

MINI PROJECT

TEAM MEMBERS

1. GANAPRIYA S 1917114
2. SANDHIYA S 1917143
3. RANJANI K 1917139

BILLING MANAGEMENT SYSTEM

AIM

To create a desktop application to manage billing system using Java swing with JDBC(Java Database Connectivity) with help of xampp phpmyadmin to maintain database and to perform SQL queries.

PROJECT DESCRIPTION

A software i.e. desktop application to manage billing system such as in supermarkets.

The database maintains details of employees , customers and items in a store and shopping details.

TABLES

Register(Employee_name, **Employee_email Id**, Phoneno, Password, Module)

Items(**Item_id**, Name, Category, Price, Description, Quantity, Image)

Customer(**Customer_id**, Customer_name, Phoneno)

Shopping details(**Id**, Customer_name, Customer_Phoneno, Biller_name, Mode_of_payment, Items_details, date-time)

1. Timer with progress bar frame loads and then home with login frame become visible.

2.Database connection using xampp used to track username and password from table register in database and make sure to login credentials if matches.

3.Depends on module attribute of table register, go to admin or employee profile frame.

4.In admin profile, we can register new employee by inserting data into table register, view all employees by retrieving from table register, change admin password by updating table register, add items and edit items in by inserting and updating details in table item.

5.Validations are applied for registration details in new employee registration for name, password, email_id, Phoneno. If email ID already registered i.e. already available in table register ,then cannot able register new employee with same email ID.

6.In employee profile, has option to change password, update Phoneno by updating details in table register and start billing.

7.Items selected for billing and added to cart to calculate total amount by using collections in Java such as arrayList and hashMap.

8.In cart we can update or delete item by altering and deleting data in hashMap.

9.Customers details are saved by inserting in table customer .If customer details already available modifications will be done. Shopping details with customer details, biller details, mode of payments and items purchased are stored in table shopping_details for future reference.

This project demonstrates the model of real time billing system and management of the system along with database.

MODULE DESCRIPTION

Java Swing

1. Login frame

Email

Password

Validate email and password, if already registered will be logged in. Admin logged in to admin page and other employees to employee frame.

2. Employee register frame

Name

Email

Password

Phone No

Register employee only if the user is an admin , and data stored in employee table.

3. Admin and employee password change frame

Old password

New password

Confirm password

Old password matched and new password matched with confirm password and changes reflected in database.

4. Employee profile editing frame

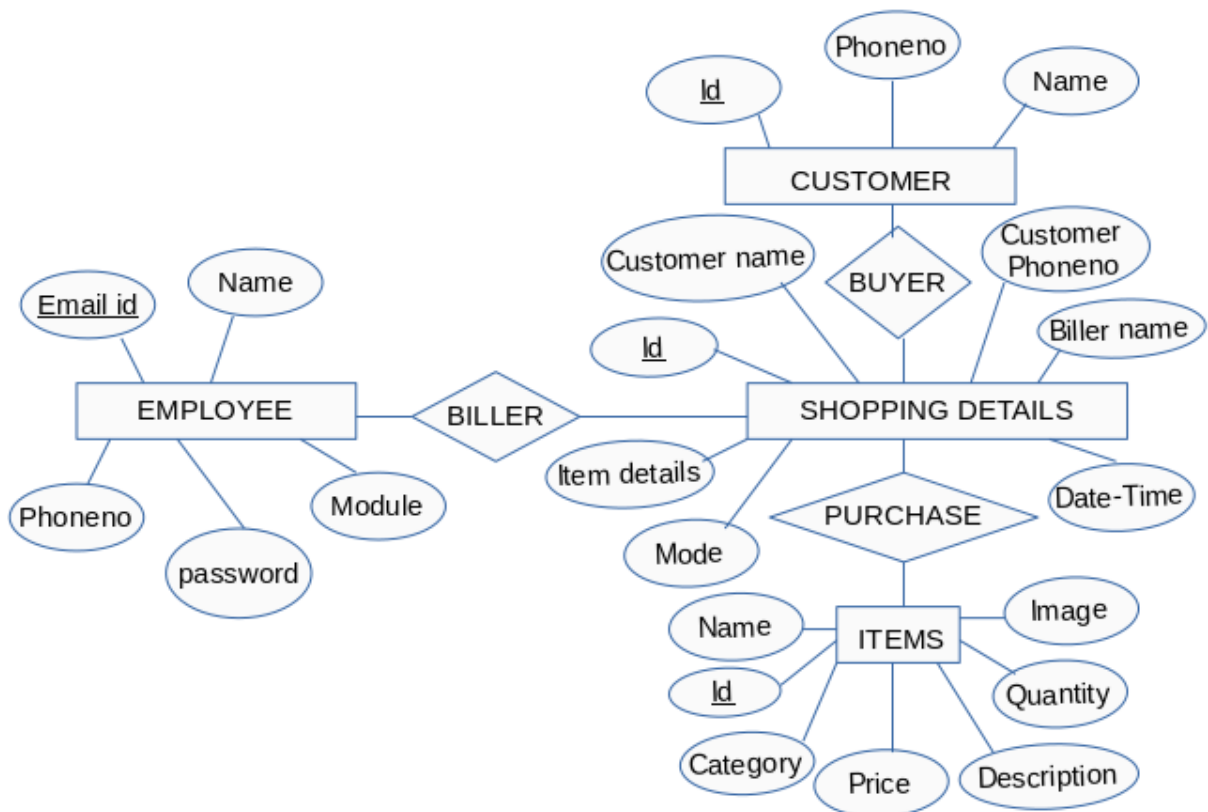
Name

Email

Phone No

Employee can view name ,email and phone no and not change name and email but can edit phone no and reflect change in database.

