

# MALL MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the Internal Continuous Assessment in the Subject "Object Oriented Programming" in Second Year MBATech (Information Technology) Semester-IV

Submitted To  
Dr. N. S.Choubey



SVKM's NMIMS,  
Mukesh Patel School of Technology Management & Engineering,  
Shirpur Campus (M.H.)

Submitted By:  
Candidate Name -Aditya Shetty  
Enrollment No – 70411118034  
Candidate Name -Kunal Verma  
Enrollment No – 70461118047  
Candidate Name -Nisarg Chudasama  
Enrollment No –70411117028  
Candidate Name-Sudhanshu Singh  
Enrollment No – 70411117037

Under The Supervision Of:  
Dr. N. S. Choubey  
(HOD of IT department)

DEPARTMENT OF INFORMATION TECHNOLOGY  
Mukesh Patel School of Technology Management & Engineering

SESSION: 2019-20

CERTIFICATE

This is to certify that the work embodies in this Mini-Project entitled  
"Mall Management System" being submitted by

"Aditya Shetty" (I230)

"Kunal Verma" (K244)

"Nisarg Chudasama" (I248)

"Sudhanshu Singh" (I246)

.....

.....

.....

for the Internal Continuous Assessment in the Subject "Object Oriented  
Programming" in Second Year MBATech (Information Technology)  
Semester-IV during the academic year 2019-20 at "Department of  
Information Technology", MPSTME, Shirpur (M.H.).

APPROVED & SUPERVISED BY:

Dr. N. S. Choubey (IT, HOD)

FORWARDED BY

(Dr. N. S. Choubey)

H.O.D., IT

MPSTME, Shirpur Campus

DEPARTMENT OF Information Technology  
Mukesh Patel School of Technology Management & Engineering

---

## DECLARATION

We,

Aditya Shetty

Kunal Verma

Nisarg Chudasama

Sudhanshu Singh

The students of MBATech.(Information Technology) Second Year, Session: 2019- 20, MPSTME, Shirpur Campus, hereby declare that the work presented in this Project entitled "Mall Management System" is the outcome of our work, is bonafide and correct to the best of our knowledge and this work has been carried out taking care of Engineering Ethics. The work presented does not infringe any patented work and has not been submitted to any other university or anywhere else for the award of any degree or any professional diploma.

Aditya Shetty

(Student Name with Signature)

SAP ID.: 70411118034

Kunal Verma

(Student Name with Signature)

SAP ID.: 70461118047

Nisarg Chudasama

(Student Name with Signature)

SAP ID.: 70011117028

Sudhanshu Singh

(Student Name with Signature)

SAP ID.: 70011117037

Date: 26/03/2020

---

DEPARTMENT OF INFORMATION TECHNOLOGY  
Mukesh Patel School of Technology Management & Engineering

## ACKNOWLEDGEMENT

After the completion of this Mini-Project work, words are not enough to express my feelings about all those who helped me to reach my goal; feeling above this is my indebtedness to The Almighty for providing me this moment in life.

It's a great pleasure and moment of immense satisfaction for me to express my profound gratitude to Prof. N. S. Choubey, HOD, Information Technology Department, MPSTME, Shirpur, whose constant encouragement enabled me to work enthusiastically. Their perpetual motivation, patience and excellent expertise in discussion during progress of the project work have benefited me to an extent, which is beyond expression. Their depth and breadth of knowledge in the field made me realize that theoretical knowledge always helps to develop efficient operational software, which is a blend of all core subjects of the field. I am highly indebted to them for their invaluable guidance and ever-ready support in the successful completion of this project in time. Working under their guidance has been a fruitful and unforgettable experience.

We express my sincere thanks and gratitude to Dr. N. S. Choubey, Head of Department, Information Technology Department, MPSTME, Shirpur, for providing necessary infrastructure and help to complete the project work successfully.

We also extend my deepest gratitude to Dr. R.S. Gaud, Director, Shirpur Campus and Dr. Nikhlesh Kumar Sharma, Director (Engineering Programs), Shirpur Campus for providing all the necessary facilities and true encouraging environment to bring out the best of my endeavors.

We would like to acknowledge all my friends, who have contributed directly or indirectly in this Mini Project work.

The successful completion of a Mini Project is generally not an individual effort. It is an outcome of the cumulative effort of a number of persons, each having their own importance to the objective. This section is a vote of thanks and gratitude towards all those persons who have directly or indirectly contributed in their own special way towards the completion of this project.

Aditya Shetty  
Kunal Verma  
Nisarg Chudasama  
Sudhanshu Singh

---

## TABLE OF CONTENTS

Sr. No.		Chapter No.	Page
1.		Introduction	5
2.		Problem Statement	5
3.		Objectives	6
4.		Project Description	7
5.		Class Diagram	8
6.		Test Cases	9
7.		Source Code	15
8.		Output/ Screen	37
9.		User Manual	59
10.		Conclusion	61
11.		References	61

### LIST OF FIGURES

Sr. No.		Figures	Page
1.		Class Diagram	8

### LIST OF TABLES

Sr. No.		Figures	Page
1.		Detailed view	9
2.		Admin description	11
3.		Shop owner description	13

---

## **Introduction:**

The project is on the topic Mall Management System. The menu driven program based on the concept of Object Oriented Programming has made mall management system simpler and easier. The system is easy and moreover does not have too much application usage in it. By this system you can access into the mall information and browse into the mall. Main Objective of this mall Management System is to have an easy access into the mall administration area, mall shop owner area or Customer related area of access in the mall management system. It includes employee details, inventory management details, shop list, shop details, overview of the shop, different access to different shops and their respective shop owner whose shop accountancy need to be maintained. All though mall management system shown in our project is easy and not so heavy use of application yet efficient at a modular level of management system. By this project we will be motivated and try our level best to work more on this topic and by learning from this project we will try create a project with much more utilities and resources included in future.

## **Problem Statement**

Although the mall is named Palladium the name depicts and suggests that the mall is big And well renowned enough to reach to a larger audience. But the management of the Mall was questioned as it suffered a great loss. Because of which it was much of a Necessity for maintaining the records and everything else. This mall management System will solve the earlier problems of:

- 1) Unorganized data entries.
- 2) Authentication problems.
- 3) Unaware of the shops and details
- 4) Inventory and Stock maintenance
- 5) Each and every Employment details.

By this Mall Management System we will overcome these problems and respective Persons will have respective advantages over these problems.

