

M.Sc. (Information Technology) Programme

Project Report

7th Semester

M.Sc. (Information Technology)

5 Years Integrated Course

Year 2017-18

The Hospitality Management System

Guided By :

Mr.Mitesh Chauhan

Submitted By :

**Archana Shah
Charmi Shah
Keyuri Master**

Ocean Infotech.

253, FF, Massimo, Opp. Tirupati Shyam Villa, Near pal Shopping., Near Safal Bunglows, Bhimrad-Althan
Road, Surat, Gujarat 395017

Veer Narmad South Gujarat University, Surat.

M.Sc. (Information Technology) Programme

Certificate

This is to certify that Miss.Archana Shah Exam Seat Number :063 , Miss.Chami Shah Exam Seat Number: 064 and Miss.Keyuri Master Exam Seat Number:035 has satisfactorily completed their project work entitled **The Hospitality Management System** as a partial fulfilment of the requirements for 7th Semester - **M.Sc.(Information Technology) [5 Year course]**, during the academic Year 2017-18.

Date: 23/12/17

Place: Surat

**Course Co-ordinator
M.Sc. (I.T.) Programme.
VN South Gujarat University,**



Date: 21-12-17

Certificate

This is to Certify That **Miss.Archana Shah(063)** ,**Miss. Keyuri Master(035)** and **Miss. Charmi Shah(064)** Pursing their **M.Sc(IT)**, 7th Semester Project training has successfully completed at **Ocean Infotech** from 03-08-17 to 21-12-17.

We found **Miss.Archana Shah(063)** , **Miss. Keyuri Master(035)** and **Miss. Charmi Shah(064)** sincere, hardworking, and technically sound and result oriented. They worked well on Project **The Hospitality Management System** has been most and same was assigned project by us for their training period.

They proved themselves hard worker and better team member. We take this opportunity to thank them and wish to all the best for their future.

For, **Ocean Infotech**

(Authorized Signature)

Ocean Infotech.

253, FF, Massimo, Opp. Tirupati Shyam Villa, Near pal Shopping., Near Safal Bunglows, Bhimrad-Althan Road, Surat, Gujarat 395017.

Website: www.oceaninfotechs.com E-Mail: info@oceaninfotechs.com

ACKNOWLEDGEMENT

We would like to take this opportunity to acknowledge the entire person who has directly or indirectly been involved with us in making our project feasible and to run it up into a successful piece of work.

Learning is an ongoing process. During our academic years in M.Sc. IT Course, we learnt a variety of things related to software and technical concept. The activity of going through the “Industrial Training” has given us an opportunity to implement these learnt concepts and also learn the new ones. It has thus bridged the gap between “Academics” and real-life work of the “IT Industry”.

We express our sincere and heartfelt gratitude to Mr.Dhaval Joshi, our Internal Guide for being helpful and co-operative during the period of the project.

We are very grateful to Ocean Info Tech for providing valuable resources and project to us. We owe debt of gratitude to Mr.Mitesh Chauhan, our External Guide for bestowing his faith in us and giving us the privilege of working in such an esteemed company.

- Archana J Shah
- Charmi H Shah
- Keyuri P Master

INDEX

No	Topics	Pg. No
1.	Introduction	
	1.1 Company Profile	1
	1.2 Project Profile	2
2.	Proposed System	
	2.1 Scope	3
	2.2 Objective	3
	2.3 Advantages	3
	2.4 Limitation	3
3.	Environment Specification	
	3.1 Hardware & Software Requirements	4
4.	System Planning	
	4.1 Feasibility Study	5
	4.2 Project Schedule	
	4.2.1 Task Dependency	6
	4.2.2 Timeline Chart	7
5.	System Analysis	
	5.1 Detailed SRS	8
	5.2 UML Diagram	
	5.2.1 Use Case Diagram	11
	5.2.2 CRC	16
	5.2.3 Class Diagram	18
	5.2.4 Activity Diagram	23
	5.2.5 Sequence Diagram	30
	5.3 E-R Diagram	38
6.	Software Design	
	6.1 Database Design	39
	6.2 Interface Design	50
	6.3 Architecture Design	81
7.	Testing	
	7.1 Unit testing	82
	7.2 Integration Testing	85
8.	Future Enhancement	89
9.	Reference	89

