

Fall 2021-2022  
CSE3001: Software Engineering  
J Component Review 2


Advait Deochakke – 20BCE1143

## Partial Implementation of J Component

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### Billing

#### Initial State



Enter Item ID:

Enter Item Name:

Customer Name:

Customer Max purchased item:


SmallBazaar Points:  ☐ Use Points?

Enter Quantity:

Item Name	Quant.	Price per item	Total Cost	Sale Value

Chargeable Value

Adding 3 quantity of item 2



Enter Item ID:

2

Enter Item Name:

Customer Name:

Customer Max purchased item:

SmallBazaar Points:

Enter Quantity:

3

Add Item

Calculate Bill

☐ Use Points?

0

Item Name	Quant.	Price per item	Total Cost	Sale Value
Soda	3	30	90	0

Chargeable Value

Register Customer

## Adding 1 quantity of item Chips

— □ ×

**Small Bazaar**

Enter Item ID:

Enter Quantity:

Enter Item Name:

Customer Name:

Customer Max purchased item:

SmallBazaar Points:

☐ Use Points?

Item Name	Quant.	Price per item	Total Cost	Sale Value
Soda	3	30	90	0
Chips	1	10	10	0

Chargeable Value

Calculating Bill no sale no points used



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□

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Small Bazaar

Enter Item ID:

0

Enter Quantity:

1

Enter Item Name:

Chips

Add Item

Customer Name:

Shyam

Calculate Bill

Customer Max purchased item:

Chips

SmallBazaar Points:

253

☐ Use Points?

0


Item Name	Quant.	Price per item	Total Cost	Sale Value
Soda	3	30	90	0
Chips	1	10	10	0

Chargeable Value

100.0

Register Customer

## Calculating Bill no sale but 10 points used



**Small Bazaar**

Enter Item ID:

Enter Quantity:

Enter Item Name:

Add Item

Customer Name:

Calculate Bill

Customer Max purchased item:

SmallBazaar Points:

☒ Use Points?

Item Name	Quant.	Price per item	Total Cost	Sale Value
Chips	1	10	10	0
Soda	3	30	90	0

Chargeable Value

Register Customer

## Updated database for points after points discount


```
MySQL 8.0 Command Line Client

mysql> select * from customerdata;
+-----+-----+-----+-----+
| custname      | custnumber | maxpurchase | points |
+-----+-----+-----+-----+
| Advait Deochakke | 20114300 |             | 0      |
| Lata           | 79276486 | Ice Cream   | 0      |
| Shyam          | 85376125 | Chips       | 253    |
| Ram            | 96876490 | Milk        | 75     |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from customerdata;
+-----+-----+-----+-----+
| custname      | custnumber | maxpurchase | points |
+-----+-----+-----+-----+
| Advait Deochakke | 20114300 |             | 0      |
| Lata           | 79276486 | Ice Cream   | 0      |
| Shyam          | 85376125 | Chips       | 243    |
| Ram            | 96876490 | Milk        | 75     |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

## Calculating Bill both sale and points used



# Small Bazaar

Enter Item ID:

Enter Quantity:

Enter Item Name:

Add Item

Customer Name:

Calculate Bill

Customer Max purchased item:

SmallBazaar Points:

☒ Use Points?

Item Name	Quant.	Price per item	Total Cost	Sale Value
Chips	1	10	10	0
Soda	3	30	90	15
Dairy Milk	4	10	40	0
Ice Cream	2	100	200	50

Chargeable Value

Register Customer

## Updated database for points after sale and points discount

```
MySQL 8.0 Command Line Client
mysql> select * from customerdata;
```

custname	custnumber	maxpurchase	points
Advait Deochakke	20114300		0
Lata	79276486	Ice Cream	0
Shyam	85376125	Chips	243
Ram	96876490	Milk	75

```
4 rows in set (0.00 sec)

mysql> select * from customerdata;
```

custname	custnumber	maxpurchase	points
Advait Deochakke	20114300		0
Lata	79276486	Ice Cream	0
Shyam	85376125	Chips	143
Ram	96876490	Milk	75