ER DIAGRAM



TABLES

Register(Employee_name, **Employee_email Id**, Phoneno, Password, Module)

Items(**Item_id**, Name, Category, Price, Description, Quantity, Image)

Customer(**Customer_id**, Customer_name, Phoneno)

Shopping_details(**Id**, Customer_name, Customer_Phoneno, **Biller_name**, **Mode_of_payment**, Items_details, date-time)

TABLE 1 - REGISTER: EMPLOYEE DETAILS

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
2	email	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	password	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
4	phoneno	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
5	module	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Table	Action	Rows	Type	Collation	Size	Overhead
customer	Browse Structure Search Insert Empty Drop	20	InnoDB	utf8mb4_general_ci	16.0 KiB	-
item	Browse Structure Search Insert Empty Drop	20	InnoDB	utf8mb4_general_ci	1.5 MiB	-
register	Browse Structure Search Insert Empty Drop	21	InnoDB	utf8mb4_general_ci	16.0 KiB	-
shopping	Browse Structure Search Insert Empty Drop	22	InnoDB	utf8mb4_general_ci	16.0 KiB	-
4 tables	Sum	83	InnoDB	utf8mb4_general_ci	1.5 MiB	0 B

```

MariaDB [bill]> use bill;
Database changed
MariaDB [bill]> show tables;
+-----+
| Tables_in_bill |
+-----+
| customer       |
| item           |
| register       |
| shopping       |
+-----+
4 rows in set (0.001 sec)

MariaDB [bill]> describe register;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name       | varchar(100) | NO   |     | NULL    |       |
| email      | varchar(100) | NO   | PRI | NULL    |       |
| password   | varchar(100) | NO   |     | NULL    |       |
| phoneno    | varchar(100) | NO   |     | NULL    |       |
| module     | varchar(100) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

```

```
MariaDB [bill]> select * from register;
```

name	email	password	phoneno	module
admin	admin@gmail.com	admin2001	1234567890	admin
Akshay	Akshay@gmail.com	akshay	1234567898	employee
Amit	Amit@gmail.com	amit	1234567895	employee
Ashwin	Ashwin@gmail.com	ashwini	1234567884	employee
Bavya	Bavya@gmail.com	bavya	1234567886	employee
Charu	Charu@gmail.com	charu	1234567899	employee
Faran	Faran@gmail.com	faran	1234567881	employee
Geetha	Geetha@gmail.com	geetha	1234567887	employee
Gopi	Gopi@gmail.com	gopi	1234567894	employee
Hari	Hari@gmail.com	hari	1234567880	employee
Harish	Harish@gmail.com	Harish	1234567832	employee
Kumar	kumar@gmail.com	Kumar	1234567891	employee
Latha	Latha@gmail.com	latha	1234567896	employee
Priya	Priya@gmail.com	priya	1234567883	employee
Ram	Ram@gmail.com	ram	1234567893	employee
Ravirao	Ravi@gmail.com	ravi	1234567885	employee
Sameeksha	sameeksha@gmail.com	sameeksha	1234567834	employee
Sasi	Sasi@gmail.com	isas	9876567899	employee
Tharun	Tharun@gmail.com	tharun	1234567897	employee
Uvaraj	Uvaraj@gmail.com	uvaraj	1234567888	employee
Yash	Yash@gmail.com	yash	1234567882	employee

21 rows in set (0.001 sec)

TABLE 2 - ITEM DETAILS

The screenshot shows the phpMyAdmin interface for the 'bill' database. The 'Table structure' tab is selected, displaying the following table structure for the 'item' table:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
2	name	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	price	text	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	category	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
5	description	varchar(3000)	utf8mb4_general_ci		Yes	NULL			Change Drop More
6	quantity	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More
7	image	longblob			Yes	NULL			Change Drop More

```
MariaDB [bill]> describe item;
```

Field	Type	Null	Key	Default	Extra
id	varchar(100)	NO	PRI	NULL	
name	varchar(100)	YES		NULL	
price	text	YES		NULL	
category	varchar(100)	YES		NULL	
description	varchar(3000)	YES		NULL	
quantity	varchar(100)	YES		NULL	
image	longblob	YES		NULL	

7 rows in set (0.001 sec)

phpMyAdmin

Server: localhost Database: bill Table: item

Showing rows 0 - 19 (20 total. Query took 0.0040 seconds.)