Hospitality Management System | 2017

COMPANY PROFILE

Name :	Ocean InfoTech
Address :	253 FF, Massimo, opp. Tirupati Shyam Villa, Bhimrad Althan Road, Surat – 39 017. Gujarat, India.
Director:	Mr. Mitesh Chauhan
Company Type:	IT Solutions & Services
Contact No.:	(M) 9898662252
E-mail :	info@oceaninfotechs.com
Website:	www.oceaninfotechs.com
Introduction:	Ocean InfoTech is trusted as the best web development company and we deal with software development, design and mobile application.
Development:	Web Designing and Web Development Mobile Application Development Desktop Application

PROJECT PROFILE

Project Title:	Hospitality Management System
Project Objective:	To provide better facility to our client to handle customer data
Origination:	Ocean Info Tech
Operating System:	Windows 7/ Windows 8 / Windows 10
Front-End:	C#
Back-End:	Microsoft SQL server 2012
Tool:	Visual Studio 2010
Application Server:	IIS(local host)
Project Category:	Web based Application
Team Members:	3
Duration:	Approximately 3 months
Internal Project Guide:	Mr.Dhaval Joshi
External Project Guide:	Mr.Mitesh Chauhan
Submitted By:	Archana Shah Charmi Shah Keyuri Master
Submitted To:	M.Sc.(IT) Program , J. P. Dawer Institute Of Information Science & Technology- VNNSGU – Surat.

PROPOSED SYSTEM

Scope:

The hospitality management system is mainly for receptionist side to provide better facility to maintain customer's Booking, Reservation, Check-in, Checkout information.

Report Generation facility is given to Receptionist for keeping track of daily routines (Check-ins, Checkouts, Housekeeping),transaction maintenance through reports (Tax report, Sales Report, Other Charges Report) Admin can maintain Hotel Architecture information (Wings, Floors, Rooms) and Employee related data.

Objective:

- Add Reminder Facility for admin
- Online Inquiry notification for admin
- GUI for booking ,reservation ,check-in, checkout details for receptionist
- Direct check-in facility
- Daily housekeeping report ,booking report ,tax report, other charges report, sales report
- GUI for Rooms information
- Online room information for user
- Online inquiry facility for user
- Online review facility for user
- Inquiry submission notification through e-mail to client

Advantages:

- Housekeeping frequency updating facility as per client requirements
- Payment can be done in installments during staying duration
- Restaurants remaining bills can be paid at checkout time
- Online booking can be done
- Housekeeping staff can be provided with details for currently checked-in rooms
- Payments can be maintained through crystal reports
- Employees can be notified through reminders for meetings
- Searching for customer details for booking and reservation as per dates

Limitations:

- Online Payment facility can be added to enhance project

ENVIRONMENT SPECIFICATION

- Hardware configuration of machine used
 - Processor Speed : Intel Core I5 with 2.40 GHz
 - RAM : 4.00 GB or Higher
 - Hard Disk : 80 GB or Higher
- Software used along with the version
 - Operating System : Win 7 / Win 8 / Win 10
 - Language : C#
 - Technologies : MVC,HTML5, Javascript, Jquery, AJAX, CSS3.
- Databases : MS SQL Server 2008
 - Web/Application server: IIS (Localhost)

