

# Air Line Reservation System

## **Aim:**

Building a console- based application where user can book and cancel flight tickets.

## **Programming Language:**

- Java

## **Tools:**

- ✓ Eclipse
- ✓ My SQL

## **Synopsis:**

Airline reservation includes three operations:

1. Ticket Booking
2. UPI transaction
3. Cancellation

### 1.Ticket Booking

Customers can book the tickets based the location mention above.

### 2.UPI Transaction

Customers can make upi transaction with the upi id and pin using the multi-threading concept.

### 3. Cancellation

Customers can cancel the ticket after booking and amount will be deduced for cancellation.

#### **Project overview:**

Airline reservation system is a console- based application. Customers can buy and cancel the tickets based on their needs. Customers can make payments using e-transaction process. Payment can ne done through UPI transactions.

#### **Initial Setup:**

Mavan Project Name:

AirlineClone

Package Name:

com.clone.

Classes Name:

PaymentClone.java

UserRegistration.java

#### **Concepts Implemented:**

- Inheritance
- Multi threading
- Collections

## Inheritance:

- **Inheritance in Java** is a mechanism in which one object acquires all the properties and behaviours of a parent object.

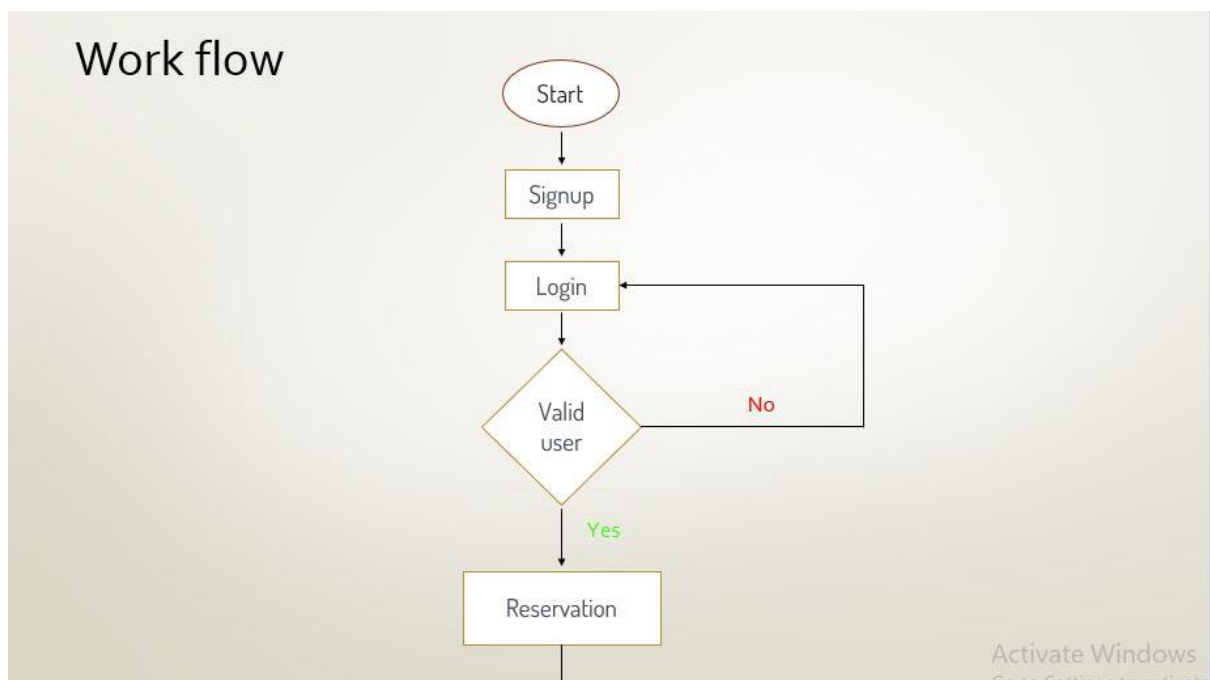
## Multithreading:

