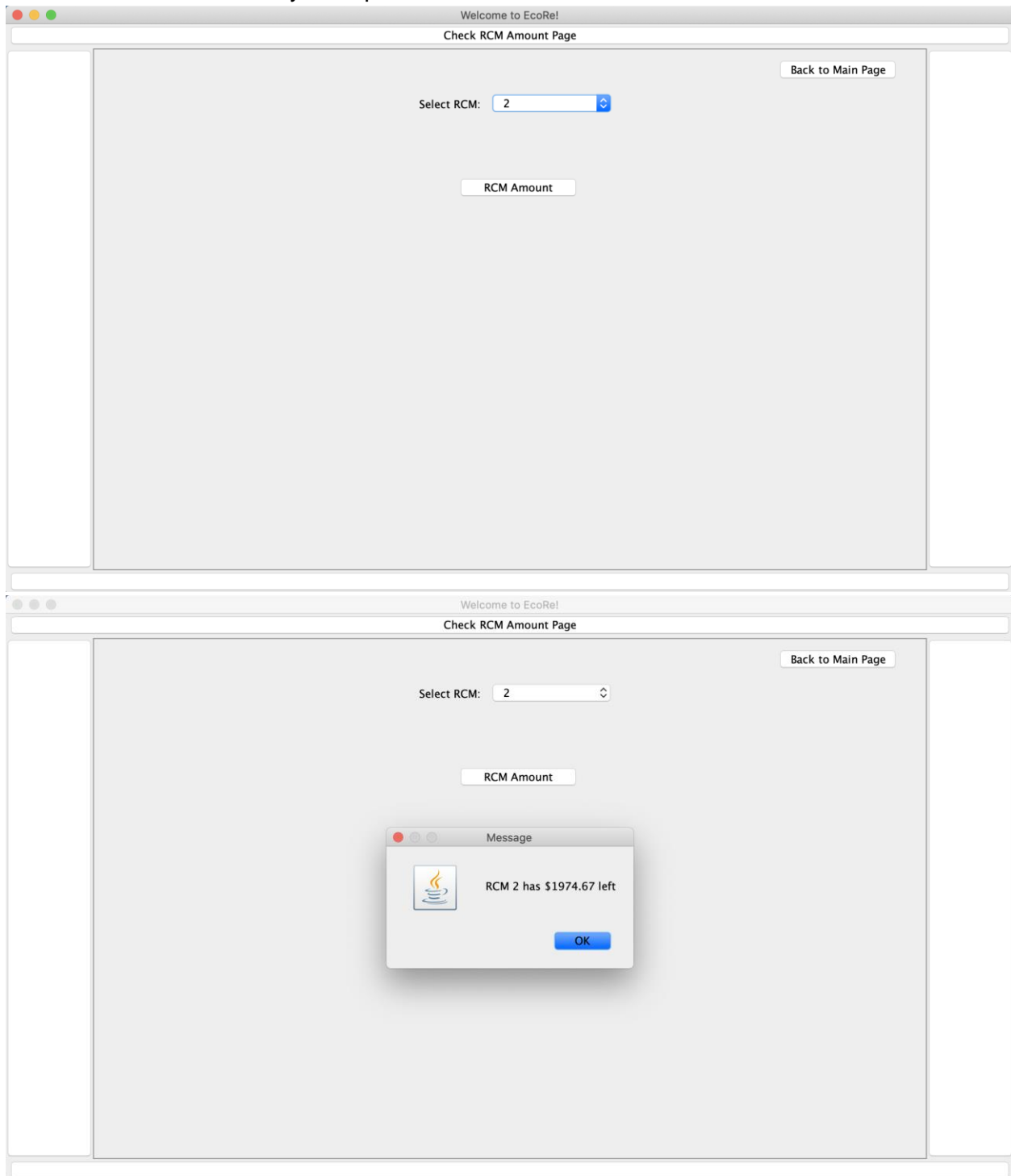
Check the current (and available) capacity (by weight or volume) of an RCM.

Get the number of items returned by a specific machine in a month.

Show the time a specific RCM was emptied last time.

Get the location of recycling station and id of the machine that was used the most (in the last n days)