FEASIBILITY STUDY

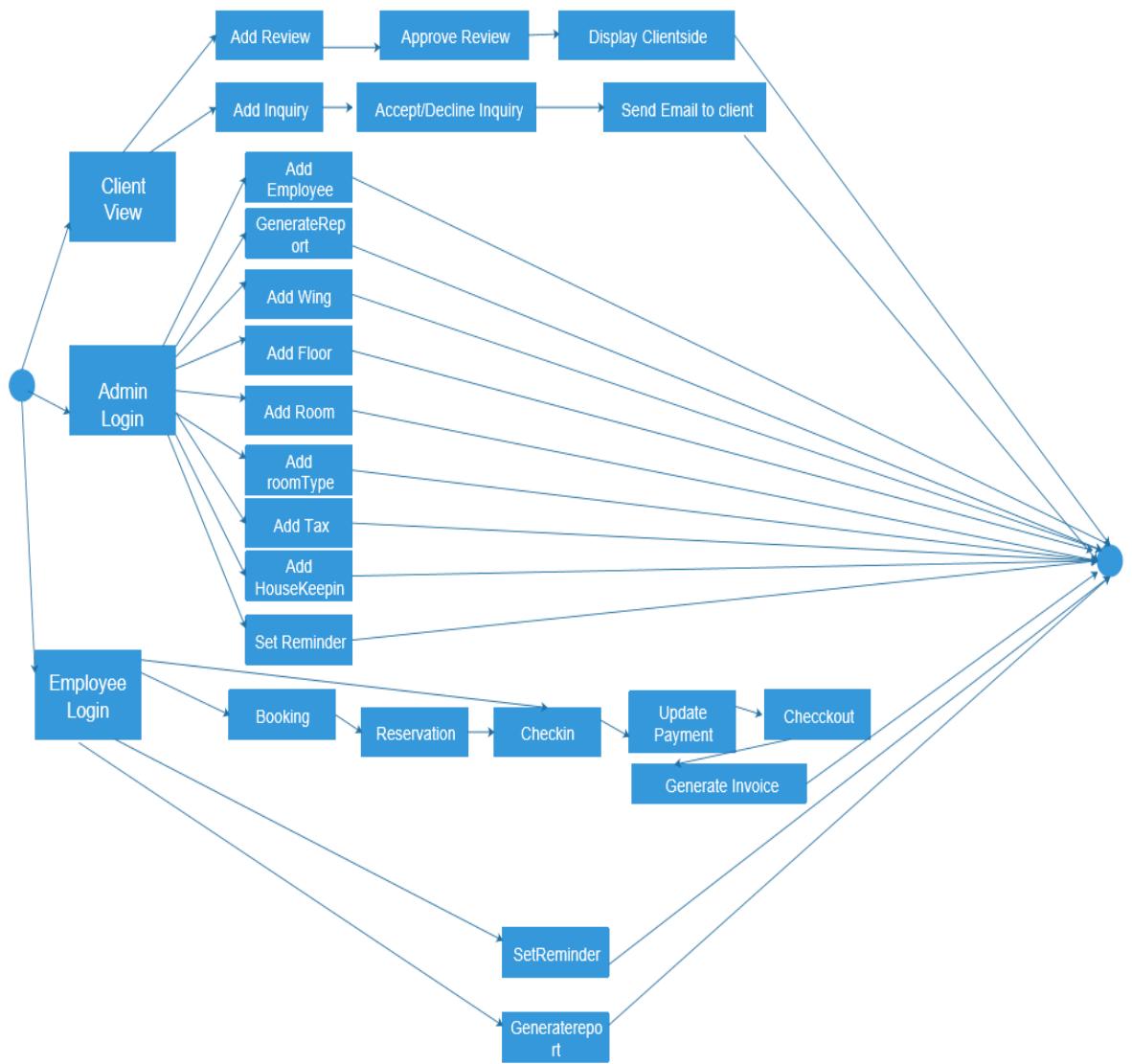
An important outcome of the preliminary investigation is the determination that the requested system is feasible. The feasible study is carried out to examine the likelihood that system will be useful to the organization.

The feasible of our project has been judged on the basis of four entities:

- Time
- Technology
- Resources available
- Project length

- Time:
The duration allotted to complete the project was 1 month.
- Technology:
The project is built using visual studio 2010 and using MVC architecture.
- Finance:
No budgeting constraints were imposed on software so finance is not a problem.
- Resource:
The hardware and software components and human resource availability is sufficient enough to engineer the project.

TASK DEPENDENCY



TIMELINE CHART

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Task Name															
1)Requirement Analysis															
Collected requirement from our guide															
Analyze gathered information															
Determine different modules															
2)Planning & Risk Analysis															
Analyze data for possible risk															
Identify technical risk															
Determine different modules															
3) Designing															
Design basic interface of the site															
Design database tables															
Design Views for Controller's Action Methods															
4)Coding and integrating modules															
Implement ADO.net Entity Model															
Implement logic for Different Action Methods															
Implement Crystal report															
Integrate different modules															
5)Testing															
Validate input controls and check accuracy of Reports															

SOFTWARE REQUIREMENT SPECIFICATION

Requirement Gathering:

Following modules are included in the System:

- Admin Side:
 - Manage Employee
 - Manage Wing
 - Manage Floor
 - Manage Room
 - Add Tax
 - Manage Housekeeping Frequency
 - Add Reminder
 - Inquiry Notification
- Receptionist Side:
 - Calendar view for Booking ,Reservation ,Check-in ,Checkout detail room wise
 - Booking
 - Reservation
 - Check-in
 - Change Housekeeping Frequency as per customer requirement
 - Checkout
 - Daily Check-in /checkout reports
 - Daily Housekeeping report
 - Booking report
 - Sales Report
 - Tax report
 - Other charges report
 - Room tree
- User Side:
 - Inquiry request
 - Provide Review

Functional Requirements

- Manage Employee: Admin can add employee details.
 - Inputs/Outputs: All the necessary details for employee like name, designation, password etc.
 - Validation: Necessary validation like valid details are inserted or not and field are required or not.
- Manage Wing: Admin can do CRUD operations including searching.

