



Topic : Wild-Life Safari Trip Management System

Group no :MLB\_PRO\_03

Campus : Malabe

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We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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## **Exercise 01**

### Requirements

1. Customers can register to the system by giving their details such as name, phone number, email.
2. Customer can update user details, delete user details, and view current details.
3. Customers can select transport services.
4. Transport services have transport ID, transport name, transport type, and transport description.
5. Customers can search hotels by using hotel name, hotel ID, type, and location.
6. Customer can book hotel and every booking have a booking ID, booking type and booking description.
7. Customer can update booking.
8. Customers need to get permission to travel in wild and have a permission ID, permission role, permission title, permission module
9. Customers can get help from employees.
10. Every employee has an employee ID, full name, and job.
11. Customers can cancel the booking.
12. A customer can give feedback about the services of the wildlife.
13. System admin can generate booking details reports.

## Noun Verb Analysis

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13. System admin can generate booking details reports.

## NOUNS

Customers

System

Details

Name

Phone number

Email

User details

Current details

Transport services

Transport ID

Transport name

Transport type

Transport description

Hotels

Hotel name

Hotel ID

Type

Location

Every booking

Booking ID

Booking type

Booking description

Permission

Wild

Permission ID

Permission role

Permission title

Permission module

Employees

Employee ID

Full name

Job

Feedback

Service

WildLife

System admin

Booking details report

Class

Customer

Transport

Permission

Hotel

Employee

Booking

Redundant

Customer

Employee

## Out of Scope

System

WildLife

System Admin

## Meta Language

Service

## Attributes

Customer ID

Customer name

Phone number

Email

Transport ID

Transport name

Transport type

Transport description

Permission ID

Permission role

Permission title

Permission module

Hotel ID

Hotel name

Type

Location

Employee ID

Full name

Job

Booking ID

Booking type

Booking description

## VERBS

Register

Update user details

Delete user details

View current details

Select transport service

Search hotels

Book the hotel

Update booking

Get permission

Travel in wild

Get help

Cancel the booking

Give feedback

Generate report

## Customer

Register

Update user detail

Delete user details

View current details

Select transport service

Get permission

Travel in wild

Give feedback

## Employee

Get help

## Hotel

Search hotels

Cancel the booking

Update booking

Book the hotel

## System admin

Generate report

## **Exercise 02**

CRC Cards

Class name - Customer	
Responsibility	Collaborators
Register	
Update user details	



Delete user details	
Display user details	
Book the hotel	Hotel
Update booking	
Give feedback	Customer

Class name - Transport	
Responsibility	Collaborators
Select the transport service	Customer
Add transport details	

Class name - Permission	
Responsibility	Collaborators
Get permission	

Class name – Hotel	
Responsibility	Collaborators

Search hotels	
Book the hotel	
Update booking details	
Cancel the booking	Customer