Check the count of items returned in an RCM

Usage Statistics in Graph and Text

Usage Statistics Page

Total recycled item weight ⌄   Back to Main Page

Total recycled item weight by RCM in last 24 hours

RCM ID	Weight
1 One Street	18
2 Two Street	21
3 Third Street	0

Usage Statistics Page

Total recycled item value ⌄   Back to Main Page

Total recycled item value by RCM in last 24 hours

RCM ID	Value
1 One Street	29.5
2 Two Street	21
3 Third Street	0
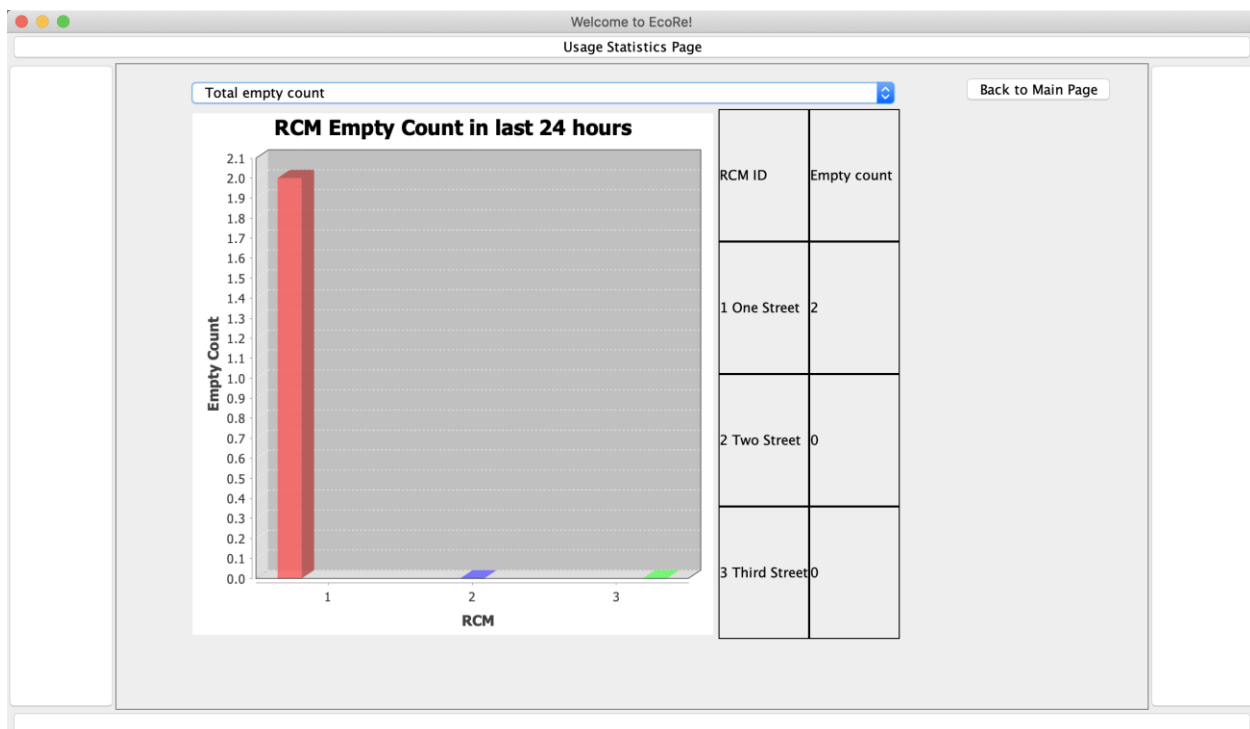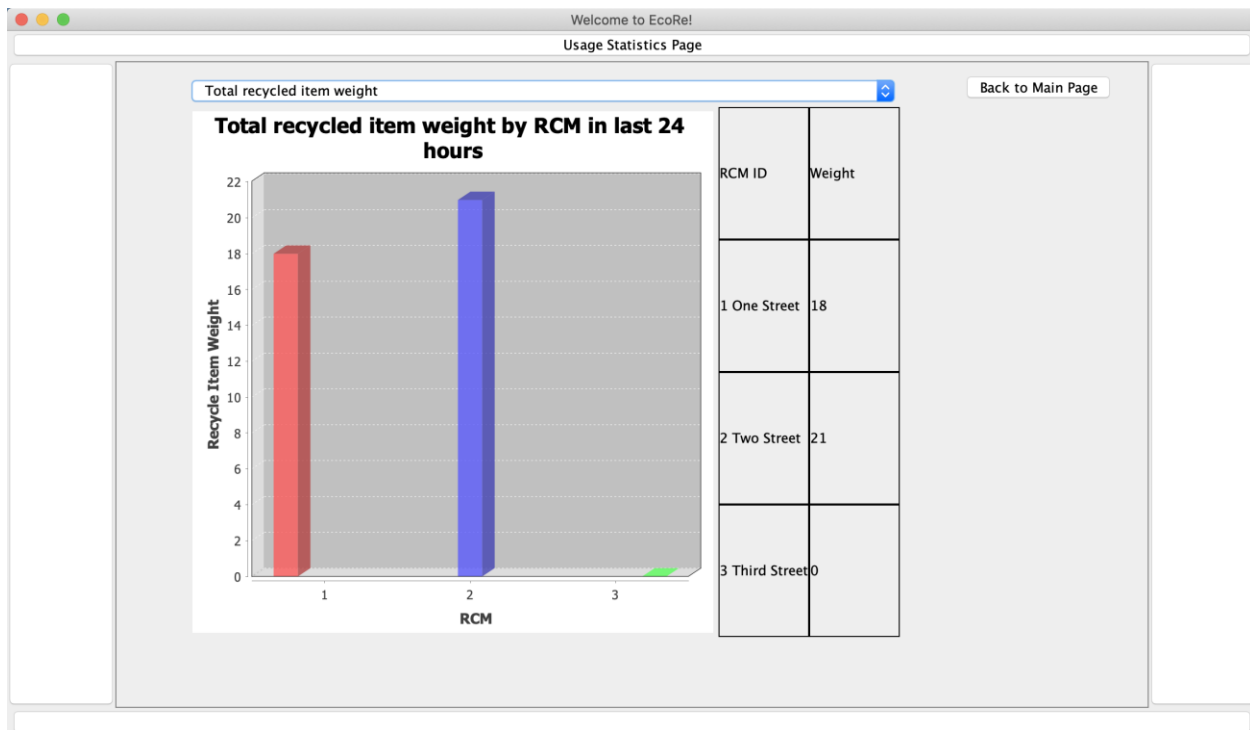
Recycling Machines (RCM)