Hospitality Management System | 2017

- Inputs/Outputs: All the necessary details for wing like id and name
 - Validation: Necessary validation like valid details are inserted or not and field are required or not.
- Manage Floor: Admin can do CRUD operations including searching
- Inputs/Outputs: All the necessary details for floor like id and name.
 - Validation: Necessary validation like valid details are inserted or not and fields are required or not.
- Manage Room :Admin can do DRUD operatons including searching
- Inputs/Outputs: All the necessary details for rooms like room name and id.
 - Validation: necessary validation like valid details are inserted or not and fields are required or not
- Manage Room type: Admin can do CRUD operations like searching.
- Inputs/Outputs: All necessary details for room's type like name and id.
 - Validation: necessary validation like valid details are inserted or not and fields are required or not
- Manage Tax: Admin can do CRUD operations like searching.
- Inputs/Outputs: All necessary details for tax like name and id.
 - Validation: necessary validation like valid details are inserted or not and fields are required or not.
- Manage Housekeeping: Admin can add the housekeeping details.
- Inputs/Outputs: All necessary details like housekeeping and frequency.
 - Validation: necessary validation like valid details are inserted or not and fields are required or not.
- Set reminder: Admin or employee can set reminder and admin can send it to the selected employees.
- Inputs/Outputs: All necessary details for reminder like the name and description of the meeting or any other type of reminder.
 - Validation: necessary validation like valid details are inserted or not and fields are required or not.
- Reviews: Client can add reviews. Admin can approve and declined to display reviews of the clients on client side.
- Inputs/Outputs: All necessary details for reviews.
 - Manage Inquiry: Client can add inquires and admin can approve or decline the inquiries of the clients.
 - Inputs/Outputs: All necessary for Inquiry like client details, room details and member details.
 - Validation: necessary validation like valid details are inserted or not and fields are required or not.