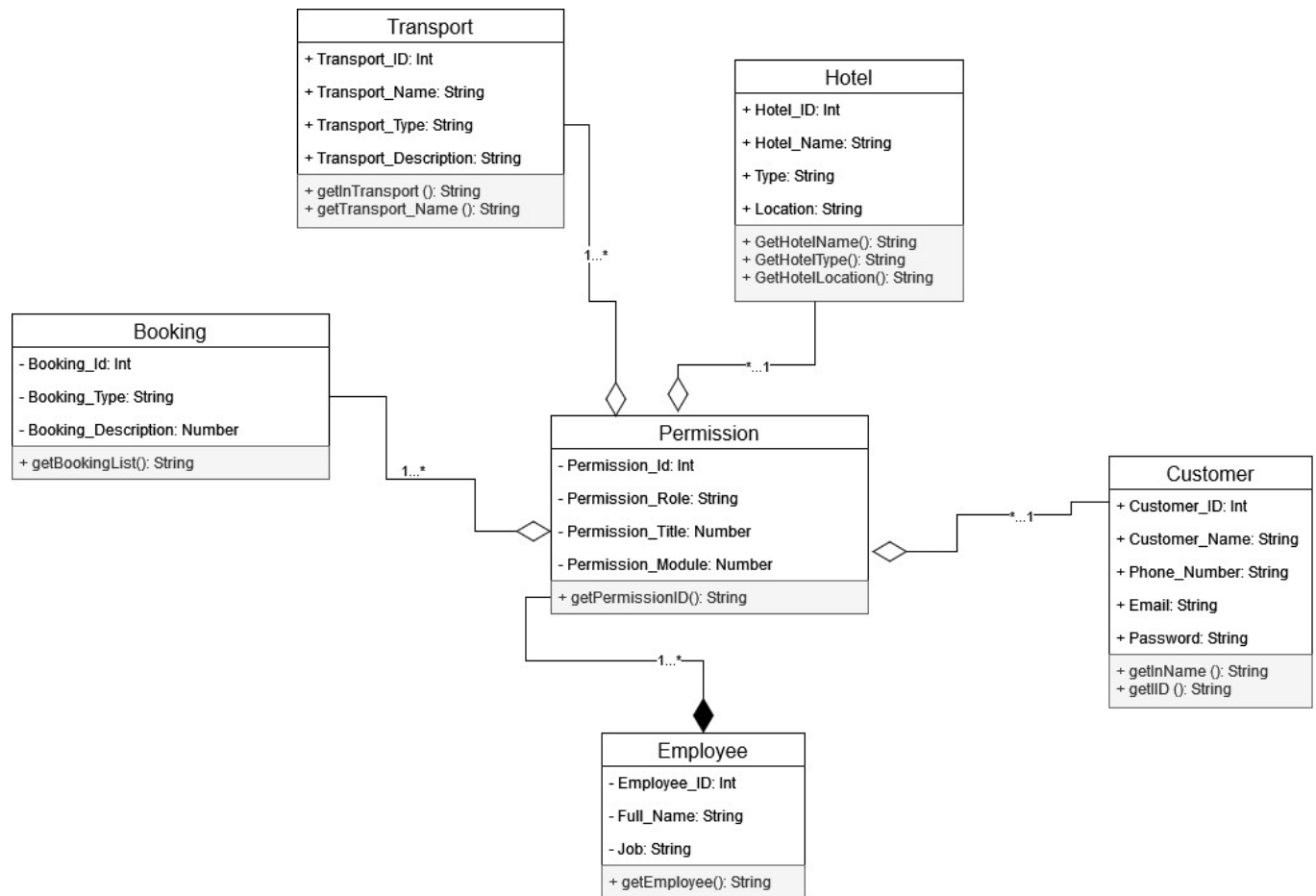
Class name - Employee	
Responsibility	Collaborators
Add employee	
Update employee	
Delete employee	

Class name - Feedback	
Responsibility	Collaborators
Get feedback	Customer
Display feedback	

Class name – Report	
Responsibility	Collaborators
Get list of booking	Customer, Booking
Generate the report	Booking

## Exercise 03

### Class Diagrams



## **Exercise 04**

### Codes

Booking Class:

```
public class Booking {  
  
    private int Booking_Id;  
    private String Booking_Type;  
    private String Booking_Description;  
  
    public Booking(int booking_Id, String booking_Type, String booking_Description) {  
        Booking_Id = booking_Id;  
        Booking_Type = booking_Type;  
        Booking_Description = booking_Description;  
    }  
  
    public int getBooking_Id() {  
        return Booking_Id;  
    }  
}
```

```
public void setBooking_Id(int booking_Id) {  
    Booking_Id = booking_Id;  
}
```

```
public String getBooking_Type() {  
    return Booking_Type;  
}
```

```
public void setBooking_Type(String booking_Type) {  
    Booking_Type = booking_Type;  
}
```

```
public String getBooking_Description() {  
    return Booking_Description;  
}
```

```
public void setBooking_Description(String booking_Description) {  
    Booking_Description = booking_Description;  
}  
}
```