### **ADMIN:**

- 1) LOGIN FUNCTIONALITY
- 2) EMPLOYEE MANAGEMENT
- 3) SHOP MANAGEMENT

### **SHOP OWNER:**

- 1) SHOP EMPLOYEE MANAGEMENT
- 2) INVENTORY MANAGEMENT

### **CUSTOMERS:**

- 1) SHOP DETAILS
- 2) MALL DESCRIPTION
- 3) SHOP LIST

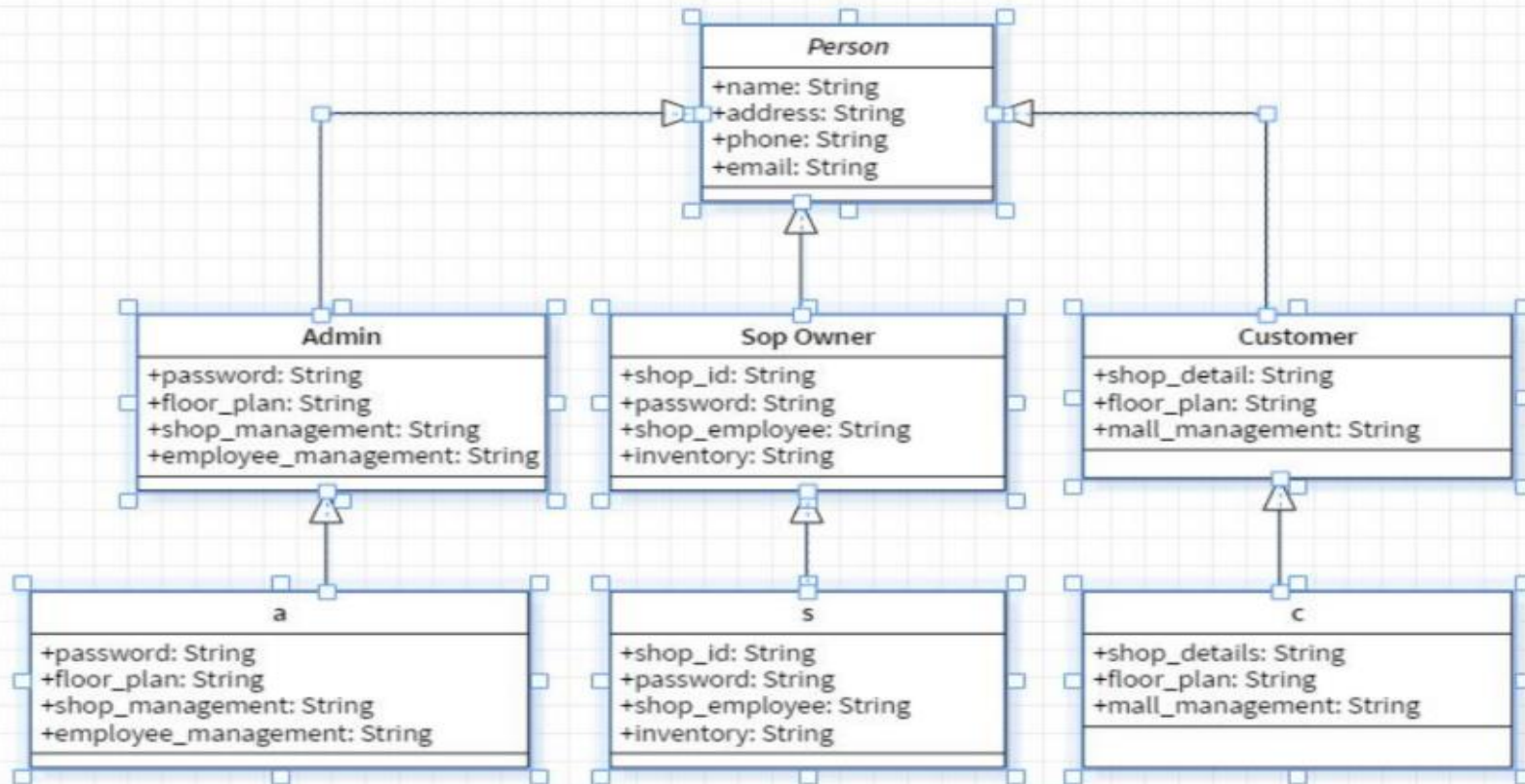
## **Objectives:**

- 1) Differentiate persons through login functionality
- 2) Display list of shops in the mall
- 3) Display Shop Inventory
- 4) Display Mall Employee
- 5) Display Shop Employee
- 6) Maintain record of the data

## **Project Description:**

Our MALL Management project which can be used to manage activities like shop information, mall information, mall employees, shop employees, shop inventories, shop layout . It is a menu driven program and it executes according to the users selection. In our project we have used the concept of reading from file i.e File Handling . We have used employee details individual shop details and ten shops all of them having their respective employee details which are stored in one .txt file starting from shop number one to shop number ten. Similarly we have created ten files to store inventory details which has inventory number, inventory name and inventory quantity in it . Many other data that is the data required by administrator of the entire mall is also stored in the form of file format. Exception handling is properly done to deal with any kind of unexpected exception. Writing of file has been done in a separate thread as it can be done parallelly. Userdefined exception is also thrown in admin and shop owner classes.

## Class Diagram:





## Test Cases:

Module Name	Detailed view of project						
Created By	Aditya Shetty	Kunal Verma	Sudhanshu Singh	Nisarg Chudasama			
Creation Date	03-21-2020						
Reviewed By	DR. N.S CHOUBEY SIR						
Reviewed Date							
Test Scenerio Id	Test Scenerio Description	Test Case Id	Test Case Description	Test Steps	Preconditions	Post Condition	Expected Result
Test 01	Person Details	Test 01_1	Verify Select Button Functionality	Type 1		The person has to select the role that he is playing in the mall management System	The list of menu will show the role of person
Test 01-1	Types of person details	Test 01_1_1	If the person select first from the list	Type 1	The choice of person must be selected from the list	User has to enter the first option to see the details of the person as Admin	The menu displays the details of the Admin and asks the user to choose from the further options under Admin
		Test 01_1_2	If the person select second from the list	Type 2	The choice of person must be selected from the list	User has to enter the first option to see the details of the person as Shop Owner	The menu displays the details of the Shop Owner and asks the user to choose from the further options under shop owner
		Test 01_1_3	If the person select third from the list	Type 3	The choice of person must be selected from the list	User has to enter the first option to see the details of the person as Customer	The menu displays the details of the Admin and asks the user to choose from the further options under Customer

Actual Result	Status	Executed By	Executed Date	Comments
The list of menu will show the role of person	PASS	ADITYA SHETTY	21-03-2020	
The menu displays the details of the Admin and asks the user to choose from the further options under Admin	PASS	ADITYA SHETTY	21-03-2020	
The menu displays the details of the Shop Owner and asks the user to choose from the further options under shop owner				
The menu displays the details of the Admin and asks the user to choose from the further options under Customer				

Project Name	Mail Management System						
Module Name	Detailed view of project						
Created By	Aditya Shetty	Kunal Verma	Sudhanshu Singh	Nisarg Chudasama			
Creation Date	03-21-2020						
Reviewed By	DR. N.S CHOUBEY SIR						
Reviewed Date							
Test Scenario Id	Test Scenario Description	Test Case Id	Test Case Description	Test Steps	Preconditions	Post Condition	Expected Result

Test 02	Display Admin information	Test 02_1	Select button function	Type 1			The menu displays floor plan of the mall
Test 02-1	Floor Plan details	Test 02_1_1	If input is 0	Type 1	The choice of Floor may be selected	User has to enter input as 0 to see the floor plan of ground floor	The menu displays the ground floor plan of the mall
		Test 02_1_2	If input is 1	Type 2	The choice of Floor may be selected	User has to enter input as 1 to see the floor plan of first floor	The menu displays the first floor plan of the mall
		Test 02_1_3	If input is 2	Type 3	The choice of Floor may be selected	User has to enter input as 2 to see the floor plan of second floor	The menu displays the second floor plan of the mall
		Test 02_1_4	If input is 3	Type 4	The choice of Floor may be selected	User has to enter input as 3 to see the floor plan of third floor	The menu displays the third floor plan of the mall
		Test 02_1_5	If input is 4	Type 5	The choice of Floor may be selected	If user enters any number except 0 to 3, then the floor extended limit will display	The menu displays the floor limit is extended
Test 02_2	Employee management	Test 02_2_1	If input is 1	Type 1	The choice for employee management	User has to enter input as 1 to Add employee for mall	The menu adds the new employee of the mall
		Test 02_2_2	If input is 2	Type 2	The choice for employee management	User has to enter input as 2 to Remove employee for mall	The menu removes the previous employee of the mall in the data
		Test 02_2_3	If input is 3	Type 3	The choice for employee management	User has to enter input as 3 to show employee details for mall	The menu shows the list of employee in the mall
		Test 02_2_4	If input is other than 1 to 3	Type any number except numbers 1/2/3	The choice of other admin options	User has to type any number except numbers between 1 to 3 as an input.	The menu will take input of the details and will go back to admin menu.
Test 02_3	Shop Management	Test 02_3_1	If input is 1	Type 1	The choice for shop management may be selected	User has to enter input as 1 to Add new shop in the mall mall	The menu adds the new shop inside the mall and it will ask if more shops are to be added
		Test 02_3_2	If input is 2	Type 2	The choice for shop management may be selected	User has to enter input as 2 to Remove shop from mall	The menu removes the previous shop inside the mall and it will ask if more shops are to be removed
		Test 02_3_3	If input is 3	Type 3	The choice for shop management may be selected	User has to enter input as 3 to show current shop list in the mall	The menu shows the brief outline of shops inside the mall
		Test 02_3_4	If input is other than 1 to 3	Type any number except numbers 1/2/3	The choice of other admin options	User has to type any number except numbers between 1 to 3 as an input.	The menu will take input of the details and will go back to admin menu.