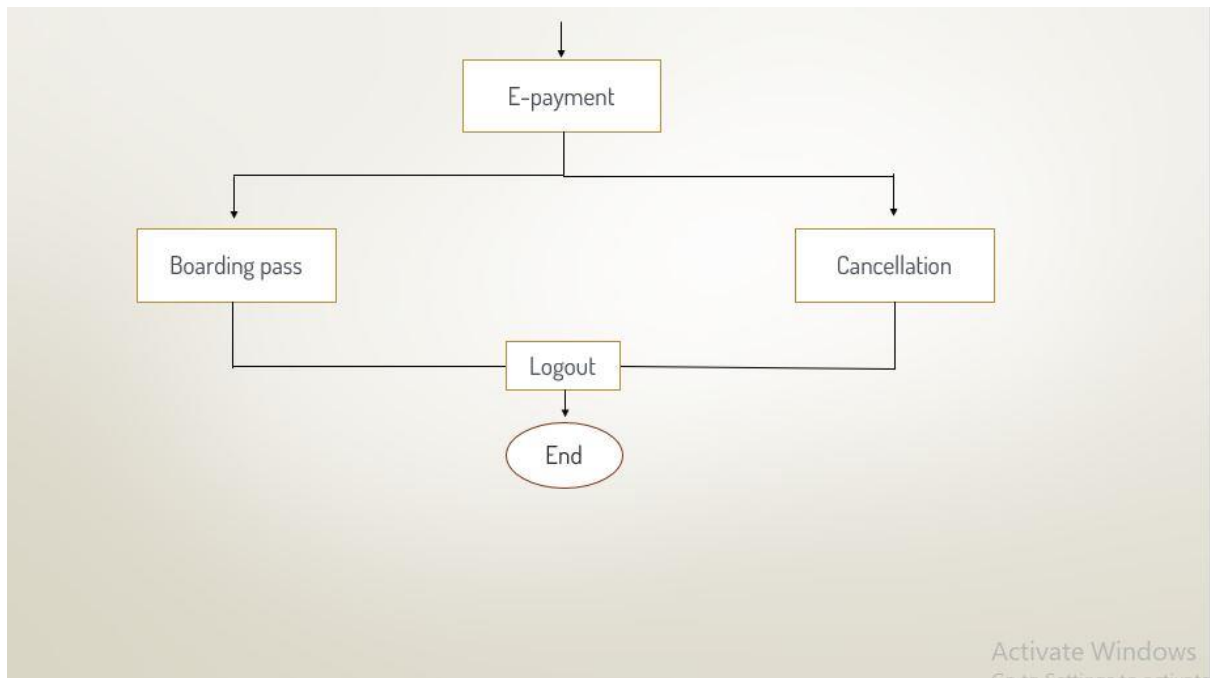
- Multithreading in [Java](#) is a process of executing multiple threads simultaneously.