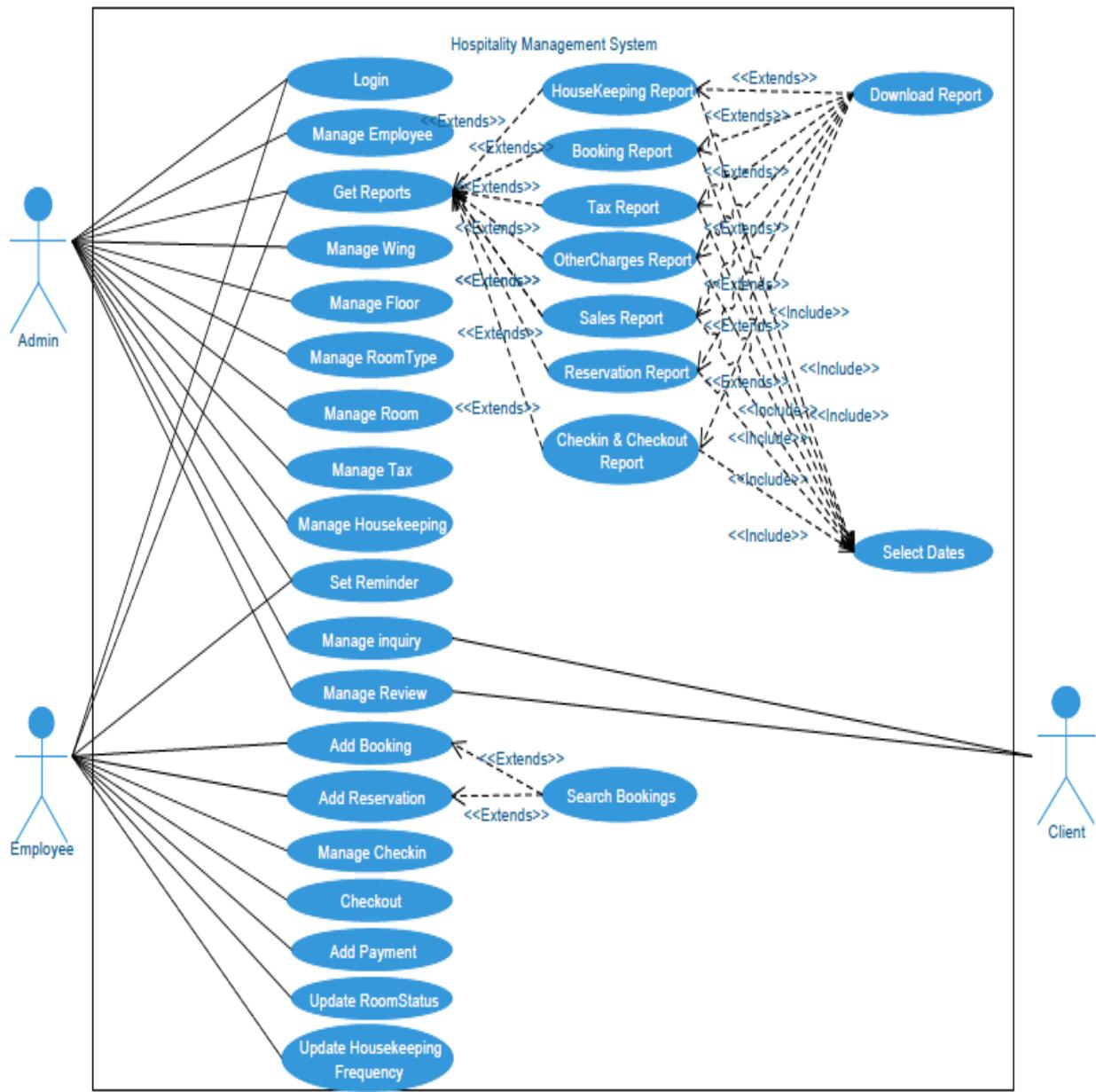
- Manage Booking: Employee can add client's data for booking.
 - Inputs/Outputs: necessary details for booking like client's details and payment details.
 - Validation: necessary validation like valid details are inserted or not, fields are required or not and digits validation.
- Manage Reservation: Employee can add client's details for reservation and searching for booked clients
 - Inputs/Outputs: necessary details for reservation like client's details and payment details.
 - Validation: necessary validation like valid details are inserted or not, fields are required or not and digits validation.
- Manage Check-in: Employee can add client's details for check in and search for reserved client's details.
 - Inputs/Outputs: necessary details for check in like client's details and payment details.
 - Validation: necessary validation like valid details are inserted or not, fields are required or not and digits validation.
- Generating reports: Reports are generated for managing sales, bookings, Housekeeping, tax, and other charges. Reports can be generated month-wise, day-wise, year-wise.

Non-Functional Requirements

- Authentication: Proper Authentication has been maintained, along with flexibility to modify and view data. No user can change unique and confidential data of another.
- Minimized Code: We have minimized the lines of code as well as kept reusability of code as top priority. Less processing and loading time has been kept under consideration.
- Reports: Timely Reports can be generated according to the need of the system user.
 - Daily Housekeeping report
 - Booking report
 - Tax report
 - Other charges report
 - Sales report
 - Reservation report