Home page

Welcome to EcoRe RCM

RCM Home Page

Welcome! Please click to get RCM list

Welcome to EcoRe RCM

RCM Home Page

RCM 1 in One Street

RCM 2 in Two Street

RCM 3 in Third Street
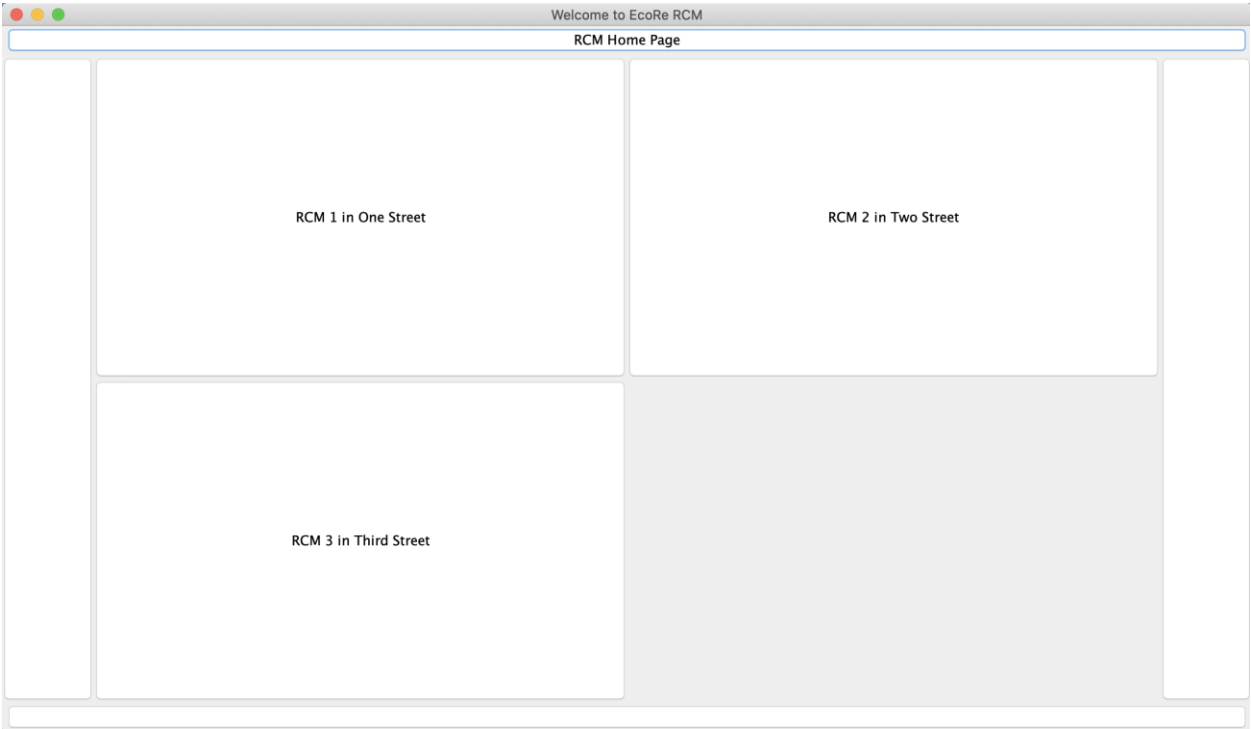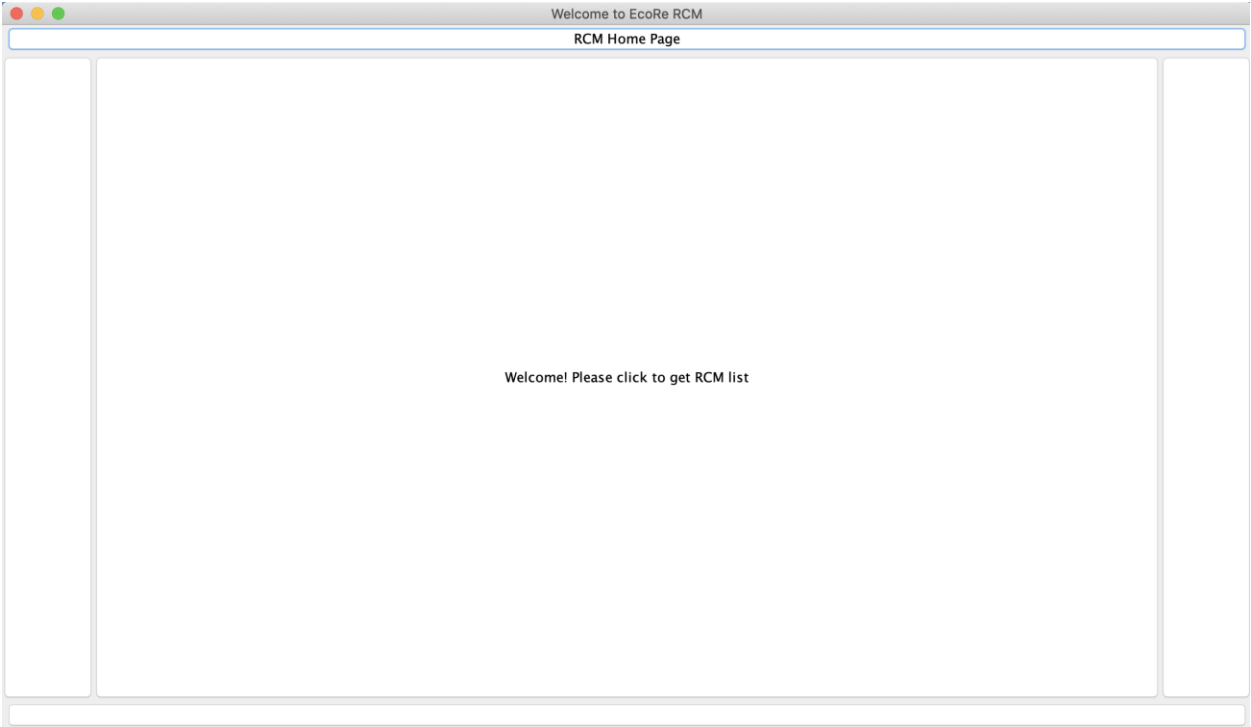