Actual Result	Status	Executed By	Executed Date	Comments
The menu displays floor plan of the mall	PASS	KUNAL VERMA	21-03-2020	
The menu displays the ground floor plan of the mall	PASS	KUNAL VERMA	21-03-2020	
The menu displays the first floor plan of the mall				
The menu displays the second floor plan of the mall				
The menu displays the third floor plan of the mall				
The menu displays the floor limit is extended				
The menu adds the new employee of the mall	PASS	ADITYA SHETTY	21-03-2020	
The menu removes the previous employee of the mall in the data				
The menu shows the list of employee in the mall				
The menu will take input of the details and will go back to admin menu.				
The menu adds the new shop inside the mall and it will ask if more shops are to be added	PASS	KUNAL VERMA	21-03-2020	
The menu removes the previous shop inside the mall and it will ask if more shops are to be				
The menu shows the brief outline of shops inside the mall				
The menu will take input of the details and will go back to admin menu.				

Project Name	Mall Management System						
Module Name	Detailed view of project						
Created By	Aditya Shetty	Kunal Verma	Sudhanshu Singh	Nisarg Chudasama			
Creation Date	03-21-2020						
Reviewed By	DR. N.S CHOUBEY SIR						
Reviewed Date							
Test Scenerio Id	Test Scenerio Description	Test Case Id	Test Case Description	Test Steps	Preconditions	Post Condition	Expected Result
Test 03	Display Shopowner information	Test 03_1	Select button function	Type 2			The menu will be shown for shopowner
Test 03_1	Employee management	Test 03_1_1	If input is 1	Type 1	The choice for employee	User has to enter input as 1 to Add employee for shop in mall	The menu adds the new employee of the mall
		Test 03_1_2	If input is 2	Type 2	The choice for employee	User has to enter input as 2 to Remove employee for shop in mall	The menu removes the previous employee of the mall in the data
		Test 03_1_3	If input is 3	Type 3	The choice for employee management	User has to enter input as 3 to show employee for shop in mall	The menu shows the list of employee in the mall
		Test 03_1_4	If input is other than 1 to 3	Type any number except numbers 1/2/3	The choice of other admin options	User has to type any number except numbers between 1 to 3 as an input.	The menu will take input of the details and will go back to admin menu.
Test 03_2	Inventory Management	Test 03_2_1	If input 1	Type 1	The choice for inventory status	User has to enter input as 1 to increase inventory of shop in mall	The menu will show the inventory information about the shop
		Test 03_2_2	If input 2	Type 2	The choice for inventory status	User has to enter input as 2 to decrease inventory of shop in mall	The menu will show the inventory information about the shop
		Test 03_2_3	If input 3	Type 3	The choice for inventory status	User has to enter input as 3 to show inventory details of the shop	The menu will show the inventory information about the shop
Test 04	Display Customer information	Test 04_1	Select button function	Type 3			The menu will be shown for Customer
Test 04_1	Mall Description	Test 04_1_1	If input is 1	Type 1	The choice for Mall Description	User has to enter input as 1 to know the details about the mall	The menu will show the complete detailed information about the mall customers point of view
Test 04_2	Mall Parking information	Test 04_2_1	If input is 1	Type 1	The choice for Mall Parking Description	User has to enter input as 1 to know the vehicle capacity and number of bikes and cars which can be accomodated	The menu will show the information about vehicle capacity
		Test 04_2_2	If input is 2	Type 2	The choice for Mall Parking Description	User has to enter input as 2 to know the parking plan floorwise	The menu will show the information about parking plan
Test 04_3	Shop description	Test 04_3	If input is 1	Type 1	The choice for shop selection	User has to enter input as 1 to know the shops in the mall	The menu will show the information about shop floorwise

Actual Result		Status	Executed By	Executed Date	Comments
The menu will be shown for shopowner		PASS	SUDHANSHU SINGH	21-03-2020	
The menu adds the new employee of the mall		PASS	SUDHANSHU SINGH	21-03-2020	
The menu removes the previous employee of the					
The menu shows the list of employee in the mall					
The menu will take input of the details and will go back to admin menu.					
menu will show the inventory information about the s		PASS	ADITYA SHETTY	21-03-2020	
menu will show the inventory information about the s					
menu will show the inventory information about the s					
The menu will be shown for Customer		PASS	NISARG CHUDASAMA	21-03-2020	
The menu will show the complete detailed information about the mall customers point of view		PASS	NISARG CHUDASAMA	21-03-2020	
The menu will show the information about shop floorwise		PASS	NISARG CHUDASAMA	21-03-2020	

## **SOURCE CODE:**

```
import java.io.*;
import java.awt.image.BufferedImage;
import javax.imageio.ImageIO;
import java.util.*;

//main class

class FinalTest1{
public static void main(String[] args) throws Exception
{
int l,i,p,q;
Scanner d= new Scanner(System.in);
System.out.println("\nWelcome to PALLADIUM MALL MANAGEMENT
SYSTEM!!");
System.out.println("^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^");
p1 o1 =new p1();
a11 oo1= new a11();
p1 o2 = new p1();
s1 oo2= new s1();
p1 o3= new p1();
c1 oo3= new c1();

do{
System.out.println("SELECT ANY ONE \n1.Admin \n2.Shop Owner
\n3.Customer");
l=d.nextInt();
switch(l)
{
case 1: p=o1.person_details(1);
if(p==1)
{
System.out.println("LOGIN SUCCESS!!!! \n*****WELCOME
ADMIN*****");
oo1.select();
}
else{
System.out.println("***Incorrect Username or Password***");
}
break;
```

```

case 2: q=o2.person_details(2);
    if(q<10 && q>-1)
    {
        System.out.println("LOGIN SUCCESS!!!! \n*****WELCOME SHOP
OWNER*****");
        oo2.select(q);
    }
    else{
        System.out.println("***Incorrect Username or Password***");
    }
    break;

case 3: o3.person_details(3);
    System.out.println("*****WELCOME CUSTOMER !!*****");
    oo3.select();
    break;

default : System.out.println("Enter valid option");
}
System.out.println("Press 1 to Retry!!!");
i=d.nextInt();
}while(i==1);

}
}
//main class end

//person class
abstract class person{
abstract int person_details(int u) throws Exception ;
}

class p1 extends person {
String name,email,address,phone_no;
int q1=-1,i,j;
int person_details(int u) throws Exception
{

```



```

String usa,pwa,uss,pws;
Scanner sc=new Scanner(System.in);

System.out.println("Enter Name");
name=sc.nextLine();

System.out.println("Enter Email ID");
email=sc.nextLine();

System.out.println("Enter Address");
address=sc.nextLine();

System.out.println("Enter Phone_no");
phone_no=sc.nextLine();

//login for admin
if(u==1)
{
    System.out.println("Enter username :");
    usa=sc.nextLine();
    System.out.println("Enter password :");
    pwa=sc.nextLine();

    File file = new File("C:\\Users\\HP\\Desktop\\project\\admin_up.txt");
    Scanner g =new Scanner(file);

    String[] c =new String[5];
    i=0;

    while(g.hasNextLine())
    {
        c[i]=g.nextLine();
        i++;
    }

    //System.out.println("c[0]="+c[0]+"length"+c[0].length());
    // System.out.println("c[1]="+c[1]+"length"+c[1].length());
    // System.out.println("usa="+usa+"length"+usa.length());
    //System.out.println("pwa="+pwa+"length"+pwa.length());

    if((c[0].compareTo(usa)==0) && (c[1].compareTo(pwa)==0) )
    {q1= 1;
    }
    else
    {
        q1= 0;
    }
}