SELECT * FROM `item`

Number of rows: 25 Filter rows: Search this table Sort by key: None

	id	name	price	category	description	quantity	image
<input type="checkbox"/>	1	Leggings	500	Clothes	Cotton	20	[BLOB - 103.6 KiB]
<input type="checkbox"/>	10	Chips	10	Food	Delicious chips crunchy	20	[BLOB - 96.5 KiB]
<input type="checkbox"/>	11	biscuits	10	Food	Sweet biscuits	20	[BLOB - 6.6 KiB]
<input type="checkbox"/>	12	Sweet	400	Food	Delicious yummy sweet	20	[BLOB - 14.7 KiB]
<input type="checkbox"/>	13	chocolate	20	Food	Chocolathy...yummy	50	[BLOB - 72.3 KiB]
<input type="checkbox"/>	14	Coffee	15	Food	heavy coffee beans	20	[BLOB - 114.9 KiB]
<input type="checkbox"/>	15	Jacket	200	Clothes	Light weight product	30	[BLOB - 87.5 KiB]
<input type="checkbox"/>	16	sweater	400	Clothes	tolerate heavy cold weather	28	[BLOB - 53.6 KiB]
<input type="checkbox"/>	17	Cap	50	Clothes	stylish cap	20	[BLOB - 111.8 KiB]
<input type="checkbox"/>	18	Cake	200	Food	Any flavours available	20	[BLOB - 11.1 KiB]
<input type="checkbox"/>	19	Umbrella	100	Clothes	Colorful one	60	[BLOB - 32.6 KiB]
<input type="checkbox"/>	2	tops	300	Clothes	Cotton top	50	[BLOB - 15.7 KiB]
<input type="checkbox"/>	20	TeddyBear	200	Toys	Soft and smooth 3.4 inch teddy	20	[BLOB - 13.7 KiB]
<input type="checkbox"/>	3	Shirt	300	Clothes	Cottonshirt	34	[BLOB - 33.4 KiB]
<input type="checkbox"/>	4	Pant	500	Clothes	Cotton mixed polyster pant	76	[BLOB - 14.9 KiB]
<input type="checkbox"/>	5	Shawl	100	Clothes	Cotton shawl	20	[BLOB - 74.2 KiB]
<input type="checkbox"/>	6	Saree	400	Clothes	Polyster light weight saree	39	[BLOB - 6.5 KiB]
<input type="checkbox"/>	7	CarToy	100	Toys	Playful toy	10	[BLOB - 90.1 KiB]
<input type="checkbox"/>	8	Doll	50	Toys	Barbie doll	9	[BLOB - 15.5 KiB]
<input type="checkbox"/>	9	GunToy	150	Toys	Gun playtoy	20	[BLOB - 10.6 KiB]

Check all With selected: Edit Copy Delete Export

Number of rows: 25 Filter rows: Search this table Sort by key: None

TABLE 3 - CUSTOMER DETAILS

```
MariaDB [bill]> describe customer;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
phoneno	varchar(10)	NO		NULL	
name	varchar(100)	NO		NULL	

3 rows in set (0.001 sec)

```
MariaDB [bill]> select * from customer;
```

id	phoneno	name
1	9876543211	Priya
2	9876543212	Manasa
3	9876543213	Gowtham
4	9876543214	Srisha
5	9876543215	Kajal
6	9876543216	Suresh
7	9876543217	Ramesh
8	9876543218	SasiKumar
9	9876543219	Ramji
10	9876543210	Gowri
11	9876543220	Jairam
12	9876543221	Udai
13	9876543222	Harish
14	9876543223	Ajay
15	9876543224	Tarun
16	9876543225	Pranav
17	9876543226	Yadav
18	9876543227	Yash
19	9876543228	Imrankhan
20	2345678901	Dinesh

```
20 rows in set (0.001 sec)
```

TABLE 4 - SHOPPING DETAILS

```
MariaDB [bill]> describe shopping;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
phoneno	varchar(100)	NO		NULL	
name	varchar(10)	NO		NULL	
details	text	NO		NULL	
mode	varchar(20)	NO		NULL	
biller	varchar(20)	NO		NULL	
datetime	datetime	NO		current_timestamp()	

```
7 rows in set (0.001 sec)
```



```