When the selected RCM is deactivated by RMOS
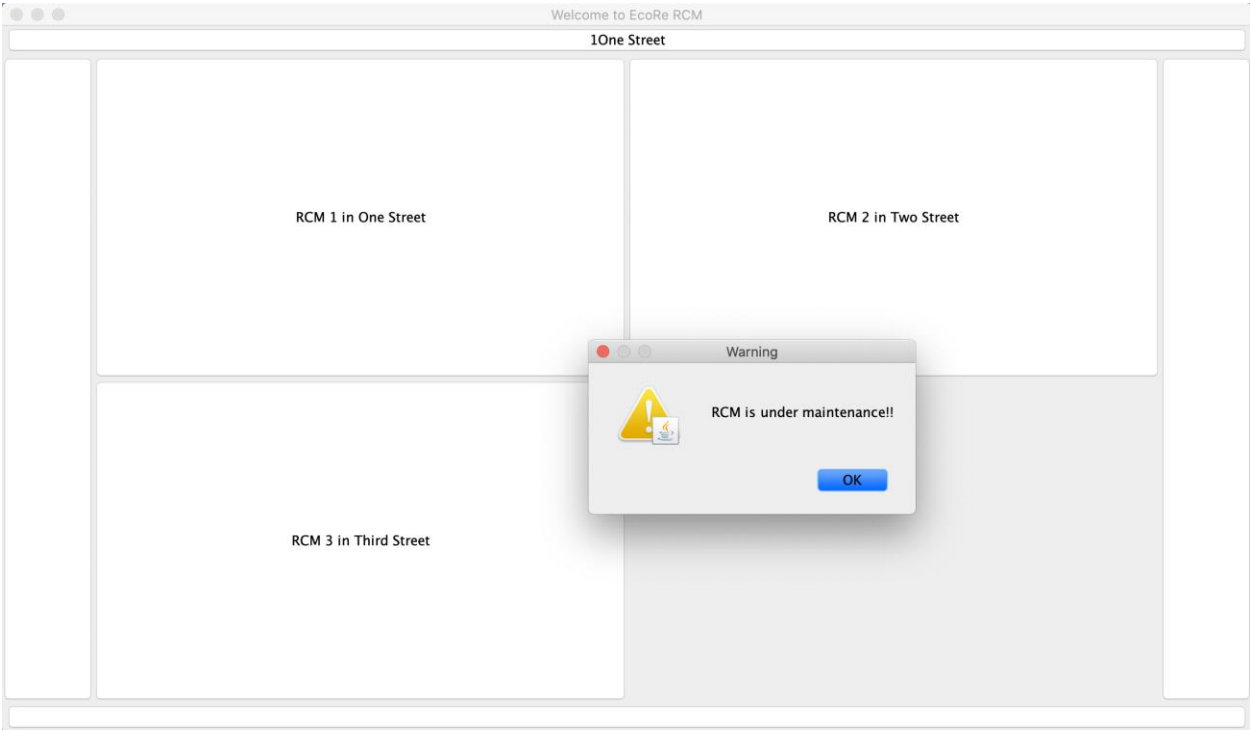
	Welcome to EcoRe RCM	
	1One Street	

RCM 1 in One Street   RCM 2 in Two Street

Warning

⚠ RCM is under maintenance!!