```

```

    }
    //end of login for admin

    //login for shop owners
    if(u==2)
    {

        System.out.println("Enter username :");
        uss=sc.nextLine();
        System.out.println("Enter password :");
        pws=sc.nextLine();

        File file = new
        File("C:\\Users\\HP\\Desktop\\project\\shop_owner_up.txt");
        Scanner h =new Scanner(file);

        String[][] r = new String[10][2];
        i=0;j=0;

        for(i=0;i<10;i++)
        {
            for(j=0;j<2;j++)
            {
                r[i][j]=h.nextLine();
            }
        }

        for(i=0;i<10;i++)
        {
            if( (uss.compareTo(r[i][0])==0) && (pws.compareTo(r[i][1])==0) )
            {
                q1=i;
            }
        }

    } //if close


    //System.out.println("q1="+q1);
    return q1;
}
}

// person class end

```

```
//admin class
```

```
abstract class admin{  
    abstract void floor_plan() throws Exception;  
    abstract void shop_mngmt() throws Exception;  
    abstract void emp_mngmt()throws Exception;  
}
```

```
class a11 extends admin{
```

```
    int i,j;  
    void select() throws Exception  
    {  
        System.out.println("SELECT OPTION\n1.Floor plan \n2.Shop management  
\n3.Employee management");  
        Scanner iv = new Scanner(System.in);  
        int n =iv.nextInt();  
        switch(n)  
        {  
            case 1 : floor_plan();  
                break;  
            case 2 : shop_mngmt();  
                break;  
            case 3 : emp_mngmt();  
                break;  
            default : System.out.println("please enter correct choice");  
        }  
    }  
}
```

```
    void floor_plan() throws Exception  
    {  
        int f1,i,j;  
        Scanner sc= new Scanner(System.in);  
        System.out.println("Enter floor number ");  
        f1=sc.nextInt();  
  
        switch(f1)  
        {  
            case 1: int width1 = 963;  
                int height1 = 640;  
  
                BufferedImage image = null;
```

```
try
{
    File input_file1 = new
File("C:\\Users\\HP\\Desktop\\project\\1st_floor.txt");

    image = new BufferedImage(width1, height1,
        BufferedImage.TYPE_INT_ARGB);

    image = ImageIO.read(input_file1);

    System.out.println(" Floor plan for 1st floor");
}
catch(IOException e)
{
    System.out.println("Error: "+e);
}
break;
case 2: int width2 = 963;
int height2 = 640;

BufferedImage image1 = null;

try
{
    File input_file2 = new
File("C:\\Users\\HP\\Desktop\\project\\2nd_floor.txt");

    image1 = new BufferedImage(width2, height2,
        BufferedImage.TYPE_INT_ARGB);

    image1 = ImageIO.read(input_file2);

    System.out.println(" Floor plan for 2nd floor");
}
catch(IOException e)
{
    System.out.println("Error: "+e);
}
```

```

        break;
        case 3: int width3 = 963;
                int height3 = 640;

                BufferedImage image2 = null;

                try
                {
                    File input_file3 = new
File("C:\\Users\\HP\\Desktop\\project\\3rd_floor.jpg");

                    image2 = new BufferedImage(width3, height3,
BufferedImage.TYPE_INT_ARGB);

                    image2 = ImageIO.read(input_file3);

                    System.out.println("Floor plan for 3rd floor");
                }
                catch(IOException e)
                {
                    System.out.println("Error: "+e);
                }
                break;
        default : System.out.println("There are only 3 floors! Please choose the
correct option !!");
    }
}

void shop_mngmt()throws Exception
{
    int m1;
    Scanner sc1=new Scanner(System.in);
    System.out.println("Enter\n1.Add shop\n2.Remove shop\n3.show shop
details");
    m1=sc1.nextInt();

    File file = new File("C:\\Users\\HP\\Desktop\\project\\shop_details.txt");
    Scanner g99 =new Scanner(file);

```

```
String[][] sd =new String[11][3];
i=0;j=0;
```

```
for(i=0;i<11;i++)
{
    for(j=0;j<3;j++)
    {
        sd[i][j]=g99.nextLine();
    }
}
```

```
switch (m1)
{
case 1:
    break;
case 2:
    break;
case 3: i=0;j=0;
        for(i=0;i<11;i++)
        {
            for(j=0;j<3;j++)
            { System.out.print(" "+sd[i][j]+" ");
              }
            System.out.println(" ");
        }
        break;
default : System.out.println("Please choose the correct option ");
}
}
```

```
void emp_mngmt() throws Exception
{
Scanner s=new Scanner(System.in);
System.out.println("Enter \n1.Add Employee \n2.Remove Employee
\n3.Show employee details");
int m2=s.nextInt();
```

```
File file = new File("C:\\Users\\HP\\Desktop\\project\\emp_details.txt");
Scanner gm =new Scanner(file);
```

```
String[][] ed =new String[11][3];  
i=0;j=0;
```

```
for(i=0;i<11;i++)  
{  
    for(j=0;j<3;j++)  
    {  
        ed[i][j]=gm.nextLine();  
    }  
}
```

```
switch (m2)  
{  
case 1:  
case 2:  
case 3: i=0;j=0;  
for(i=0;i<11;i++)  
{  
for(j=0;j<3;j++)  
{  
System.out.print("    "+ed[i][j]+"    ");  
}  
System.out.println("");  
}  
break;  
default : System.out.println();  
}  
}
```

```
}  
//admin class end
```

```
//shop owner class
```

```
abstract class shopowner{  
abstract void employee_mngmt(int v1)throws Exception;  
abstract void shopdet(int v2)throws Exception;  
abstract void inventory(int v3)throws Exception;  
}
```

```

class s1 extends shopowner{

int i,j;

void select( int v) throws Exception
{
System.out.println("SELECT OPTION:\n1.Employee management \n2.
Shop_details \n3. Inventory details");
Scanner iv = new Scanner(System.in);
int n =iv.nextInt();
switch(n)
{
case 1 : employee_mngmt(v);
        break;
case 2 : shopdet(v);
        break;
case 3 : inventory(v);
        break;
default : System.out.println();
}

}

void employee_mngmt(int v1) throws Exception
{

    int i=0;j=0;

    switch (v1)
    {
    case 0: File file = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss1.txt");
        Scanner gk =new Scanner(file);
        for(i=1;i<3;i++)
        {
            for(j=0;j<3;j++)
            { System.out.println(gk.nextLine());
            }
            System.out.println("*****");
        }

        break;

```



```

case 1: File file2 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss2.txt");
Scanner gk2=new Scanner(file2);

for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gk2.nextLine());
}
System.out.println("*****");
}

break;
case 2:File file3 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss3.txt");
Scanner gk3=new Scanner(file3);
for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gk3.nextLine());
}
System.out.println("*****");
}

break;
case 3:File file4 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss4.txt");
Scanner gk4 =new Scanner(file4);
for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gk4.nextLine());
}
System.out.println("*****");
}

break;
case 4:File file5 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss5.txt");
Scanner gk5 =new Scanner(file5);
for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gk5.nextLine());
}
System.out.println("*****");
}

```

```
        break;
case 5:File file6 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss6.txt");
Scanner gk6=new Scanner(file6);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gk6.nextLine());
    }
    System.out.println("*****");
}
```

```
        break;
case 6:File file7 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss7.txt");
Scanner gk7 =new Scanner(file7);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gk7.nextLine());
    }
    System.out.println("*****");
}
```

```
        break;
case 7:File file8 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss8.txt");
Scanner gk8 =new Scanner(file8);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gk8.nextLine());
    }
    System.out.println("*****");
}
```

```
        break;
case 8:File file9 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss9.txt");
Scanner gk9=new Scanner(file9);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gk9.nextLine());
    }
    System.out.println("*****");
}
```

```

        break;
case 9: File file10 = new
File("C:\\Users\\HP\\Desktop\\project\\emp_detailss10.txt");
Scanner gk10 =new Scanner(file10);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gk10.nextLine());
    }
    System.out.println("*****");
}

        break;

default : System.out.println("Error");
}

}