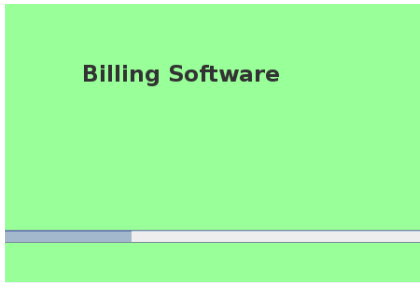
MariaDB [bill]> select * from shopping;
+-----+-----+-----+-----+-----+-----+-----+-----+
| id | phoneno | name | details | mode | biller | datetime |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | 9876543211 | Priya | {1=[10, Chips, 10, Food, 1, 10], 2=[11, biscuits, 10, Food, 1, 10], 3=[12, Sweet, 400, Food, 1, 400]} | Cash | Priya | 2021-04-18 12:56:44 |
| 2 | 9876543212 | Manasa | {1=[6, Saree, 400, Clothes, 1, 400], 2=[1, Leggings, 500, Clothes, 4, 2000]} | Card | Amit | 2021-04-18 12:57:39 |
| 3 | 9876543213 | Gowtham | {1=[12, Sweet, 400, Food, 1, 400]} | Cash | Priya | 2021-04-18 12:58:06 |
| 4 | 9876543214 | Srisha | {1=[5, Shawl, 100, Clothes, 1, 100], 2=[2, tops, 300, Clothes, 1, 300], 3=[1, Leggings, 500, Clothes, 1, 500]} | Cash | Priya | 2021-04-18 12:59:16 |
| 5 | 9876543215 | Kajal | {1=[8, Doll, 50, Toys, 1, 50], 2=[10, Chips, 10, Food, 6, 60]} | Cash | Priya | 2021-04-18 13:00:01 |
| 6 | 9876543216 | Suresh | {1=[4, Pant, 500, Clothes, 1, 500]} | Cash | Priya | 2021-04-18 13:06:12 |
| 7 | 9876543217 | Ramesh | {1=[3, Shirt, 300, Clothes, 4, 1200]} | Card | Amit | 2021-04-18 13:07:47 |
| 8 | 9876543218 | SasiKumar | {2=[9, GunToy, 150, Toys, 1, 150]} | Cash | Priya | 2021-04-18 13:15:50 |
| 9 | 9876543219 | Ramji | {1=[17, Cap, 50, Clothes, 1, 50], 2=[18, Cake, 200, Food, 1, 200]} | Card | Amit | 2021-04-18 13:16:35 |
| 10 | 9876543210 | Gowri | {1=[1, Leggings, 500, Clothes, 1, 500]} | Cash | Priya | 2021-04-18 13:27:03 |
| 11 | 9876543220 | Jairam | {1=[5, Shawl, 100, Clothes, 1, 100], 2=[15, Jacket, 200, Clothes, 1, 200]} | Cash | Priya | 2021-04-18 13:27:55 |
| 13 | 9876543222 | Harish | {1=[7, CarToy, 100, Toys, 1, 100], 2=[9, GunToy, 150, Toys, 4, 600]} | Cash | Priya | 2021-04-18 13:30:41 |
| 14 | 9876543223 | Ajay | {1=[8, Doll, 50, Toys, 1, 50], 2=[2, tops, 300, Clothes, 1, 300]} | Cash | Priya | 2021-04-18 13:31:19 |
| 15 | 9876543224 | Tarun | {1=[8, Doll, 50, Toys, 1, 50]} | Cash | Priya | 2021-04-18 13:32:05 |
| 16 | 9876543225 | Pranav | {1=[9, GunToy, 150, Toys, 1, 150], 2=[12, Sweet, 400, Food, 4, 1600]} | Card | Amit | 2021-04-18 13:32:54 |
| 17 | 9876543226 | Yadav | {1=[9, GunToy, 150, Toys, 3, 450], 2=[7, CarToy, 100, Toys, 1, 100], 3=[1, Leggings, 500, Clothes, 1, 500]} | Card | Amit | 2021-04-18 13:35:04 |
| 18 | 9876543227 | Yash | {1=[9, GunToy, 150, Toys, 1, 150]} | Cash | Priya | 2021-04-18 13:39:51 |
| 19 | 9876543228 | Imrankhan | {1=[19, Umberalla, 100, Clothes, 1, 100]} | Cash | Priya | 2021-04-18 13:40:27 |
| 20 | 9876543212 | Manasa | {1=[2, tops, 300, Clothes, 1, 300], 3=[19, Umberalla, 100, Clothes, 4, 400]} | Cash | Priya | 2021-04-18 18:32:36 |
| 21 | 2345678901 | Dinesh | {1=[2, tops, 300, Clothes, 1, 300], 2=[20, TeddyBear, 200, Toys, 1, 200]} | Cash | Priya | 2021-04-18 18:35:42 |
| 22 | 9876543213 | Gowtham | {1=[1, Leggings, 500, Clothes, 1, 500]} | Card | Amit | 2021-04-19 09:51:01 |
+-----+-----+-----+-----+-----+-----+-----+
22 rows in set (0.001 sec)