Customer:

```
public class Customer {
```

```
    private int Customer_ID;  
    private String Customer_Name;  
    private String Phone_Number;  
    private String Email;
```

```
    public Customer(int customer_ID, String customer_Name, String phone_Number, String email) {
```

```
Customer_ID = customer_ID;  
Customer_Name = customer_Name;  
Phone_Number = phone_Number;  
Email = email;  
}
```

```
public int getCustomer_ID() {  
    return Customer_ID;  
}
```

```
public void setCustomer_ID(int customer_ID) {  
    Customer_ID = customer_ID;  
}
```

```
public String getCustomer_Name() {  
    return Customer_Name;  
}
```

```
public void setCustomer_Name(String customer_Name) {  
    Customer_Name = customer_Name;  
}
```

```
public String getPhone_Number() {  
    return Phone_Number;  
}
```

```
public void setPhone_Number(String phone_Number) {  
    Phone_Number = phone_Number;  
}
```

```
public String getEmail() {  
    return Email;  
}
```

```
public void setEmail(String email) {  
    Email = email;  
}  
}
```

Employee:

```
public class Employee {  
  
    private int Employee_ID;  
    private String Full_Name;  
    private String Job;  
  
    public Employee(int employee_ID, String full_Name, String job) {  
        Employee_ID = employee_ID;  
        Full_Name = full_Name;  
        Job = job;  
    }  
  
    public int getEmployee_ID() {  
        return Employee_ID;  
    }  
  
    public void setEmployee_ID(int employee_ID) {  
        Employee_ID = employee_ID;  
    }  
}
```

```
public String getFull_Name() {  
    return Full_Name;  
}
```

```
public void setFull_Name(String full_Name) {  
    Full_Name = full_Name;  
}
```

```
public String getJob() {  
    return Job;  
}
```

```
public void setJob(String job) {  
    Job = job;  
}  
}
```

Hotel:

```
public class Hotel {  
    private int Hotel_ID;  
    private String Hotel_Name;  
    private String Type;  
    private String Location;  
  
    public Hotel(int hotel_ID, String hotel_Name, String type, String location) {  
        Hotel_ID = hotel_ID;
```



```
    Hotel_Name = hotel_Name;  
    Type = type;  
    Location = location;  
}
```

```
public int getHotel_ID() {  
    return Hotel_ID;  
}
```

```
public void setHotel_ID(int hotel_ID) {  
    Hotel_ID = hotel_ID;  
}
```

```
public String getHotel_Name() {  
    return Hotel_Name;  
}
```

```
public void setHotel_Name(String hotel_Name) {  
    Hotel_Name = hotel_Name;  
}
```

```
public String getType() {  
    return Type;  
}
```

```
public void setType(String type) {  
    Type = type;  
}
```

```
public String getLocation() {  
    return Location;  
}
```

```
public void setLocation(String location) {  
    Location = location;  
}  
}
```

Permission:

```
public class Permission {  
  
    private int Permission_Id;  
    private String Permission_Role;  
    private String Permission_Title;  
    private String Permission_Module;  
  
    public Permission(int permission_Id, String permission_Role, String permission_Title, String  
permission_Module) {  
        Permission_Id = permission_Id;  
        Permission_Role = permission_Role;  
        Permission_Title = permission_Title;  
        Permission_Module = permission_Module;  
    }  
  
    public int getPermission_Id() {  
        return Permission_Id;  
    }  
}
```

```
public void setPermission_Id(int permission_Id) {  
    Permission_Id = permission_Id;  
}  
  
public String getPermission_Role() {  
    return Permission_Role;  
}  
  
public void setPermission_Role(String permission_Role) {  
    Permission_Role = permission_Role;  
}  
  
public String getPermission_Title() {  
    return Permission_Title;  
}  
  
public void setPermission_Title(String permission_Title) {  
    Permission_Title = permission_Title;  
}  
  
public String getPermission_Module() {  
    return Permission_Module;  
}  
  
public void setPermission_Module(String permission_Module) {  
    Permission_Module = permission_Module;  
}  
}
```

Wildlife/main:

```
import java.awt.print.Book;
```

```
public class WildLife {
```

```
    public static void main(String [] args) {
```

```
        Book book;
```

```
        Customer customer;
```

```
        Employee employee;
```

```
        Hotel hotel;
```

```
        Permission permission;
```

```
        Transport transport;
```

```
    }
```

```
}
```

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