```

```

void shopdet(int v2)throws Exception{

```

```

switch (v2)
{
case 0: System.out.println("Nike is a great addition to Palladium Mall and its
authenticated brands make it more famous shop in our mall");

        break;
case 1: System.out.println("Voted as'India's Most Trusted Apparel Retail
Brand,Brand Equity Survey 2014/2015, Pantaloons, a division of ABFRL has
always been one of the most loved large format fashion retailers in India.
Pantaloons is today the fastest growing large format retailer in the
country");
        break;

```

case 2: System.out.println("Launched in the UAE in May 2004, Max was established in India in 2006, opening its first store in Indore. Now, Max India has a reach that extends to over 60 cities. Boasting a loyal customer base of over 5.5 million, Max is the most profitable value fashion format in the region. Max offers apparel, footwear and accessories for the entire family - women, men and children. Customers can expect a world-class shopping environment stocking the latest in international fashion from around the globe, as well as Max's own label of in-house designs in carefully chosen colour palettes. Shoppers enjoy great prices on an excellent range of over 3,000 styles every season, in brand new designs, silhouettes and fabrics.");

break;

case 3: System.out.println("Adidas has its roots in Germany but we are a truly global company. Around the world we employ over 59,000 people. Employees from about 100 nations are working at our global HQ in Herzogenaurach, Germany the World of Sports. In 2019 we produced over 1.1 billion sports and sports lifestyle products with independent manufacturing partners worldwide and generated sales of 23.640 billion. These numbers alone can easily suggest that adidas is quite a large and also multifaceted organization. But we keep things simple, lean and fast. And we will use this approach now to give an overview of what our company is all about");

break;

case 4: System.out.println("Puma SE, branded as Puma, is a German multinational corporation that designs and manufactures athletic and casual footwear, apparel and accessories, which is headquartered in Herzogenaurach, Bavaria, Germany. Puma is the third largest sportswear manufacturer in the world");

break;

case 5: System.out.println("HyperCity, a premium chain of 19 hypermarkets from Shoppers Stop for Rs 700 crore through a combination of cash and shares to further consolidate his footprint in western India, said multiple sources aware. A formal announcement is expected tomorrow after the board meeting of Future Retail. The loss making supermarket chain that opened its first store in 2006 is a subsidiary of Shoppers Stop, which owns a 51 per cent stake while parent K Raheja Corp holds the rest.");

break;

case 6: System.out.println("Shoppers Stop is an Indian department store chain, owned by the K Raheja Corp. There are 86 stores across 40 cities in India, with clothing, accessories, handbags, shoes, jewellery, fragrances, cosmetics, health and beauty products, home furnishing and decor products");

```
break;  
case 7: System.out.println("Brand Factory is a chain of retail stores operated  
by Future Group. Its head office is in Mumbai. Launched in September  
2006, it has 100 stores across 50 cities in India as of December 2018. It is  
India's largest discount retail chain and offers a wide range of apparel  
brands in different categories for men, women, infants, accessories,  
cosmetics, footwear, sportswear and luggage.");
```

```
break;  
case 8: System.out.println("Our lead fashion brand with over 22 labels all  
designed in-house, across womens wear, menswear, kidswear, footwear,  
lingerie, cosmetic, perfumes, accessories and home furniture.");
```

```
break;  
case 9: System.out.println("Hamleys is a British multinational toy retailer,  
one of the oldest and largest in the world, owned by the Indian company  
Reliance Retail. It was founded by William Hamley as Noah's Ark in High  
Holborn, London, in 1760, it moved to its current site on Regent Street in  
1881. This flagship store is set over seven floors, with more than 50,000  
lines of toys on sale. It is considered one of the city's prominent tourist  
attractions, receiving around five million visitors each year. The chain has  
25 other outlets in the United Kingdom and also has more than 90  
franchises worldwide.");
```

```
break;  
default : System.out.println("NO MORE SHOPS AVAILABLE!!");  
}
```

```
}
```

```

void inventory(int v3)throws Exception{

    int i=0;j=0;

    switch(v3)
    {
    case 0:File file = new
    File("C:\\Users\\HP\\Desktop\\project\\inv_detailss1.txt");

        Scanner gn=new Scanner(file);
        for(i=0;i<3;i++)
        {
            for(j=0;j<3;j++)
            { System.out.println(gn.nextLine());
            }
            System.out.println("*****");
        }

        break;
    case 1:File file2 = new
    File("C:\\Users\\HP\\Desktop\\project\\inv_detailss2.txt");
        Scanner gn2=new Scanner(file2);
        for(i=0;i<3;i++)
        {
            for(j=0;j<3;j++)
            { System.out.println(gn2.nextLine());
            }
            System.out.println("*****");

        }

        break;
    case 2:File file3 = new
    File("C:\\Users\\HP\\Desktop\\project\\inv_detailss3.txt");
        Scanner gn3=new Scanner(file3);
        for(i=0;i<3;i++)
        {
            for(j=0;j<3;j++)
            { System.out.println(gn3.nextLine());
            }
            System.out.println("*****");
        }
        break;
    }
}

```

```
case 3:File file4 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss4.txt");
Scanner gn4=new Scanner(file4);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gn4.nextLine());
    }
    System.out.println("*****");
}
break;
case 4:File file5 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss5.txt");
Scanner gn5=new Scanner(file5);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gn5.nextLine());
    }
    System.out.println("*****");
}
break;
case 5:File file6 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss6.txt");
Scanner gn6=new Scanner(file6);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gn6.nextLine());
    }
    System.out.println("*****");
}
break;
case 6:File file7 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss7.txt");
Scanner gn7=new Scanner(file7);
for(i=0;i<3;i++)
{
    for(j=0;j<3;j++)
    { System.out.println(gn7.nextLine());
    }
    System.out.println("*****");
}
```

```

break;
case 7:File file8 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss8.txt");
Scanner gn8=new Scanner(file8);
for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gn8.nextLine());
}
System.out.println("*****");
}
break;
case 8:File file9 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss9.txt");
Scanner gn9=new Scanner(file9);
for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gn9.nextLine());
}
System.out.println("*****");
}
break;
case 9: File file10 = new
File("C:\\Users\\HP\\Desktop\\project\\inv_detailss10.txt");
Scanner gn10=new Scanner(file10);
for(i=0;i<3;i++)
{
for(j=0;j<3;j++)
{ System.out.println(gn10.nextLine());
}
System.out.println("*****");
}
break;
default:System.out.println();
}

}

}

// shop owner class end

