

Demo Instruction:

RMOS - part 1

1. Log in:

Input Username: demo Password: class → “wrong message”

Input Username: demo Password: demo → Login

2. Operations:

RCM Number	RCM ID	Location	Action
1	111	Apple	Add
2	222	Facebook	Add
3	333	Google	Add
5	555	Amazon	Add
7	777	LinkedIn	Add
1			Remove
2			Activate
3			Activate
5			Activate

3. Items Controller

Item Number	Unit Price	Item Type	Action
1	2	Paper	Add
2	4	Glass	Add
5	9	Electronic	Add
8	1	Plastic	Add
5			Remove
1	3		Change

4. Show Items List

5. Clear Screen

6. Show RCM List

Switch to RCM instruction, then back to RMOS - part 2

Demo Instruction:

RMOS - part 2

7. Check Status

RCM Number	Action
2	Current Cash
3	Current Capacity
5	Monthly Weight
	Get Most Busy RCM
	Monthly Cash Issued Graph
	Monthly Weight Stats. Graph
	Monthly Usage Times Graph

8. Operations cont.

RCM Number	Action
2	Refill Cash*
3	Refill Cash
5	Refill Cash
2	Clear Capacity**
3	Clear Capacity
5	Clear Capacity

* Save cash into Monthly Cash Issued

** Save Weight into Monthly Weight

9. Show Graph

10. *Switch to Highlights of project*

Demo Instruction:

RCM

Activate RCM: 2, 3 and 5

Item 1---\$3 Item 2---\$4 Item 8---\$1

Default Capacity: 50lb Default Cash: \$50

1. Switch RCM

Switch RCM 8 → Invalid Number

Switch RCM 2 → Valid Number

2. User Input1 - RCM 2 - Normal Case

Item Number	Item Weight	Action
9	1	Insert
1	1	Insert
		Continue
2	2	Insert
		End
		Return Cash
1	3	Insert
		End
		Return Coupon
8	1	Insert - End - Return Cash
2	2	Insert - End - Return Cash

User Input 2 - RCM 3 - 90% of Default Capacity: 45 lb.

Item Number	Item Weight	Action
1	1	Insert - End - Return Cash
2	46 > 45	Insert - End - Return Cash

User Input 3 - RCM 5 - 95% of Default Capacity: 48 lb. Full RCM. No cash. Clear and Refill

Item Number	Item Weight	Action
1	1	Insert - End - Return Cash
2	48 > 48	Insert - End - Return Cash
8	10 > 50	Insert: "RCM is Full"
1	0.5 - still work	Insert - End - Return Cash
		<i>RMOS: RCM 5 Clear Capacity</i>
2	10 - restart	Insert - End - Return

Switch to RMOS - part 2

Highlights of the Project

UI

1. WindowBuilder
2. JFreeChart
3. Personal Icon
4. Colorful background and font
5. 10 RCM Icon in different status
6. Switch to one of 10 RCMs

Functional

1. Thinking from users
2. Detail Oriented
3. Communication between RMOS and RCM
4. MySQL connection
5. Faster access data: ArrayList vs. JDBC
6. Special Algorithm: Most busy RCM
7. MVC framework