```

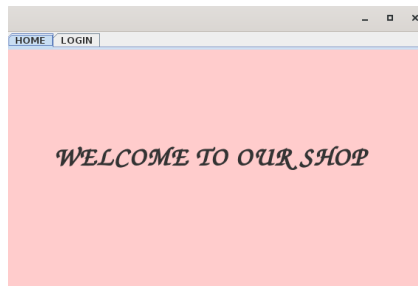
The screenshot shows the phpMyAdmin interface for a database named 'bill'. The 'shopping' table is selected, and its data is displayed in a table view. The table has 22 rows, each representing a shopping bill. The columns are: id, phoneno, name, details, mode, biller, and datetime. The 'details' column contains JSON-like arrays of items and their quantities. The interface includes a navigation sidebar on the left, a top menu with options like 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'Tr'. Below the table, there are options to show all rows, filter rows, and sort by key. The table data is as follows:

id	phoneno	name	details	mode	biller	datetime
1	9876543211	Priya	{1=[10, Chips, 10, Food, 1, 10], 2=[11, biscuits, 10, Food, 1, 10], 3=[12, Sweet, 400, Food, 1, 400]}	Cash	Priya	2021-04-18 12:56:44
2	9876543212	Manasa	{1=[6, Saree, 400, Clothes, 1, 400], 2=[1, Leggings, 500, Clothes, 4, 2000]}	Card	Amit	2021-04-18 12:57:39
3	9876543213	Gowtham	{1=[12, Sweet, 400, Food, 1, 400]}	Cash	Priya	2021-04-18 12:58:06
4	9876543214	Srisha	{1=[5, Shawl, 100, Clothes, 1, 100], 2=[2, tops, 300, Clothes, 1, 300], 3=[1, Leggings, 500, Clothes, 1, 500]}	Cash	Priya	2021-04-18 12:59:16
5	9876543215	Kajal	{1=[8, Doll, 50, Toys, 1, 50], 2=[10, Chips, 10, Food, 6, 60]}	Cash	Priya	2021-04-18 13:00:01
6	9876543216	Suresh	{1=[4, Pant, 500, Clothes, 1, 500]}	Cash	Priya	2021-04-18 13:06:12
7	9876543217	Ramesh	{1=[3, Shirt, 300, Clothes, 4, 1200]}	Card	Amit	2021-04-18 13:07:47
8	9876543218	SasiKumar	{2=[9, GunToy, 150, Toys, 1, 150]}	Cash	Priya	2021-04-18 13:15:50
9	9876543219	Ramji	{1=[17, Cap, 50, Clothes, 1, 50], 2=[18, Cake, 200, Food, 1, 200]}	Card	Amit	2021-04-18 13:16:35
10	9876543210	Gowri	{1=[1, Leggings, 500, Clothes, 1, 500]}	Cash	Priya	2021-04-18 13:27:03
11	9876543220	Jairam	{1=[5, Shawl, 100, Clothes, 1, 100], 2=[15, Jacket, 200, Clothes, 1, 200]}	Cash	Priya	2021-04-18 13:27:55
13	9876543222	Harish	{1=[7, CarToy, 100, Toys, 1, 100], 2=[9, GunToy, 150, Toys, 4, 600]}	Cash	Priya	2021-04-18 13:30:41
14	9876543223	Ajay	{1=[8, Doll, 50, Toys, 1, 50], 2=[2, tops, 300, Clothes, 1, 300]}	Cash	Priya	2021-04-18 13:31:19
15	9876543224	Tarun	{1=[8, Doll, 50, Toys, 1, 50]}	Cash	Priya	2021-04-18 13:32:05
16	9876543225	Pranav	{1=[9, GunToy, 150, Toys, 1, 150], 2=[12, Sweet, 400, Food, 4, 1600]}	Card	Amit	2021-04-18 13:32:54
17	9876543226	Yadav	{1=[9, GunToy, 150, Toys, 3, 450], 2=[7, CarToy, 100, Toys, 1, 100], 3=[1, Leggings, 500, Clothes, 1, 500]}	Card	Amit	2021-04-18 13:35:04
18	9876543227	Yash	{1=[9, GunToy, 150, Toys, 1, 150]}	Cash	Priya	2021-04-18 13:39:51
19	9876543228	Imrankhan	{1=[19, Umberalla, 100, Clothes, 1, 100]}	Cash	Priya	2021-04-18 13:40:27
20	9876543212	Manasa	{1=[2, tops, 300, Clothes, 1, 300], 3=[19, Umberalla, 100, Clothes, 4, 400]}	Cash	Priya	2021-04-18 18:32:36
21	2345678901	Dinesh	{1=[2, tops, 300, Clothes, 1, 300], 2=[20, TeddyBear, 200, Toys, 1, 200]}	Cash	Priya	2021-04-18 18:35:42
22	9876543213	Gowtham	{1=[1, Leggings, 500, Clothes, 1, 500]}	Card	Amit	2021-04-19 09:51:01