## Collection:

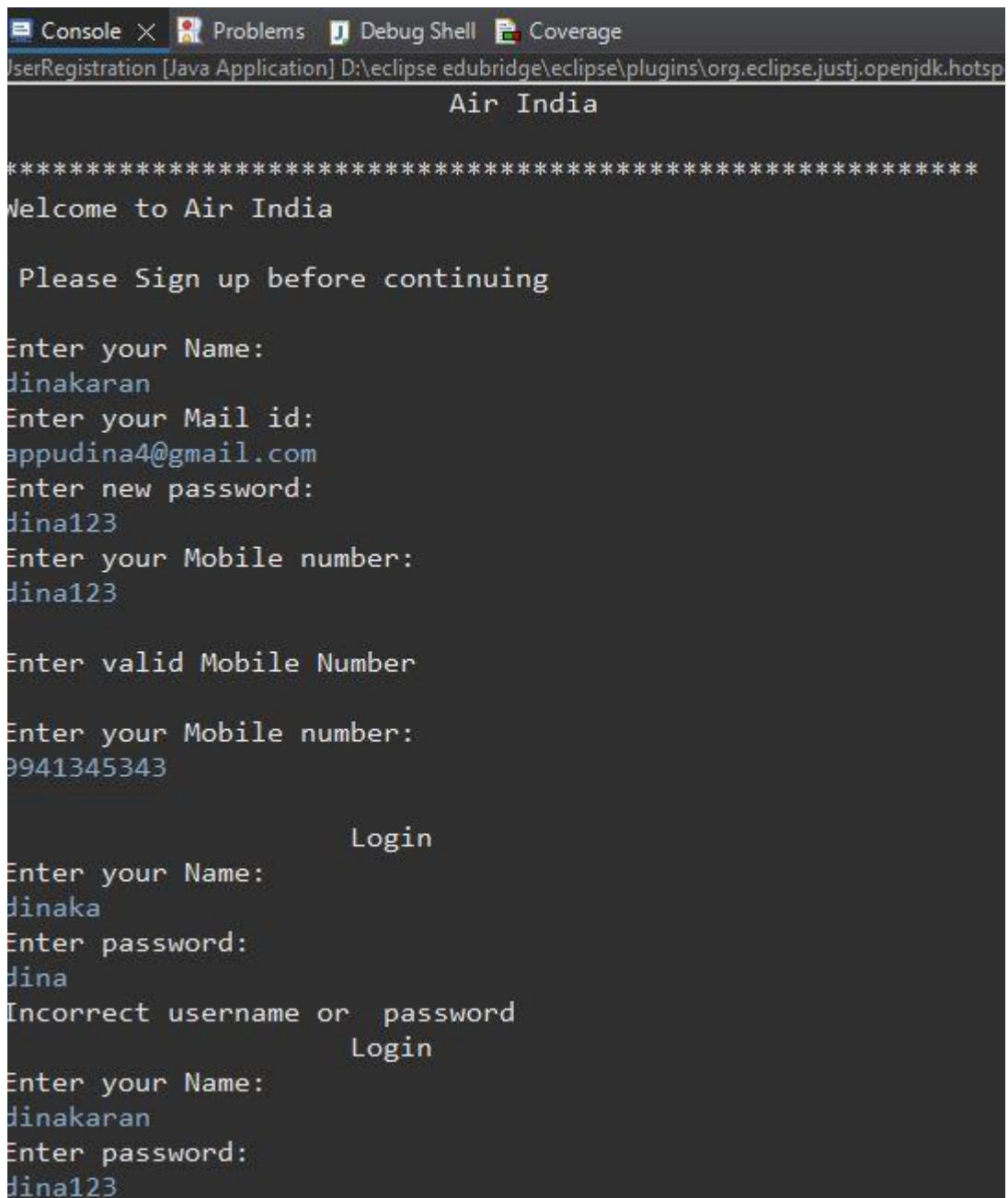
- Collection is a framework that is used for storing and manipulating data.

## Work flow:





## Screenshots:



```
Console X Problems Debug Shell Coverage
UserRegistration [Java Application] D:\eclipse.edubridge\eclipse\plugins\org.eclipse.justj.openjdk.hotsp
Air India

*****
Welcome to Air India

Please Sign up before continuing

Enter your Name:
dinakaran
Enter your Mail id:
appudina4@gmail.com
Enter new password:
dina123
Enter your Mobile number:
dina123

Enter valid Mobile Number

Enter your Mobile number:
9941345343

Login

Enter your Name:
dinaka
Enter password:
dina
Incorrect username or password
Login

Enter your Name:
dinakaran
Enter password:
dina123
```

## Login

Enter your Name:

dinakaran

Enter password:

dina123

Login Successful!

## Book Domestic Flight Tickets

Places you can Fly

Chennai Goa Mumbai Delhi Mysore

Hyderabad Bengaluru Pune Kochi Hubli Coimbatore

FROM:

chennai

TO:

goa

Departure Date:

23.04.2023

Class:(Economy/First/Business)

economy

Number of passengers:

2

FROM:  
chennai  
TO:  
goa  
Departure Date:  
23.04.2023  
Class:(Economy/First/Business)  
economy  
Number of passengers:  
2

### Flight Information

Air India  
chennai Domestic Airport India

From: chennai  
To: goa  
Fare:5678  
Gst: 875  
Ticketfare: 12231  
Duration: 1h 30m  
departure Time: 20:30 pm  
Arrival Time: 22:00 pm

pay using Upi id

Enter UPI ID:

dina@123

Enter Pin

dina123

enter the amount:

1223

enter valid amount

enter the amount:

12231

payment processing.....

Loading please wait.....

Payment successful!

Your e-Ticket has been sent to your Registered mail id