OK

RCM 3 in Third Street

Accepted list of items and it's price per weight (in lb)

	Welcome to EcoRe RCM	
	2Two Street	

Cancel Transaction

Item Accepted	Price	Weight
Glass	$3.0	3.0 lbs
Expired Meds	$2.0	5.0 lbs
Weight in Kg Metric	Drop Items	
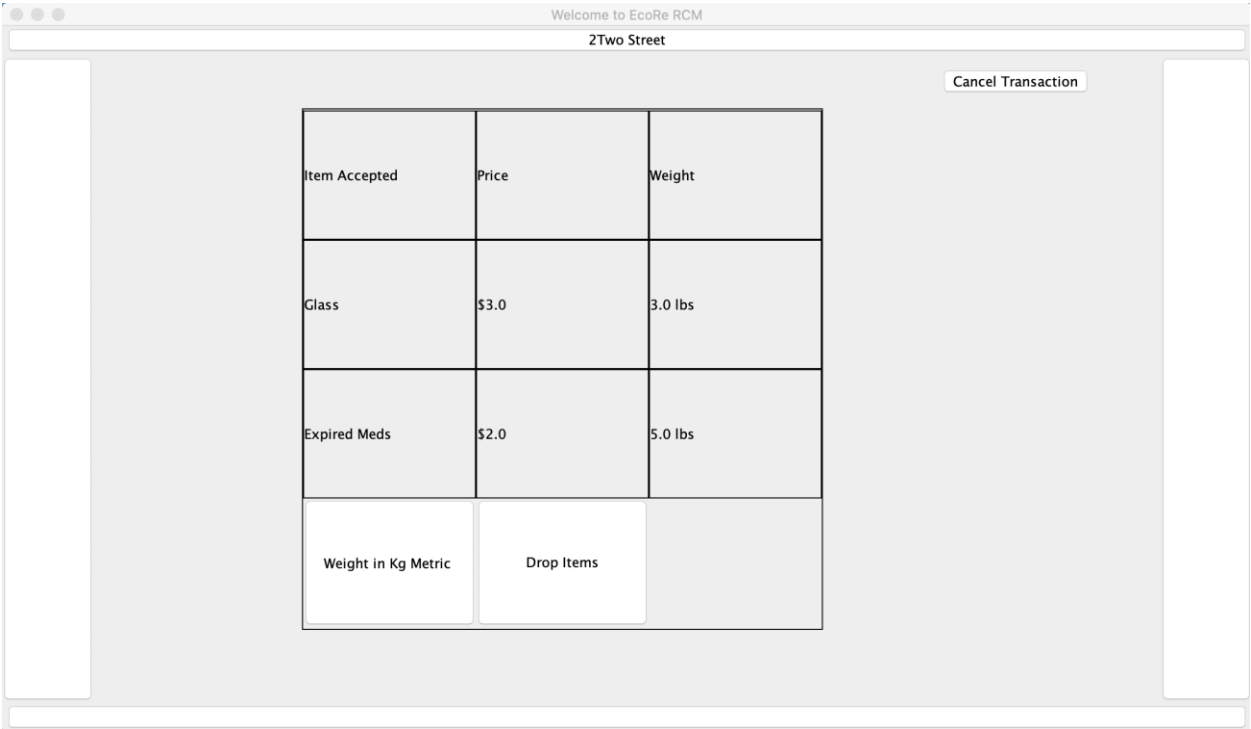
Accepted list of items and it's price per weight (in kg) shown

2Two Street

Cancel Transaction

Item Accepted	Price	Weight
Glass	$3.0	1.36 kgs
Expired Meds	$2.0	2.27 kgs
Weight in Lb Metric	Drop Items	