```



//customer class

```
abstract class customer{
abstract void floor_plan() throws Exception;
abstract void mall_desc();
abstract void shop_list()throws Exception;
}
```

```
class c1 extends customer{
```

```
void select() throws Exception
{
int s1;
Scanner sc =new Scanner(System.in);
System.out.println("SELECT OPTION :\n1.Shop List \n2.Floor_plan
\n3.Mall_desc");
s1=sc.nextInt();
switch(s1)
{
case 1 : shop_list() ;
break;
case 2 : floor_plan();
break;
case 3 : mall_desc();
break;
default : System.out.println();
}
}
```

```
void shop_list() throws Exception
{
File file = new File("C:\\Users\\HP\\Desktop\\project\\shop_list.txt");
Scanner g1 =new Scanner(file);
```

```
String[] c10 =new String[15];
    int i=0;

    while(g1.hasNextLine())
    {
        c10[i]=g1.nextLine();
        i++;
    }

    for(int j=0;j<=10;j++)
    { System.out.println("shop no."+(j+1)+"="+c10[j]);
    }
}

void floor_plan() throws Exception
{
    int f1;
    Scanner sc2= new Scanner(System.in);
    System.out.println("Enter floor number ");
    f1=sc2.nextInt();

    switch(f1)
    {
        case 1: int width1 = 963;
                int height1 = 640;

                BufferedImage image = null;

                try
                {
                    File input_file1 = new
File("C:\\Users\\HP\\Desktop\\project\\1st_floor.txt");

                    image = new BufferedImage(width1, height1,
BufferedImage.TYPE_INT_ARGB);
```

```
image = ImageIO.read(input_file1);

    System.out.println(" floor plan");
}
catch(IOException e)
{
    System.out.println("Error: "+e);
}
break;
case 2: int width2 = 963;
        int height2 = 640;

        BufferedImage image3 = null;

        try
        {
            File input_file2 = new
File("C:\\Users\\HP\\Desktop\\project\\2nd_floor.txt");

            image3 = new BufferedImage(width2, height2,
BufferedImage.TYPE_INT_ARGB);

            image3 = ImageIO.read(input_file2);

            System.out.println(" floor plan");
        }
        catch(IOException e)
        {
            System.out.println("Error: "+e);
        }
        break;
case 3: int width3 = 963;
        int height3 = 640;

        BufferedImage image4 = null;
```

```

try
{
    File input_file3 = new
File("C:\\Users\\HP\\Desktop\\project\\3rd_floor.txt");

    image4 = new BufferedImage(width3, height3,
        BufferedImage.TYPE_INT_ARGB);

    image4 = ImageIO.read(input_file3);

    System.out.println(" floor plan");
}
catch(IOException e)
{
    System.out.println("Error: "+e);
}
break;
default : System.out.println("There are only 3 floors! Please choose the
correct option !!");
}

}

```

```

void mall_desc()
{
{
System.out.println("Palladium is the most wonderful mall it has lots of
Stuffs in a very high quality and many different well known brands to
come... It's Supermarket is a fantastic place to buy so many fresh fruits and
other products... Here are many delicious foods and desserts in special
restaurants and Cafés to come... It's electronic shopping center is amazing
with so many different brands of cell-phones, I pads and so on... Here are
also many nice and stunning colourful clothes which you like to buy all of
them! Lol :) ... You see also various sort of shops... And many other
products which I recommend you to come and see... Although the prices are
rather high, It worth it to come here and buy your requirements, due to It is
luxury and has high quality Shoes... All in all, why you go somewhere else?
Palladium has it all.
\n*****
**\n Phone Number:287737388 / 34422324 / 23444453
\n*****\n Mall
Location:Tehran,Moqadase Ardebili St _ near alef Sq");
}
}

}

```

```
//end of code
```

```
Select the role of person
Press 1 for Admin
ENTER Name, Email ID, Address, Phone_no
Enter Username Password (admin_up.txt)
Username: admin
Password: a1
Success.....
```

If username and password entered is not admin and a1 respectively then  
Username password incorrect

```
SELECT ANY ONE
1.Admin
2.Shop Owner
3.Customer
1
Enter Name
a
Enter Email ID
a
Enter Address
a
Enter Phone_no
a
Enter username :
a
Enter password :
a
***Incorrect Username or Password***
Press 1 to Retry!!!
```

```
*****WELCOME ADMIN*****
```

```
SELECT OPTION
1.Floor plan
2.Shop management
3.Employee management
1
Enter floor number
1
```

[illegible]

## Floor plan for 1<sup>st</sup> Floor

```

LOGIN SUCCESS!!!!
*****WELCOME ADMIN*****
SELECT OPTION
1.Floor plan
2.Shop management
3.Employee management
1
Enter floor number
2
Floor plan for 2nd floor

```

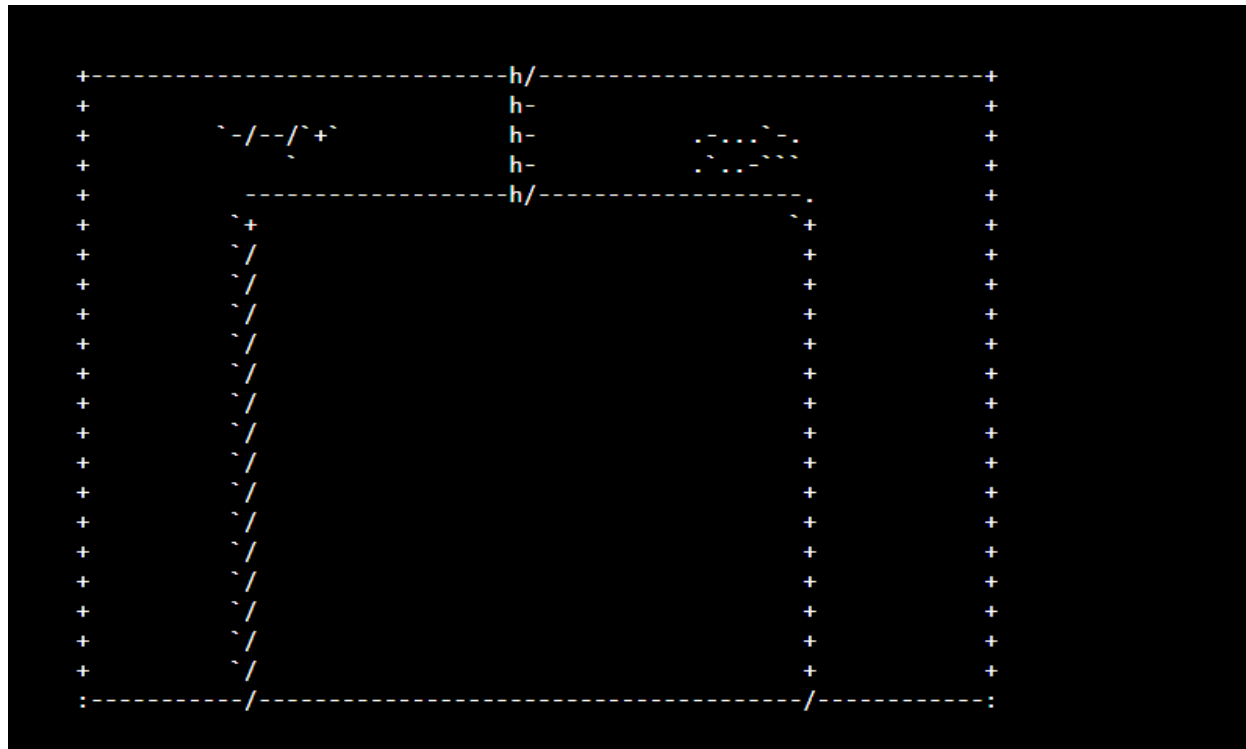
[illegible]

### Floor plan for 2<sup>nd</sup> floor

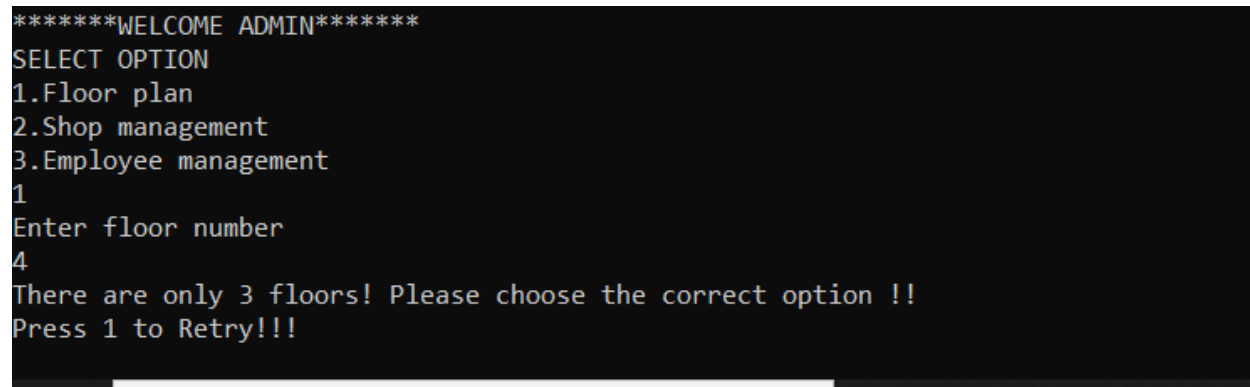
```

*****WELCOME ADMIN*****
SELECT OPTION
1.Floor plan
2.Shop management
3.Employee management
1
Enter floor number
3
Floor plan for 3rd floor