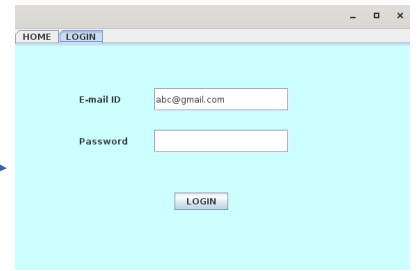
START



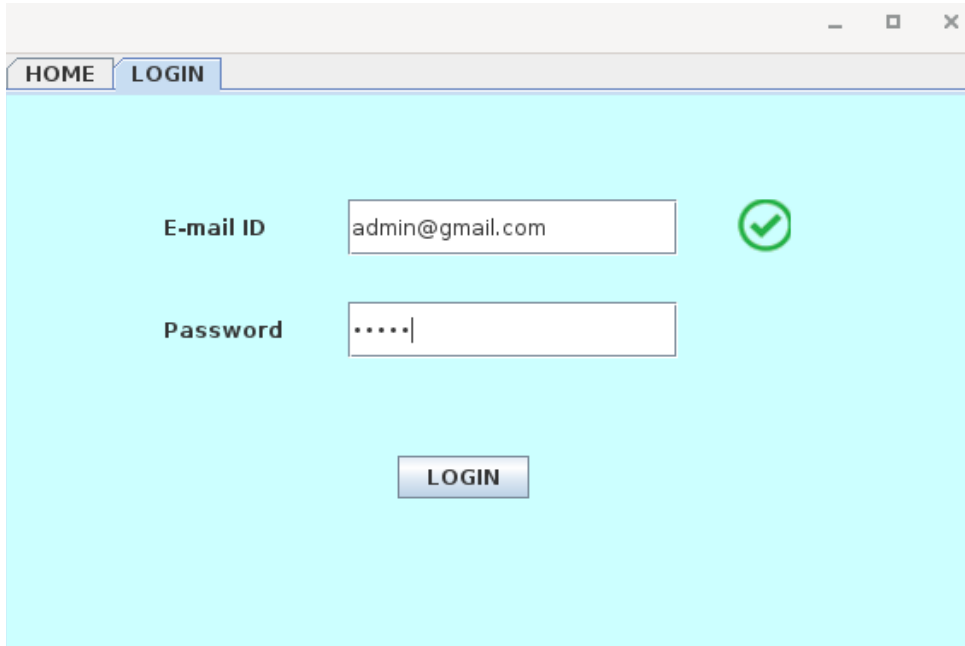
HOME



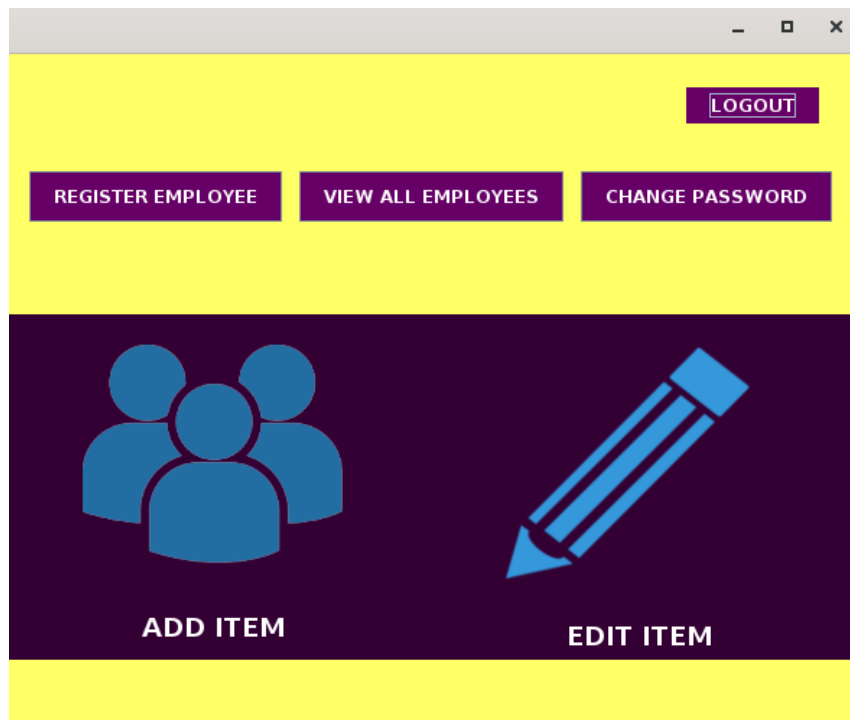
LOGIN



LOGIN FRAME



ADMIN



REGISTER EMPLOYEE

BACK

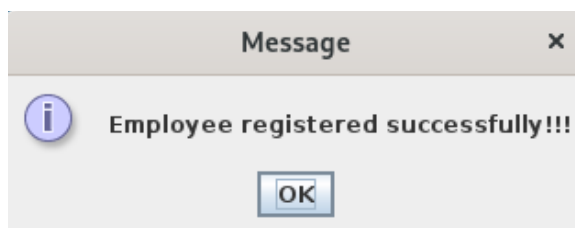
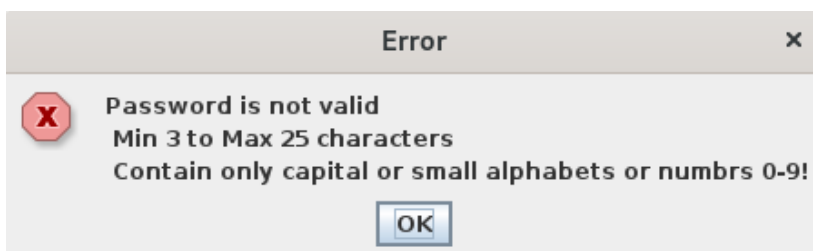
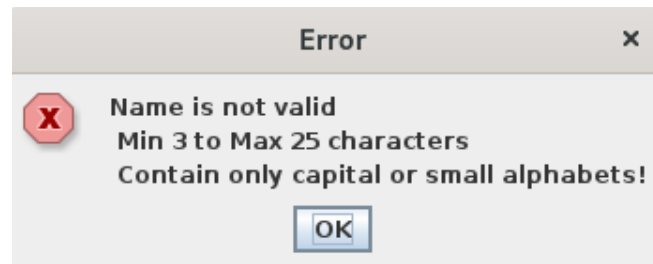
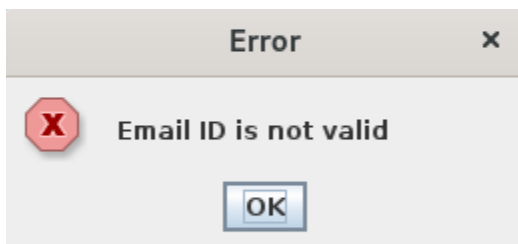
NAME : Sasi

EMAIL ID : Sasi@gmail.com
Email Id already registered!!!

PASSWORD :

PHONE NO:

REGISTER



VIEW ALL EMPLOYEES

BACK

Name	Email ID	Password	Phone no
Kumar	kumar@gmail.com	Kumar	1234567891
Sasi	Sasi@gmail.com	sasi	1234567892
Ram	Ram@gmail.com	ram	1234567893
Gopi	Gopi@gmail.com	gopi	1234567894
Amit	Amit@gmail.com	amit	1234567895
Latha	Latha@gmail.com	latha	1234567896
Tharun	Tharun@gmail.com	tharun	1234567897
Akshay	Akshay@gmail.com	akshay	1234567898
Charu	Charu@gmail.com	charu	1234567899
Hari	Hari@gmail.com	hari	1234567880
Faran	Faran@gmail.com	faran	1234567881
Yash	Yash@gmail.com	yash	1234567882
Priya	Priya@gmail.com	priya	1234567883
Ashwin	Ashwin@gmail.com	ashwini	1234567884
Ravirao	Ravi@gmail.com	ravi	1234567885
Bavya	Bavya@gmail.com	bavya	1234567886
Geetha	Geetha@gmail.com	geetha	1234567887
Uvaraj	Uvaraj@gmail.com	uvaraj	1234567888
Sameeksha	sameeksha@gmail...	sameeksha	1234567834

CHANGE ADMIN PASSWORD

BACK

OLD PASSWORD :

NEW PASSWORD :

NEW CONFIRM PASSWORD :

CHANGE PASSWORD

BACK

OLD PASSWORD :

Error

✖ Password is not valid
Min 3 to Max 25 characters
Contain only capital or small alphabets or numbrs 0-9!

OK

NEW CONFIRM PASSWORD :

CHANGE PASSWORD

BACK

OLD PASSWORD :

Error

✖ Old password didn't matched

OK

NEW CONFIRM PASSWORD :

CHANGE PASSWORD

BACK

OLD PASSWORD :

