

SKELETON CODE:

ADMIN:

```
import java.util.*;
```

```
/**
```

```
 *
```

```
 */
```

```
public class Admin {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public Admin() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Admin ID;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Position of responsibility;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Password;
```

```
    /**
```

```
     * @param user
```

```
     */
```

```
    public void Modify_blacklist(void user) {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     * @param user
```

```
     */
```

```
    public void Ban(void user) {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     * @param transactionid
```

```
     */
```

```
    public void notify_user(void transactionid) {
```

```
        // TODO implement here
    }

    /**
     * @param time
     */
    public void assign_admin(void time) {
        // TODO implement here
    }

    /**
     * @param userid
     * @param propertyid
     */
    public void notify_user(void userid, void propertyid) {
        // TODO implement here
    }
}
```

BULK BOOKINGS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Bulk bookings {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Bulk bookings() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Travel agency;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Number of people;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Duration of travel;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Accomadation type;
```

```
}
```

CUSTOMER SUPPORT:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Customer Support {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public Customer Support() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Staff ID;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Location;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Rating;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Languages spoken;
```

```
}
```

GUEST:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Guest extends User {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public Guest() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Number of bookings made;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Calculatecost() {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Cancel_booking() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

HOST:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Host extends User {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Host() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Number of properties registered;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public Set<Property listing> adds;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void hire_photographer() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

ADMIN:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Admin {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Admin() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Admin ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Position of responsibility;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Password;
```

```
    /**
```

```
     * @param user
```

```
    */
```

```
    public void Modify_blacklist(void user) {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     * @param user
```

```
    */
```

```
    public void Ban(void user) {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     * @param transactionid
```

```
    */
```

```
    public void notify_user(void transactionid) {
```

```
        // TODO implement here
```

```
    }
```

```
/**
 * @param time
 */
public void assign_admin(void time) {
    // TODO implement here
}

/**
 * @param userid
 * @param propertyid
 */
public void notify_user(void userid, void propertyid) {
    // TODO implement here
}
}
```


MEETING:

```
import java.util.*;

/**
 *
 */
public class Meeting {

    /**
     * Default constructor
     */
    public Meeting() {
    }

    /**
     *
     */
    public int Meeting ID;

    /**
     *
     */
    public int Travel agency ID;

    /**
     *
     */
    public DATE Date;
    /**
     *
     */
    public TIME Time;

    /**
     * @param userid
     * @param adminid
     */
    public void Block_date_time(void userid, void adminid) {
        // TODO implement here
    }

    /**
     * @param time
     */
    public void check_availability(void time) {
        // TODO implement here
    }
}
```

PHOTOGRAPHERS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Photographers {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Photographers() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Photogrpaher ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Name;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Location;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Bank Account details;
```

```
}
```

PROPERTY LISTING:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Property listing {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Property listing() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Property ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String City;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Address;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Type of property;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Host ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void get_cost_per_day() {
```

```
        // TODO implement here
```

```

    }

    /**
     * @param time
     */
    public void check_availability(void time) {
        // TODO implement here
    }

    /**
     * @param userid
     */
    public void book_property(void userid) {
        // TODO implement here
    }

    /**
     * @param status
     */
    public void payment_complete(void status) {
        // TODO implement here
    }

    /**
     *
     */
    public void add_propertyphoto() {
        // TODO implement here
    }

    /**
     * @param userid
     */
    public void add_property(void userid) {
        // TODO implement here
    }

    /**
     * @param status
     * @param propertyid
     */
    public void notify(void status, void propertyid) {
        // TODO implement here
    }
}

```

QUERIES:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Queries {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public Queries() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Type of Query;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Grievance;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void User contact details;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Status;
```

```
}
```

RATINGS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Ratings {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public Ratings() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Number of stars;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public String Comments;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Add_to_suspect_list() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

REFUND:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Refund {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public Refund() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Issue;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void Guest ID;
```

```
}
```

RENTED PROPERTY:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Rented Property {
```

```
    /**
```

```
    * Default constructor
```

```
    */
```

```
    public Rented Property() {
```

```
    }
```

```
    /**
```

```
    *
```

```
    */
```

```
    public int Property ID;
```

```
    /**
```

```
    *
```

```
    */
```

```
    public int Guest ID;
```

```
    /**
```

```
    *
```

```
    */
```

```
    public DATE Booking dates;
```

```
    /**
```

```
    *
```

```
    */
```

```
    public int Cost of booking;
```

```
    /**
```

```
    *
```

```
    */
```

```
    public void get_booking_dates() {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
    * @param time
```

```
    */
```

```
    public void check_availability(void time) {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```



```
    *  
    */  
    public void add_property() {  
        // TODO implement here  
    }  
}
```

TRANSACTION:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Transaction {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Transaction() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Transaction ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Amount;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Mode of payment;
```

```
}
```

TRAVEL AGENCY:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Travel Agency extends User {
```

