IMPLEMENTATION
"MARKET YARD MANAGEMENT SYSTEM"

COURSE:
IT 314 : Software Engineering

GROUP: 5.13

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1 Signup Functionality for Farmer

The same functionality works for all the users. Here only one example is give i.e. of the farmer.

```
Portal [Java Application] C:\Program Files\Java\jre1.8.0_65\bin\javaw.exe (15-Apr-2018, 8:57:31 PM)
Enter type: (Farmer/Wholesaler/Retailer/Customer/Mandi-Admin)
farmer
Enter your choice:
1. Signup
2. Login
1
Registration Form
Enter name:
Abhin Kakkad
Enter Email-ID:
abhinkakkad@gmail.com
Enter Mobile no.:
9409170708
Enter password:
17071998
Enter Bank Details:
null
Enter your choice:
1. Signup
2. Login
```

The portal shows the functionality in use. The screenshot of the database below shows the data being stored in the database according to the details entered above.

	id integer	name character varying (20)	email_id character varying (50)	password character varying (20)	phone_no character varying (10)	bank_details character varying (20)
1	1	Abhin	abc@xyz.com	[null]	9876543210	ahmedabad
2	2	Abhin	abhinkakkad@mail.com	manthan123	7016686364	null
3	3	manthan	m123@xyz.com	manthan123	8140420997	navsari
4	4	mathan	man@123.com	manthan123	8140420997	nav
5	5	Abhin Kakkad	abhinkakkad@gmail.com	17071998	9409170708	null

Data Output   Explain   Messages   Query History

2 Login Functionality for Farmer

```
Enter your choice:
1. Signup
2. Login
2
Enter the Phone No.
9409170708
Enter the password
17071998
Mandi ma aapnu swagat che!!
Available actions for farmer are given below:
1.Update Profile
2.Add Goods

Enter your choice:
```

3 Update Profile Functionality for Farmer

```
Mandi ma aapnu swagat che!!
Available actions for farmer are given below:
1.Update Profile
2.Add Goods

Enter your choice:
1
Enter the field you want to update from the following menu:
1. Name
2. Email-ID
3. Password
4. Phone no.
5. Bank Details
5
Enter Bank Details
Ahmedabad-BOI
Bank details updated successfully
Do you want to update anything else?[YES/NO]
no
Your profile has been updated
```

	id integer	name character varying (20)	email_id character varying (50)	password character varying (20)	phone_no character varying (10)	bank_details character varying (20)
1	1	Abhin	abc@xyz.com	[null]	9876543210	ahmedabad
2	2	Abhin	abhinkakkad@mail.com	manthan123	7016686364	null
3	3	manthan	m123@xyz.com	manthan123	8140420997	navsari
4	4	mathan	man@123.com	manthan123	8140420997	nav
5	5	Abhin Kakkad	abhinkakkad@gmail.com	17071998	9409170708	Ahmedabad-BOI

4 Add Goods to Mandi Functionality for Farmer

```
Mandi ma aapnu swagat che!!
Available actions for farmer are given below:
1.Update Profile
2.Add Goods

Enter your choice:
2
Enter the Commodity name you want to add in Mandi:
Potato
Enter the quantity:
1200
Enter the price at which you want to sell/add goods to Mandi:
20
Goods Added Successfully to the Mandi!!
        The total amount you will get is:24000.0
                            5 % GST:1200.0
        Final Amount you will get is:22800.0
```

The farmer gives the details about the quantity and price of the goods that he has brought in. These goods are added in the goods section of the warehouse as seen below. Also the farmer is displayed the receipt for the transaction which shows him the tax deducted and the transaction is added in his account.

Data Output Explain Messages Query History

	goods_id integer	name character varying (10)	quantity character varying (10)	price character varying (10)
1	3	[null]	100	50
2	1	wheat	200.0	40
3	2	wheat	200.0	40
4	4	dal	180.0	80
5	5	Potato	1200	20

4.1 Account being updated for the farmer after he adds the goods

	receipt_id integer	user_id character varying (10)	type character varying (10)	operation character varying (10)	amount character varying (10)
1	1	5	farmer	Add Goods	22800.0