```



Floor plan for 3<sup>rd</sup> floor



If the floor no. entered is more than 3 then error



```
LOGIN SUCCESS!!!
*****WELCOME ADMIN*****
SELECT OPTION
1.Floor plan
2.Shop management
3.Employee management
2
Enter
1.Add shop
2.Remove shop
3.show shop details
3
Shop Number    Shop Name    Shop Item
1    NIKE      SHOES
2    PANTALOON  CLOTH
3    MAX       CLOTH
4    ADIDAS    SHOES
5    PUMA      SHOES
6    HYPERCITY  MULTI
7    SHOPPERSTOP CLOTH
8    BRAND FACTORY CLOTH
9    WESTSIDE  CLOTH
10   HAMLEYS   TOYSS
Press 1 to Retry!!!
```

Shop management details for admin in shop

```
LOGIN SUCCESS!!!!
*****WELCOME ADMIN*****
SELECT OPTION
1.Floor plan
2.Shop management
3.Employee management
3
Enter
1.Add Employee
2.Remove Employee
3.Show employee details
3
    emp_no      emp_name      emp_salary
    1           raju          10000
    2           shamu          10000
    3           virendara       20000
    4           shoaib          20000
    5           rohit           30000
    6           rahul           30000
    7           sulaiman        40000
    8           vishal          140000
    9           salman          50000
    10          raj            50000
Press 1 to Retry!!!
```

Employee management details for admin

Total 10 shops have 10 username passwords respectively and have their own records.

Shop1 Execution

```
Welcome to PALLADIUM MALL MANAGEMENT SYSTEM!!  
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

```
SELECT ANY ONE
```

- 1.Admin
  - 2.Shop Owner
  - 3.Customer
- 2

```
Enter Name
```

```
Aditya
```

```
Enter Email ID
```

```
adi50@gmail.com
```

```
Enter Address
```

```
SquareSt
```

```
Enter Phone_no
```

```
455565
```

```
Enter username :
```

```
shop1
```

```
Enter password :
```

```
pw1
```

```
LOGIN SUCCESS!!!!
```

```
*****WELCOME SHOP OWNER*****
```

```
SELECT OPTION:
```

- 1.Employee management
  - 2. Shop\_details
  - 3. Inventory details
- 1

```
name
```

```
age
```

```
salary
```

```
*****
```

```
Rohit Pancholi
```

```
32
```

```
45000
```

```
*****
```

```
Press 1 to Retry!!!
```

```
Enter username :
```

```
shop1
```

```
Enter password :
```

```
pw1
```

```
LOGIN SUCCESS!!!!
```

```
*****WELCOME SHOP OWNER*****
```

```
SELECT OPTION:
```

- 1.Employee management
  - 2. Shop\_details
  - 3. Inventory details
- 2

```
Nike is a great addition to Palladium Mall and its authenticated brands make it more famous shop in our mall
```

```
Press 1 to Retry!!!
```

---

```
*****WELCOME SHOP OWNER*****
```

```
SELECT OPTION:
```

```
1.Employee management
```

```
2. Shop_details
```

```
3. Inventory details
```

```
3
```

```
inv_no
```

```
inv_name
```

```
inv_quantity
```

```
*****
```

```
1
```

```
Nike Hypervenom
```

```
13
```

```
*****
```

```
2
```

```
Nike Revolution 3
```

```
33
```

```
*****
```

```
Press 1 to Retry!!!
```

## Shop 2 Execution

```
Enter username :
```

```
shop2
```

```
Enter password :
```

```
pw2
```

```
LOGIN SUCCESS!!!!
```

```
*****WELCOME SHOP OWNER*****
```

```
SELECT OPTION:
```

```
1.Employee management
```

```
2. Shop_details
```

```
3. Inventory details
```

```
1
```

```
name
```

```
age
```

```
salary
```

```
*****
```

```
Ramesh Fadnavis
```

```
29
```

```
90000
```

```
*****
```

```
Deepak Sharma
```

```
28
```

```
75000
```

```
*****
```

```
Press 1 to Retry!!!
```

```
Enter username :
shop2
Enter password :
pw2
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Voted as 'India's Most Trusted Apparel Retail Brand,Brand Equity Survey 2014/2015, Pantaloons,
y the fastest growing large format retailer in the country
Press 1 to Retry!!!
```

```
Enter username :
shop2
Enter password :
pw2
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
SF shirt
6
*****
2
Urbania wear
7
*****
Press 1 to Retry!!!
```

## Shop 3 Execution

```
Enter username :
shop3
Enter password :
pw3
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Siddhesh Lad
33
84000
*****
Prakash Jadhav
30
78000
*****
Press 1 to Retry!!!
```

```
Enter username :
shop3
Enter password :
pw3
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Launched in the UAE in May 2004, Max was established in India in 2006, opening its first store in Indore. Now, Max India has a reach that extends to over 60 countries. Max is the most profitable value fashion format in the region. Max offers apparel, footwear and accessories for the entire family - women, men and children. Max is committed to stocking the latest in international fashion from around the globe, as well as Max's own label of in-house designs in carefully chosen colour palettes. Max offers over 3,000 styles every season, in brand new designs, silhouettes and fabrics.
Press 1 to Retry!!!
```

```
Enter username :
shop3
Enter password :
pw3
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Maxtees
3
*****
2
Maxcool
11
*****
Press 1 to Retry!!!
```

## Shop 4 Execution

```
Enter username :
shop4
Enter password :
pw4
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Robin Sharma
36
55000
*****
Gopal Singh
28
60000
*****
Press 1 to Retry!!!
```

```
Enter username :
shop4
Enter password :
pw4
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Adidas has its roots in Germany but we are a truly global company. Around the world we employ over 59,000 people.
d of Sports. In 2019 we produced over 1.1 billion sports and sports lifestyle products with independent manufactu
est that adidas is quite a large and also multifaceted organization.But we keep things simple, lean and fast. And
Press 1 to Retry!!!
```

```
Enter username :
shop4
Enter password :
pw4
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Adidas_chelsea
2
*****
2
Climacool
3
*****
Press 1 to Retry!!!
```



## Shop 5 Execution

```
Enter username :
shop5
Enter password :
pw5
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Arvind Sethi
33
71000
*****
Dinu Sharma
88000
```

```
Enter username :
shop5
Enter password :
pw5
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Puma SE, branded as Puma, is a German multinational corporation that designs and manufactures athletic and casual footwear
ma is the third largest sportswear manufacturer in the world
Press 1 to Retry!!!
```

```
3
inv_no
inv_name
inv_quantity
*****
1
Puma one8
4
*****
2
Puma Zigtech
3
*****
Press 1 to Retry!!!
```

## Shop 6 Execution

```
Enter username :
shop6
Enter password :
pw6
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Ishwar V
27
77000
*****
Balvant Singh
33
80000
*****
Press 1 to Retry!!!
```

```
Enter username :
shop6
Enter password :
pw6
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
HyperCity, a premium chain of 19 hypermarkets from Shoppers Stop for Rs 700 crore through a combination
rmal announcement is expected tomorrow after the board meeting of Future Retail.The loss making supermar
ake while parent K Raheja Corp holds the rest.
Press 1 to Retry!!!
```

```
Enter username :
shop6
Enter password :
pw6
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Shower gel
3
*****
2
Vaseline cream
4
*****
Press 1 to Retry!!!
```

## Shop 7 Execution