Allow the user to start inserting the item in the designated receptacle.
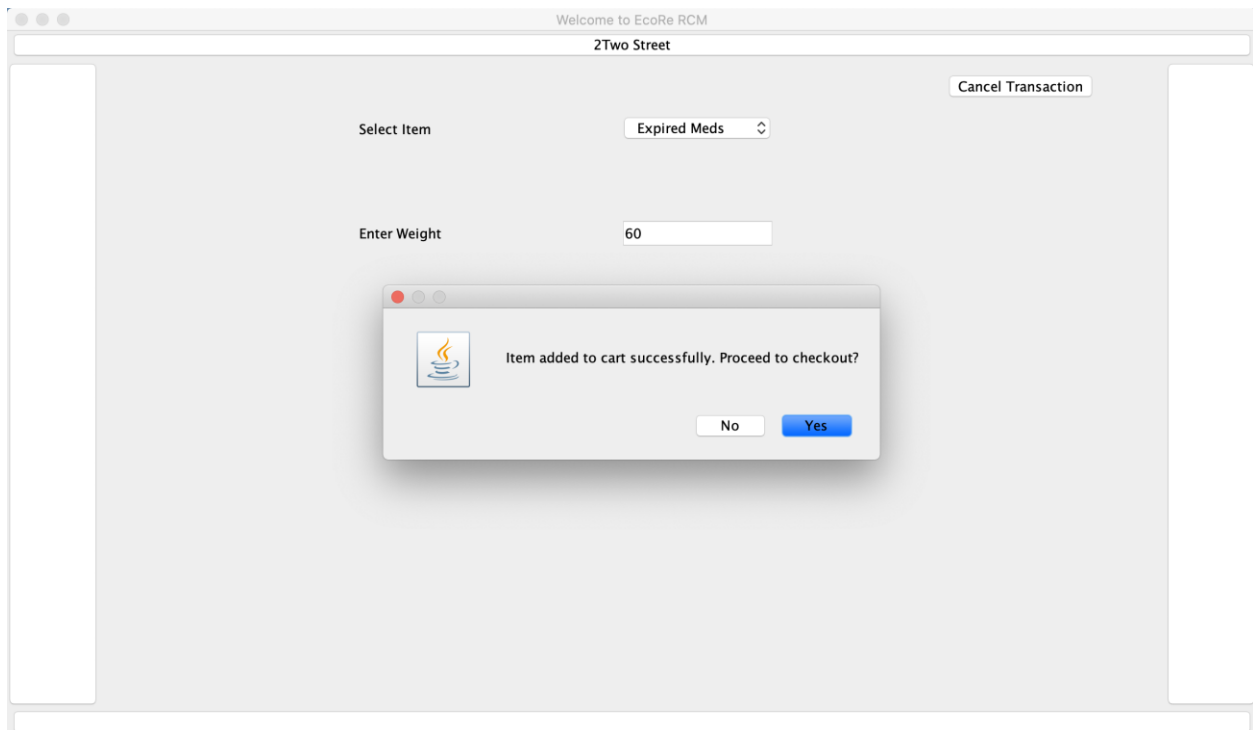
2Two Street

Cancel Transaction

Select Item   Glass
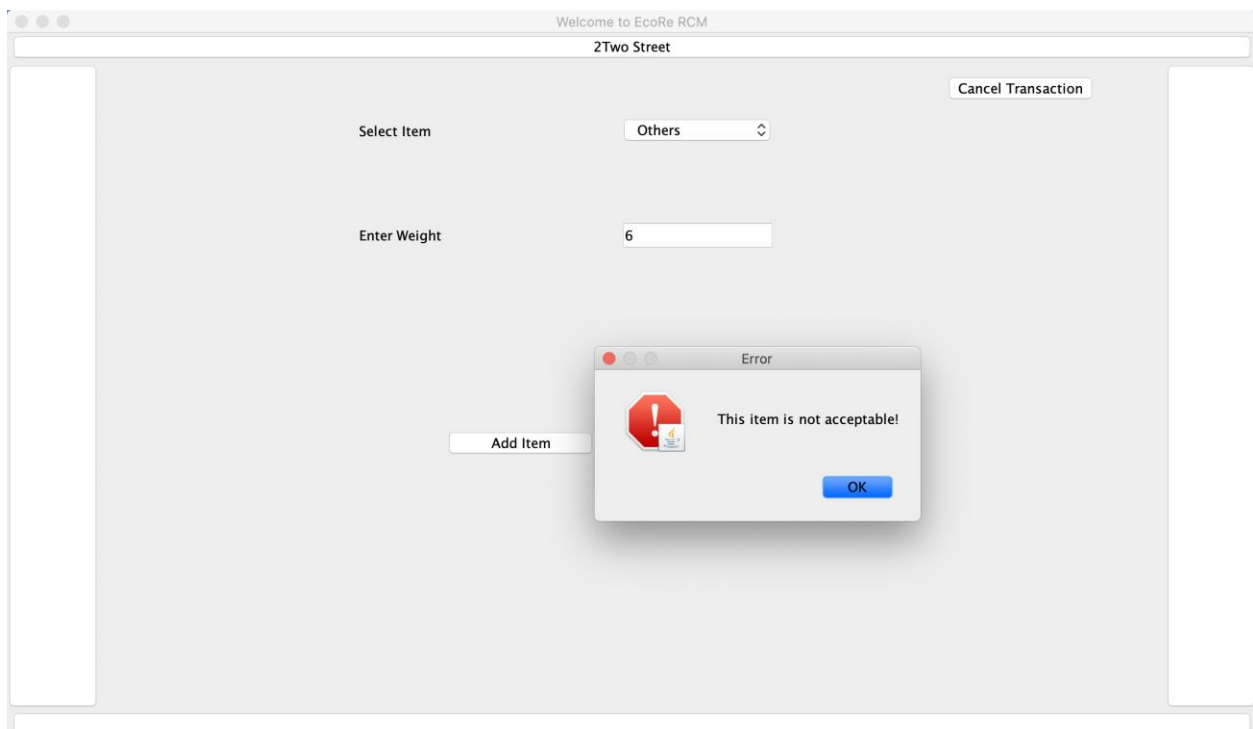
Enter Weight   50

Item added to cart successfully. Proceed to checkout?