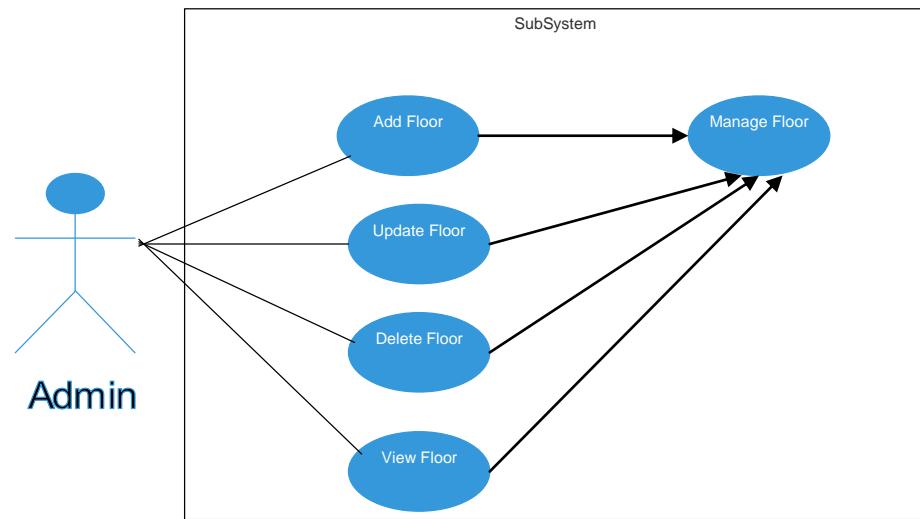
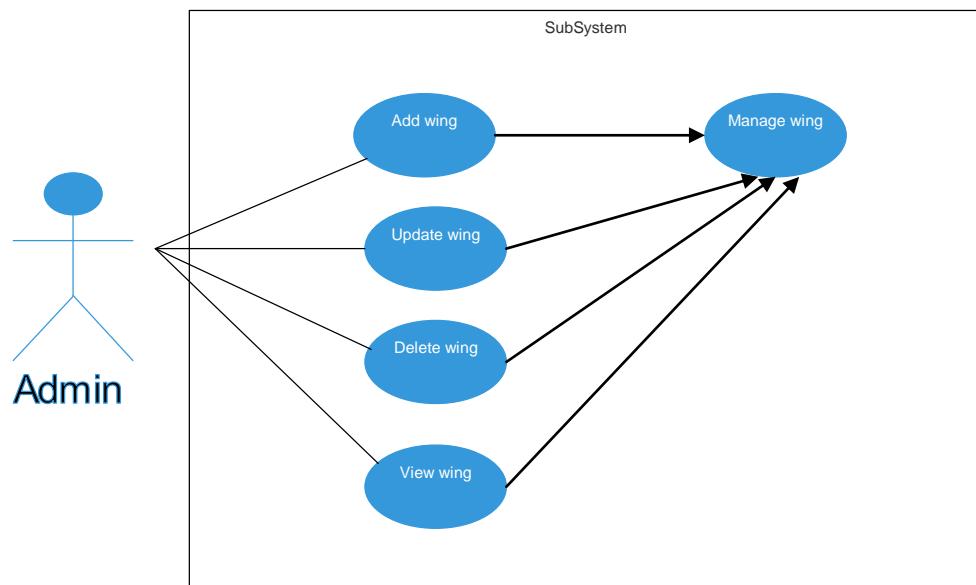
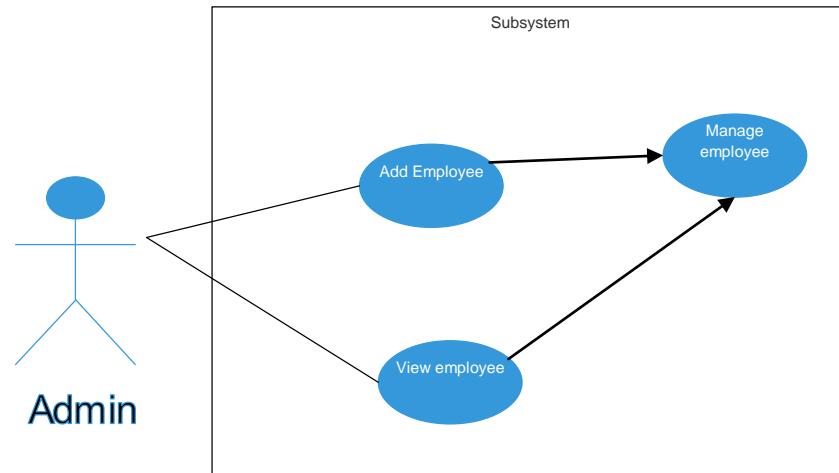
USECASE DIAGRAM

- Main Use Case:

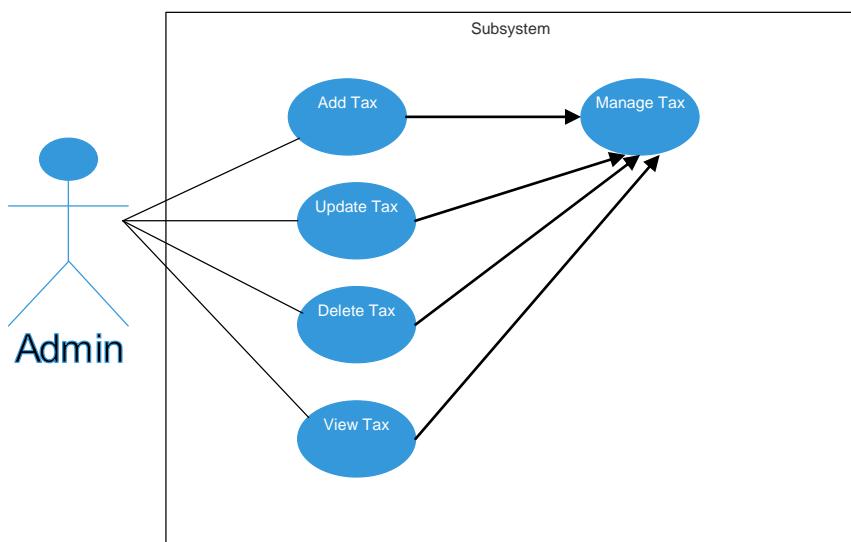
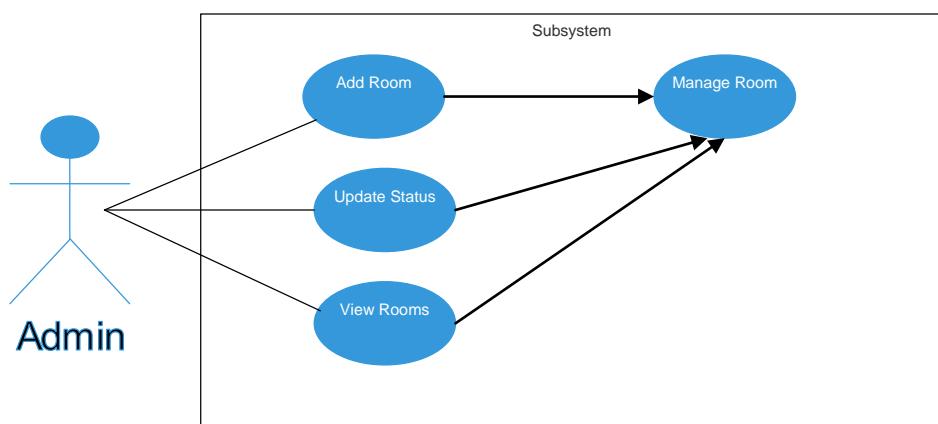
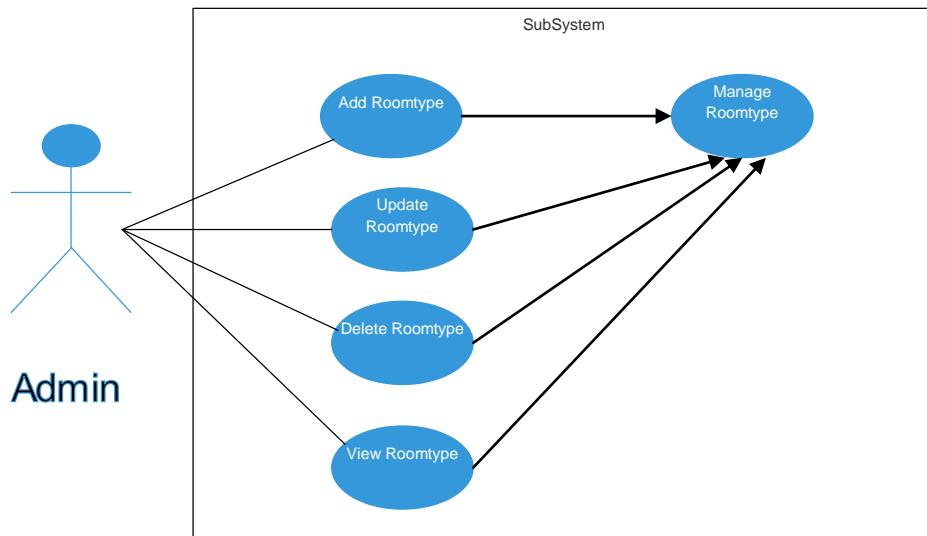