```
    /**
```

```
    * Default constructor
```

```
    */
```

```
    public Travel Agency() {
```

```
    }
```

```
    /**
```

```
    *
```

```
    */
```

```
    public int Government Registration ID;
```

```
    /**
```

```
    *
```

```
    */
```

```
    public int Number of bookings made;
```

```
    /**
```

```
    *
```

```
    */
```

```
    public void Calculatecost() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

USER DETAILS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class User Details {
```

```
    /**
```

```
     * Default constructor
```

```
     */
```

```
    public User Details() {
```

```
    }
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Aadhar Number;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public String Bank Account Details;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int PAN card ID;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public String Email ID;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public int Phone number;
```

```
    /**
```

```
     *
```

```
     */
```

```
    public void getBankdetails() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

USER:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class User {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public User() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Userid;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Password;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Name;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Number of blacklists;
```

```
    /**
```

```
     * @param userid
```

```
    */
```

```
    public void get_user_info(void userid) {
```

```
        // TODO implement here
```

```
    }
```

```
/**
 *
 */
public void raise_query() {
    // TODO implement here
}

/**
 *
 */
public void notify_user() {
    // TODO implement here
}
}
```

ADMIN:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Admin {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Admin() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Admin ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Position of responsibility;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Password;
```

```
}
```

ADMIN:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Bulk bookings {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Bulk bookings() {  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Travel agency;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Number of people;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Duration of travel;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Accomadation type;
```

```
}
```


CUSTOMER SUPPORT:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Customer Support {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Customer Support() {  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Staff ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Location;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public float Rating;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String [] Languages spoken;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void change_status() {  
        // TODO implement here  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void send_query() {  
        // TODO implement here  
    }
```

```
    /**
```

```
     * @param queryid
```

```
    */
```

```
    public void notify(void queryid) {  
        // TODO implement here  
    }
```

}

}

GUEST:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Guest extends User {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Guest() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    private int Number of bookings made;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Calculate_cost() {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void cancel_booking() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

HOST:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Host extends User {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Host() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    private int Number of properties registered;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void hire_photographer() {
```

```
        // TODO implement here
```

```
    }
```

```
}
```

MEETING:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Meeting {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Meeting() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Meeting ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Travel agency ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Date;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Time;
```

```
}
```

PHOTOGRAPHERS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Photographers {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Photographers() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Photogrpaher ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Name;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Location;
```

```
}
```

PROPERTY LISTING:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Property listing {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Property listing() {  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Property ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void City;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Address;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Type of property;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Host ID;
```

```
}
```

QUERIES:

```
import java.util.*;

/**
 *
 */
public class Queries {

    /**
     * Default constructor
     */
    public Queries() {
    }

    /**
     *
     */
    public String Type of Query;

    /**
     *
     */
    public String Grievance;

    /**
     *
     */
    public Sting User contact details;

    /**
     *
     */
    public String Status;

    /**
     *
     */
    public int Queryid;

    /**
     *
     */
    public void Categorize() {
        // TODO implement here
    }

    /**
     *
     */
    public void Check_status() {
        // TODO implement here
    }
}
```



```
/**
 *
 */
public void close_query() {
    // TODO implement here
}
}
```

RATINGS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Ratings {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Ratings() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void User ratings;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Comments;
```

```
}
```

REFUND:

```
import java.util.*;

/**
 *
 */
public class Refund {

    /**
     * Default constructor
     */
    public Refund() {
    }

    /**
     *
     */
    public String Issue;

    /**
     *
     */
    public int Guest ID;

    /**
     * @param amount
     */
    public void set_refund(void amount) {
        // TODO implement here
    }
}
```

RENTED PROPERTY:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Rented Property {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Rented Property() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Property ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Guest ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Booking dates;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Cost of booking;
```

```
}
```

TRANSACTION:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Transaction {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Transaction() {  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Transaction ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public float Amount;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Mode;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void With_hold_payment() {  
        // TODO implement here  
    }
```

```
    /**
```

```
     * @param mode
```

```
    */
```

```
    public void make_payment(void mode) {  
        // TODO implement here  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Complete_transaction() {  
        // TODO implement here  
    }
```

```
}
```

TRAVEL AGENCY:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class Travel Agency extends User {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public Travel Agency() {  
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Government Registration ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Number of bookings made;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Calculate_cost() {  
        // TODO implement here  
    }
```

```
}
```

USER DETAILS:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class User Details {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public User Details() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Bank Account Details;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Aadhar Number;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void PAN card ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Email ID;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void Phone number;
```

```
}
```

USER:

```
import java.util.*;
```

```
/**
```

```
*
```

```
*/
```

```
public class User {
```

```
    /**
```

```
     * Default constructor
```

```
    */
```

```
    public User() {
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Userid;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Password;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public String Name;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public int Number of blacklists;
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void getUserID() {
```

```
        // TODO implement here
```

```
    }
```

```
    /**
```

```
     *
```

```
    */
```

```
    public void raise_query() {
```

```
        // TODO implement here
```



```
}  
  
/**  
 *  
 */  
public void notify_user() {  
    // TODO implement here  
}  
  
}
```