No   Yes

Does not allow an item that is not permitted and shown as a recyclable item by the RCM.

Does not allow an item if RCM is full (capacity to hold the items has been reached).

Check RCM Capacity Page

Back to Main Page

Select RCM: 3

RCM Capacity

Message

RCM 3
Available capacity: 2000.0lbs
Used capacity: 0.0lbs

OK

3Third Street

Cancel Transaction

Select Item   Paper

Enter Weight   2000

Item added to cart successfully. Proceed to checkout?

No   Yes
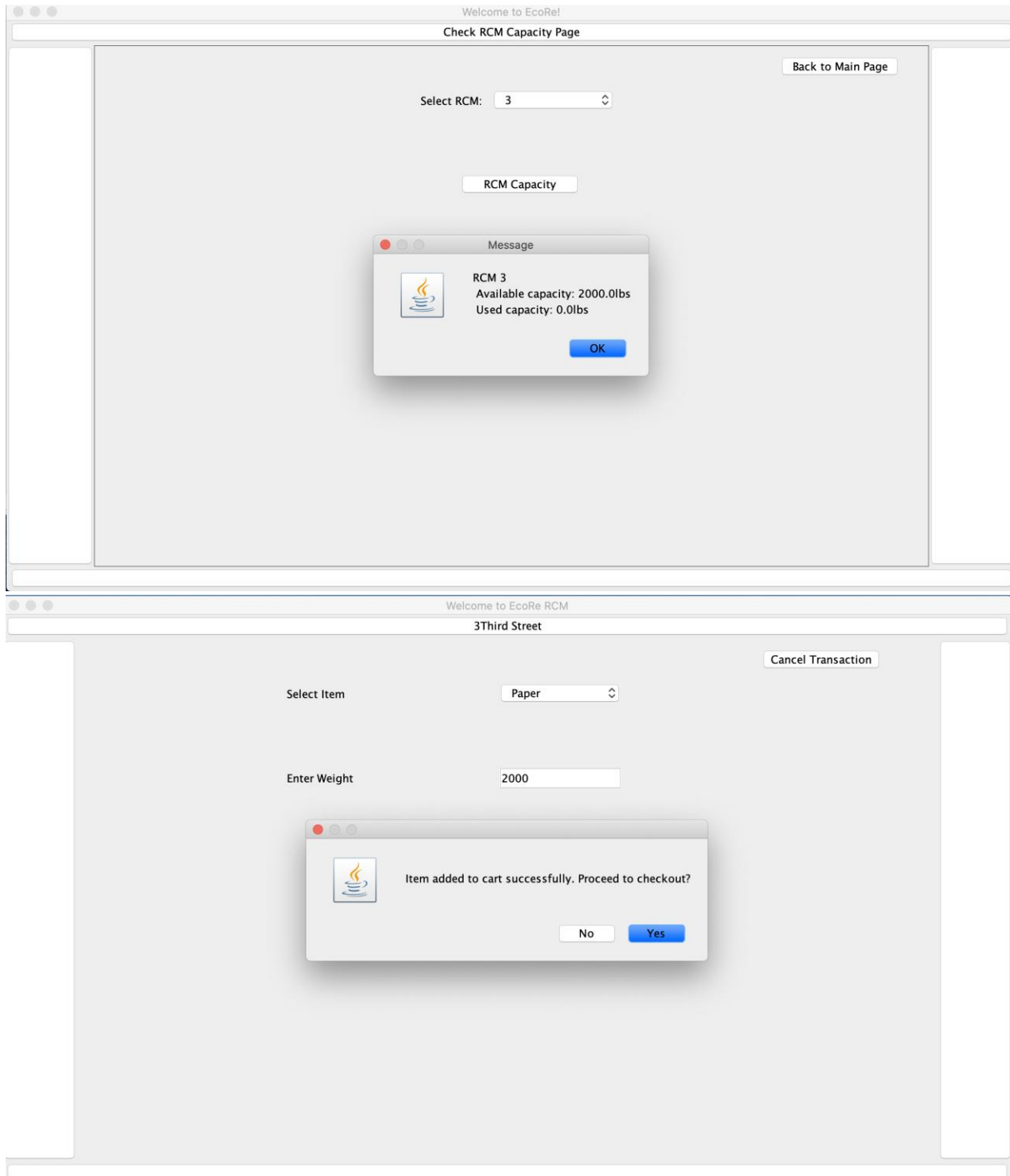
3Third Street

Cancel Transaction

Select Item   Paper ⇕

Enter Weight   1

Error

Cannot drop this item. RCM has only 0 lbs of space left

OK

3Third Street

Cancel Transaction

| Continue Adding | Weight in kg | Cashback |

Item	Weight	Price
Paper	2000 lbs	$5000
Total:		$5000

Information

Not enough money in the machine. Please collect your coupon

OK

Displays the item type, weight (in lbs) and price due to the customer.