5 Buy Goods from Farmer Functionality for Retailer

```
Console ☒
<terminated> Portal [Java Application] C:\Program Files\Java\jre1.8.0_65\bin\javaw.exe (15-Apr-2018, 10:44:59 PM)
Enter the password
1306215
The username or Password is invalid!
Enter your choice:
1. Signup
2. Login
2
Enter the Phone No.
9409170708
Enter the password
13062015
Mandi ma aapnu swagat che!!
Available actions for retailer are given below:
1.Update Profile
2.Buy Goods from farmer

Enter your choice:
2
what do you want to buy?
rice
Price of given commodity:40.0
Enter the quantity you want to buy:
25
So Retailer's total amount will be:1000.0
Do you want to buy at this price?[yes/no]
yes
Confirmed final price for Retailer=1000.0
        The total amount you will get is:25000.0
                        5 % GST:1250.0
        Final Amount you will get is:26250.0
```
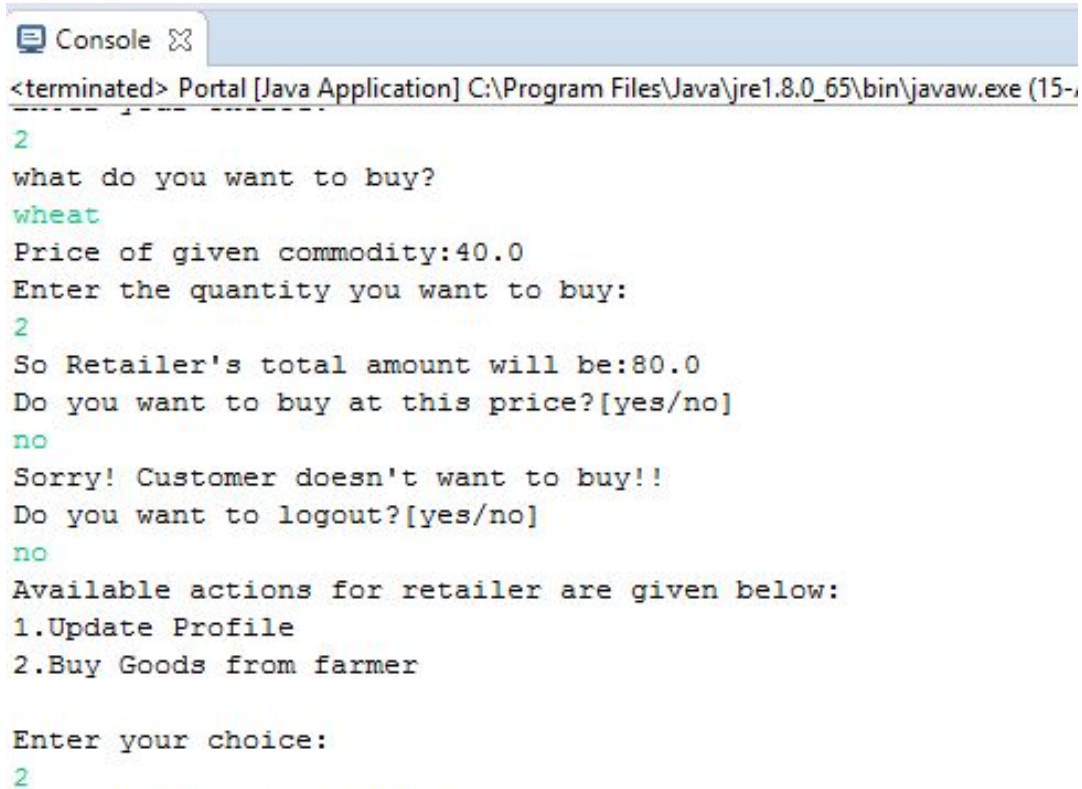
Receipt generation for the retailer when he buys the goods. The account of the retailer will be updated and the goods will be deducted from the goods database. Images are below.

	goods_id integer	name character varying (10)	quantity character varying (10)	price character varying (10)
1	3	[null]	100	50
2	4	dal	180.0	80
3	5	potato	3600.0	20
4	2	wheat	198.0	40
5	1	rice	173.0	40

	receipt_id integer	user_id character varying (100)	type character varying (100)	operation character varying (100)	amount character varying (100)
1	1	5	farmer	Add Goods	22800.0
2	2	1	wholesaler	Bought from Farmer	15200.0
3	3	1	retailer	Bought from Farmer	2736.0
4	4	2	customer	Bought from Trader	38.0
5	5	1	retailer	Bought from Farmer	26250.0

6 Log-Out Functionality for User

When the user doesn't want to logout and continues his procedures on the portal.

```
Available actions for retailer are given below:
1.Update Profile
2.Buy Goods from farmer

Enter your choice:
2
what do you want to buy?
rice
Price of given commodity:40.0
Enter the quantity you want to buy:
3
So Retailer's total amount will be:120.0
Do you want to buy at this price?[yes/no]
no
Sorry! Customer doesn't want to buy!!
Do you want to logout?[yes/no]
yes
You are successfully Logout from the System!!
```

When the user logs ot uhe is shown the successfully logged out message and the portal terminates.

7 Code Resource

Please find our code at the link given below:

https://github.com/abhin-kakkad/Market-Yard-Management-System