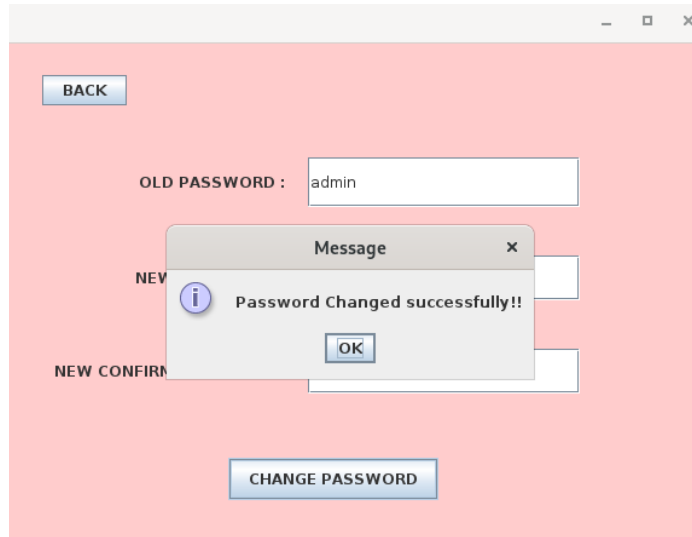
Error

✖ New password didn't matched

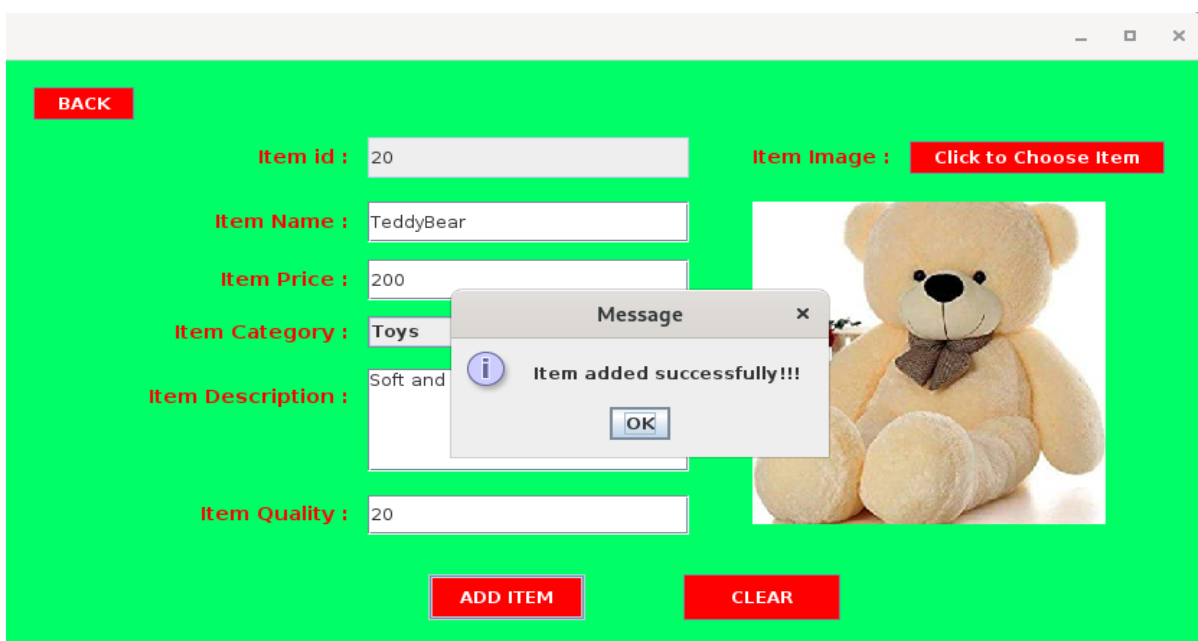
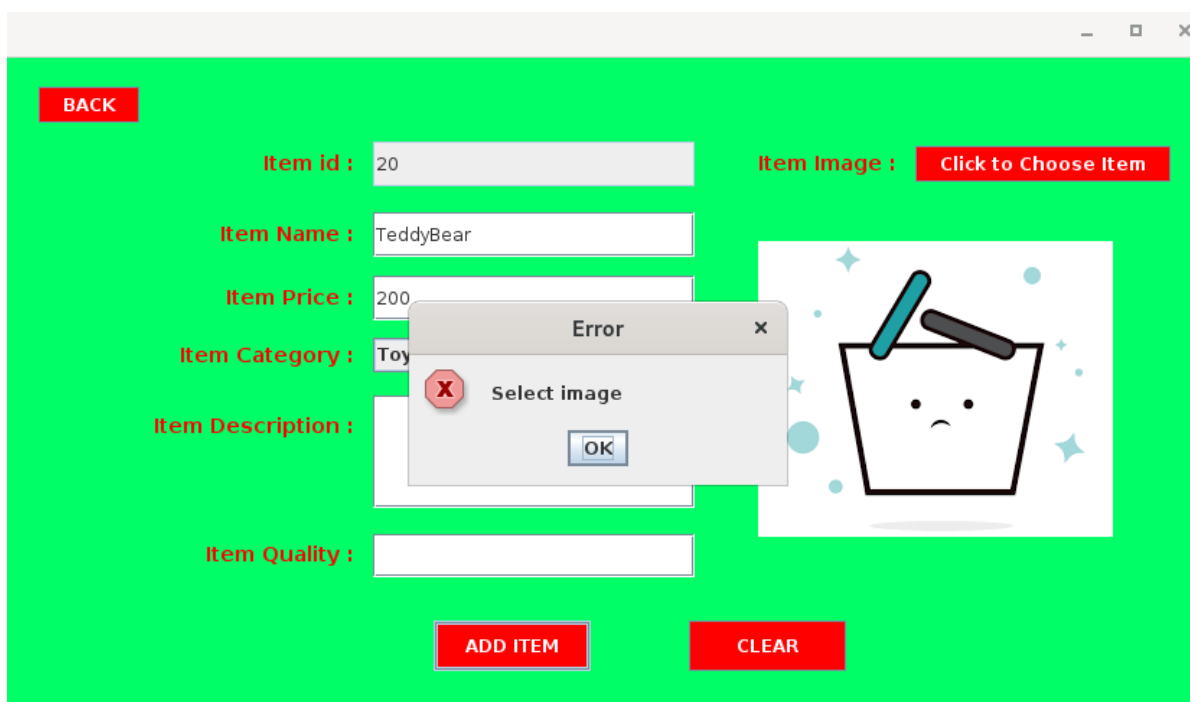
OK