	Welcome to EcoRe RCM	
	2Two Street	

Cancel Transaction

| Continue Adding | Weight in kg | Cashback |

Item	Weight	Price
Glass	50 lbs	$50
Expired Meds	60 lbs	$24
Total:		$74

A customer (user) may choose to view the weight in Metric units.

	Welcome to EcoRe RCM	
	2Two Street	

Cancel Transaction

| Continue Adding | Weight in lbs | Cashback |

Item	Weight	Price
Glass	22.68 kgs	$50
Expired Meds	27.22 kgs	$24
Total:		$74

Returns the money cash if there is enough in the machine. Otherwise, prints a coupon that can be redeemed in a number of designated stores. The user may select to have a coupon instead of cash.
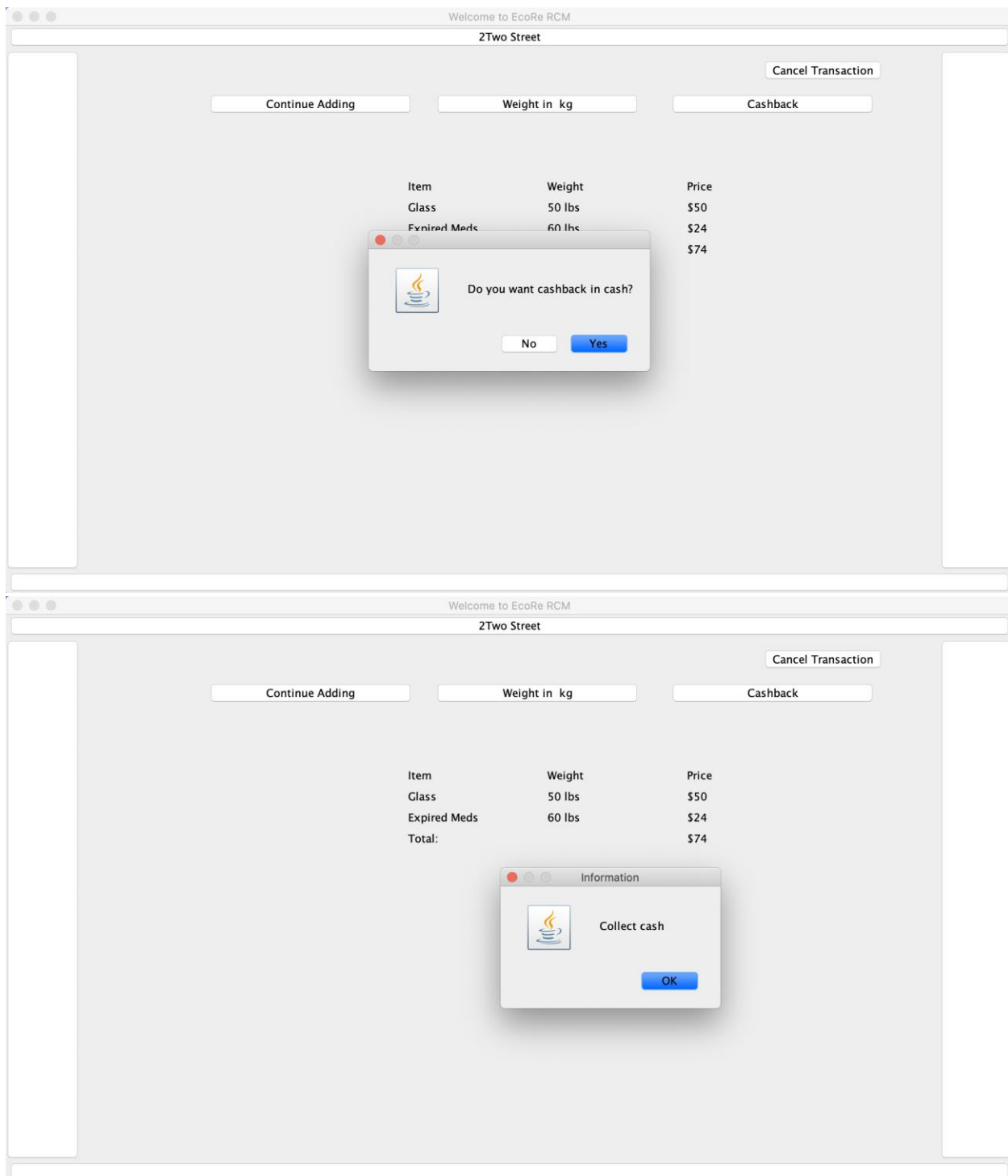
Dealing with exceptions