```
Enter username :
shop7
Enter password :
pw7
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Rajveer Thakur
30
90000
*****
Sumit Saxena
31
60000
*****
Press 1 to Retry!!!
```

```
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Shoppers Stop is an Indian department store chain, owned by the K Raheja Corp.
and beauty products, home furnishing and decor products
Press 1 to Retry!!!
```

```

Enter username :
shop7
Enter password :
pw7
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Turtles
12
*****
2
Raymond
18
*****
Press 1 to Retry!!!

```

## Shop 8 Execution

```

Enter username :
shop8
Enter password :
pw8
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Ajay Penkar
29
60000
*****
Kavish Kohli
28
60000
*****
Press 1 to Retry!!!

```

```
Enter username :
shop8
Enter password :
pw8
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Brand Factory is a chain of retail stores operated by Future Group. Its head office is in Mumbai. Launched in September 2006, it is a discount retail chain and offers a wide range of apparel brands in different categories for men, women, infants, accessories, etc.
Press 1 to Retry!!!
```

```
Enter username :
shop8
Enter password :
pw8
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Auriela
4
*****
2
Wills
8
*****
Press 1 to Retry!!!
```

## Shop 9 Execution

```
Enter username :
shop9
Enter password :
pw9
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Prithvi Nathu
31
94000
*****
Manav Shah
30
78000
*****
Press 1 to Retry!!!
```

```
Enter username :
shop9
Enter password :
pw9
LOGIN SUCCESS!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Our lead fashion brand with over 22 labels all designed in-house, across womens wear, menswear, kidswear, footwear,
Press 1 to Retry!!!
```

```
Enter username :
shop9
Enter password :
pw9
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Seals
6
*****
2
Umm
11
*****
Press 1 to Retry!!!
```

## Shop 10 Execution

```
Enter username :
shop10
Enter password :
pw10
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
1
name
age
salary
*****
Vishal Nair
27
89000
*****
Ashmit Jain
29
88000
*****
Press 1 to Retry!!!
```



```
Enter username :
shop10
Enter password :
pw10
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
2
Hamleys is a British multinational toy retailer, one of the oldest and largest in the world, owned by the Indian company Reliance Retail.
1760, it moved to its current site on Regent Street in 1881. This flagship store is set over seven floors, with more than 50,000 lines of
ctions, receiving around five million visitors each year. The chain has 25 other outlets in the United Kingdom and also has more than 90
Press 1 to Retry!!!
```

```
Enter username :
shop10
Enter password :
pw10
LOGIN SUCCESS!!!!
*****WELCOME SHOP OWNER*****
SELECT OPTION:
1.Employee management
2. Shop_details
3. Inventory details
3
inv_no
inv_name
inv_quantity
*****
1
Thanos gauntlet
8
*****
2
Frozen toys
7
*****
Press 1 to Retry!!!
```

CUSTOMER

```
C:\Program Files\jdk-11.0.1\bin>javac FinalTest1.java
```

```
C:\Program Files\jdk-11.0.1\bin>java FinalTest1
```

```
Welcome to PALLADIUM MALL MANAGEMENT SYSTEM!!
```

SELECT ANY ONE

## 1.Admin

## 2. Shop Owner

### 3. Customer

3

Enter Name

Kunal Verma

Enter Email ID

kunverma@gmail.com

Enter Address

Toronto

Enter Phone\_no

988393873

\*\*\*\*\*WELCOME CUSTOMER !!\*\*\*\*\*

SELECT OPTION :

## 1.Shop List

## 2.Floor\_plan

3.Mall\_desc

1

shop no.1=NIKE

shop no.2=PANTALOONS

shop no.3=MAX

shop no.4=ADIDAS

shop no.5=PUMA

shop no.6=HYPERCITY

shop no.7=SHOPPERS STOP

shop no.8=BRAND FACTORY

shop no.9=WESTSIDE

shop no.10=HAMLEYS

shop no.11=null

Press 1 to Retry!!!

```
*****WELCOME CUSTOMER !!*****
```

SELECT OPTION :

## 1.Shop List

## 2.Floor\_plan

3.Mall\_desc

3

Palladium is the most wonderful mall it has lots of Stuffs in a very high quality and many different well known brands to come... It's Supermarket is a fantastic place to buy so many fruits... Here are many delicious foods and desserts in special restaurants and Cafés to come... It's electronic shopping center is amazing with so many different brands of cell-phones, I also many nice and stunning colourful clothes which you like to buy all of them! Lol :) ... You see also various sort of shops... And many other products which I recommend you to come. Prices are rather high, It worth it to come here and buy your requirements, due to It is luxury and has high quality Shoes... All in all, why you go somewhere else? Palladium has it all.

Phone Number: 287737388 / 34422324 / 23444453

\*\*\*\*\*

Mall Location: Tehran, Moqadase Ardebili St near alef Sq

Press 1 to Retry!!!

## **User Manual:**

- The program first displays the 6 options-
  - 1) Differentiate persons through login functionality
  - 2) Display list of shops in the mall
  - 3) Display Shop Inventory
  - 4) Display Mall Employee
  - 5) Display Shop Employee

### CASE 1: Display person details

Option (1) Person displays 3 options:

- 1) Admin
- 2) Shop Owner
- 3) Customer

#### 1) Admin .

Admin will further ask the user to enter name address email and then ask for username password . After the password and username is entered correct the user has a display message regarding the welcome message for admin and username password correct. If found wrong then given option to retry by pressing 1 on keyboard.

#### 2) Shop Owner .

Shop Owner will also further ask the user to enter name address email and then ask for username password .But here the major difference is that there are ten shops and ten shops have ten different passwords. After the password and username is entered correct the user has a display message regarding the welcome message for shop owner for respective shop and username password correct. If found wrong then given option to retry by pressing 1 on keyboard.

#### 3) Customer

Customer doesn't have login functionality included in it.It only has shop details and shop list regarding the mall under its class.

### CASE 2: Display list of shops in mall

The list of shops in mall option is only available for the customer and the admin

1) Admin

Admin requires the option of list of mall this provision is provided to the admin of the mall in order to have some modification in the number of shops or the shop list.

2) Customer

Customer requires option of shop list in order to view shop details and about the shop in the mall so that they can visit the shop for their desired commodity or service which the customer wants.

### CASE 3: Display Shop Inventory

This provision was only provided to the shop owner as the shop owner checks the inventory number, inventory quantity in the respective shop so that the shop owner can manage the shop inventory with ease by having the information of the inventory in the system.

### CASE 4: Display Mall Employee

This is used by the admin under the admin option where the admin comes to know about the mall employees name of employees and the salary.

By this mall employee list the admin can see to it if there are any changes or modifications that need to be done in the employee list of the mall employees of the mall.

### CASE 5: Display Shop Employee

This again comes under the shopowner option so that the shop owner can see the keep a track of the employees in the shop

---

## **Conclusion:**

The Malls are unique as a real estate format because they typically evolve more rapidly than other properties. They serve many different people, in addition to consumers, retailers and owners. Traditionally, major retail shopping centers have been managed by different in-house management teams, in a traditional fashion. Many are managed on behalf of investors through a combination of centre management teams and managing agents. They generally provide the primary focal point for managing the building asset and retaining relationships within the community and with retailers, with substantive support from consultants and contractors on a centre-by-centre basis. As a result of all this, a confusing range of relationships exist, ranging from retailers' service contracts to centre IT infrastructure, promotions, mechanical, electrical and fabric maintenance, cleaning, lifts and security, and a host of other arrangements. With the suggested solution, the mall can be managed by mall administrators in a more centralized

## **References:**

1. <https://www.geeksforgeeks.org/different-ways-reading-text-file-java/>
2. <https://www.edureka.co/blog/test-case-in-software-testing/>
3. <https://www.geeksforgeeks.org/image-processing-java-set-1-read-write/>
4. <https://www.youtube.com/watch?v=q0PrXoWKM2Y&t=610s>
5. <https://stackoverflow.com/questions/19844649/java-read-file-and-store-text-in-an-array>