```
4 rows in set (0.00 sec)

mysql>
```

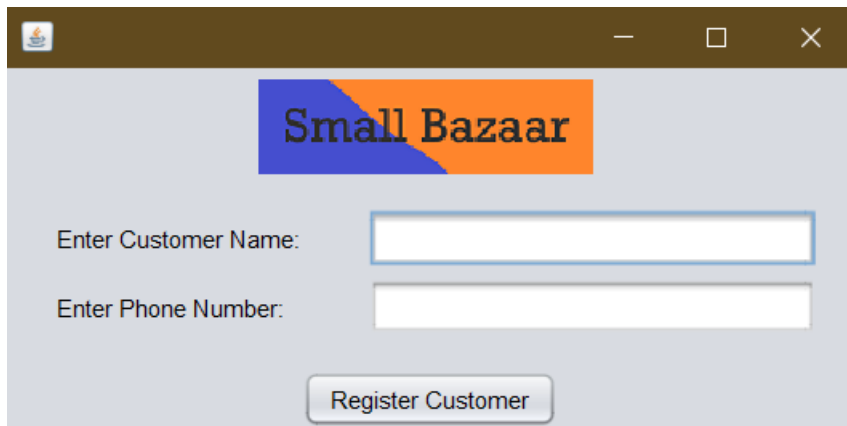
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## Registration

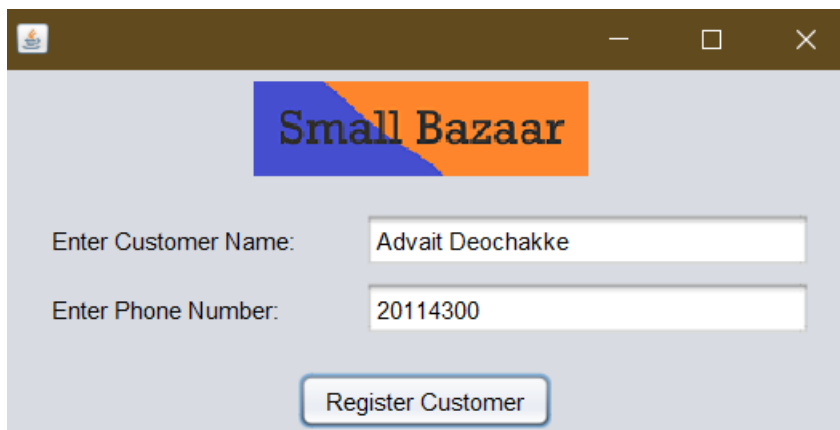
(On clicking the “Register Customer” Button on bottom left of Billing screen. Exits Billing window and opens Registration window)

Register\_Customer



A screenshot of a registration window titled "Small Bazaar". The window has a light gray background and a dark brown title bar with standard Windows window controls. The title "Small Bazaar" is displayed in a large, bold, black font, with the "S" on a blue background and the rest on an orange background. Below the title, there are two input fields: "Enter Customer Name:" and "Enter Phone Number:". The "Enter Customer Name:" field is currently empty. The "Enter Phone Number:" field is also empty. At the bottom center, there is a button labeled "Register Customer".

Register\_Customer\_2



A screenshot of the same registration window titled "Small Bazaar". The window has a light gray background and a dark brown title bar with standard Windows window controls. The title "Small Bazaar" is displayed in a large, bold, black font, with the "S" on a blue background and the rest on an orange background. Below the title, there are two input fields: "Enter Customer Name:" and "Enter Phone Number:". The "Enter Customer Name:" field is filled with the text "Advait Deochakke". The "Enter Phone Number:" field is filled with the text "20114300". At the bottom center, there is a button labeled "Register Customer".

## Before and After Customer Registration

```
mysql> select * from customerdata;
```

custname	custnumber	maxpurchase	points
Lata	79276486	Ice Cream	0
Shyam	85376125	Chips	253
Ram	96876490	Milk	90

```
3 rows in set (0.00 sec)
```

```
mysql> select * from customerdata;
```

custname	custnumber	maxpurchase	points
Advait Deochakke	20114300		0
Lata	79276486	Ice Cream	0
Shyam	85376125	Chips	253
Ram	96876490	Milk	75

```
4 rows in set (0.00 sec)
```

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