NEW CONFIRM PASSWORD :

CHANGE PASSWORD



ADD ITEM



EDIT ITEM

The screenshot shows a web application interface for editing an item. On the left, there is a table with columns: S.No, Item id, Item name, and Item price. The table contains 20 rows of data. A yellow 'BACK' button is located above the table. To the right of the table is a form for editing item details, including fields for Item Name, Item Price, Item Category (a dropdown menu), Item Description, and Item Quality. Below the form is a yellow button labeled 'Click to Choose Item' and a small image of a doll. At the bottom right of the form area is a yellow 'UPDATE' button. A modal dialog box titled 'Message' is displayed in the center, containing the text 'Updated item details successfully!!' and an 'OK' button.

S.No	Item id	Item name	Item price
1	1	Leggings	500
2	2	tops	300
3	3	Shirt	300
4	4	Pant	500
5	5	Shawl	100
6	6	Saree	400
7	7	CarToy	100
8	8	Doll	50
9	9	GunToy	150
10	10	Chips	10
11	11		
12	12		
13	13		
14	14		
15	15		
16	16		
17	17		
18	18		
19	19	Umberalla	100
20	20	TeddyBear	200

Item Name : Doll
Item Price : 50
Item Category : Toys
Item Description : Barbie doll
Item Quality : 9
Item Image : Click to Choose Item
UPDATE

Message
Updated item details successfully!!
OK

EMPLOYEE DETAILS

The screenshot shows a web application interface for employee details. The background is purple. At the top left, there is a welcome message: 'Welcome : Sasi'. At the top right, there is a yellow 'LOGOUT' button. In the center, there are three yellow buttons stacked vertically: 'MY PROFILE', 'CHANGE PASSWORD', and 'START BILLING'.

Welcome : Sasi
LOGOUT
MY PROFILE
CHANGE PASSWORD
START BILLING

EDIT PROFILE

A screenshot of a web application window titled "MY PROFILE". In the top left corner, there is a "BACK" button. In the top right corner, there is a blue pencil icon. The form contains three input fields: "NAME : Sasi", "EMAIL ID : asi@gmail.com", and "PHONE NO : 1234567892".

A screenshot of the same "MY PROFILE" form. At the bottom, there are two buttons: "UPDATE PROFILE" and "CANCEL".

An "Error" dialog box with a red 'X' icon. The text reads: "Phoneno is not valid Should have 10 characters Contain only numbers 0-9". There is an "OK" button at the bottom.

A "Message" dialog box with an information 'i' icon. The text reads: "Phone no Changed successfully!!". There is an "OK" button at the bottom.

CHANGE EMPLOYEE PASSWORD

A screenshot of a web application window titled "CHANGE EMPLOYEE PASSWORD". The background is blue. In the top left, there is a "BACK" button. The form has three input fields: "OLD PASSWORD : Sasi", "NEW PASSWORD : isas", and "NEW CONFIRM PASSWORD : isas". At the bottom, there is a "CHANGE PASSWORD" button. A "Message" dialog box is overlaid on top, displaying "Password Changed successfully!!" with an "OK" button.

BILLING

BACK

Item id :

Item id not available

Item Name : _____

Item Price : _____


Item Category : _____

Item Description : _____

Item Quality :

TOTAL PRICE : _____

ADD TO CART **CLEAR** **NEXT**



BACK

Item id :

Item Name : tops

Item Price : 300


Item Category : _____

Item Description : _____

Item Quality : _____

TOTAL PRICE : 300

ADD TO CART **CLEAR** **NEXT**



Message x

i Item added to cart!

OK

CART

BACK

S.No	Item_ID	Item_name	Item_price	Category	Quantity	Total price
1	2	tops	300	Clothes	1	300
2	7	CarToy	100	Toys	1	100
3	19	Umberalla	100	Clothes	1	100

Error

Select Item!

QUANTITY :

TOTAL AMOUNT : 500

BACK

S.No	Item_ID	Item_name	Item_price	Category	Quantity	Total price
1	2	tops	300	Clothes	1	300
2	7	CarToy	100	Toys	1	100
3	19	Umberalla	100	Clothes	1	100

Select an Option

Are you sure you want to update?

QUANTITY :

TOTAL AMOUNT : 500

BACK

S.No	Item_ID	Item_name	Item_price	Category	Quantity	Total price
1	2	tops	300	Clothes	1	300
2	7	CarToy	100	Toys	1	100
3	19	Umberalla	100	Clothes	4	400

Select an Option

Are you sure you want to delete this item

QUANTITY :

TOTAL AMOUNT : 800

PAYMENT

BACK

CUSTOMER PHONE NO : 2345678901

CUSTOMER NAME : Dinesh

TOTAL BILL : 500

Cash

S.No	Item id	Item N...	Price	Categ...	Quantity	Total ...
1	2	tops	300	Clothes	1	300
2	20	Teddy...	200	Toys	1	200

Message



Thank you for shopping....Visit again

OK

BILLING

Error



Enter customer details!

OK

Error



Phoneno is not valid
Should have 10 characters
Contain only numbers 0-9

OK

Message



Customer data inserted!

OK

Error



Name is not valid
Min 3 to Max 25 characters
Contain only capital or small alphabets!

OK

Message



Customer already visited!

OK

RESULT

The above mini-project to demonstrate billing management system with database connectivity using java swing executed successfully and output is verified.