Hospitality Management System | 2017

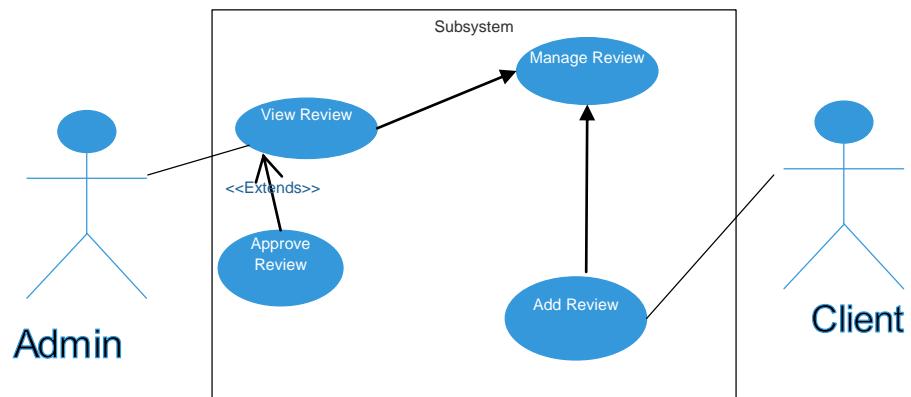
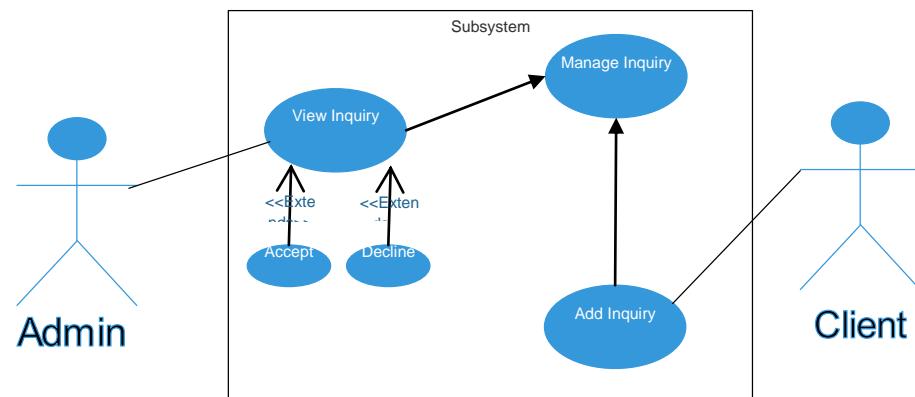
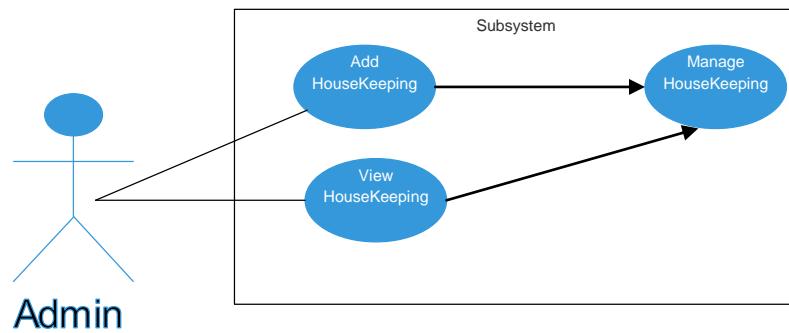
➤ Sub Use Cases:



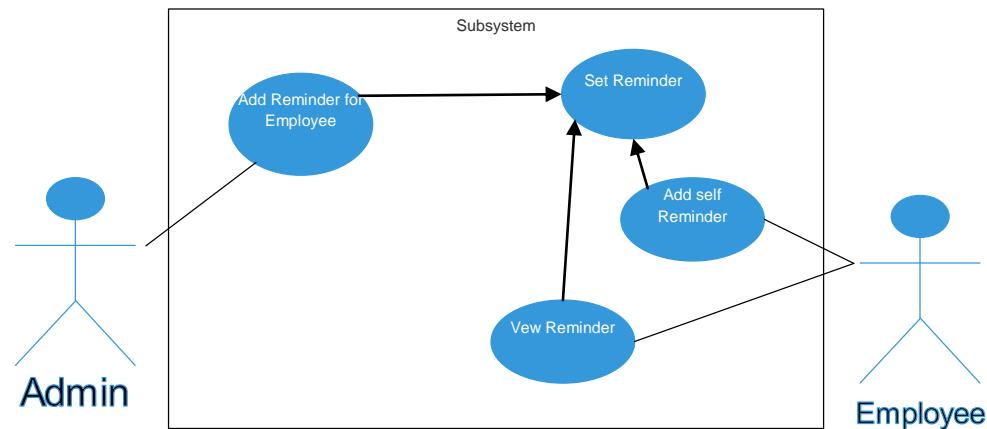
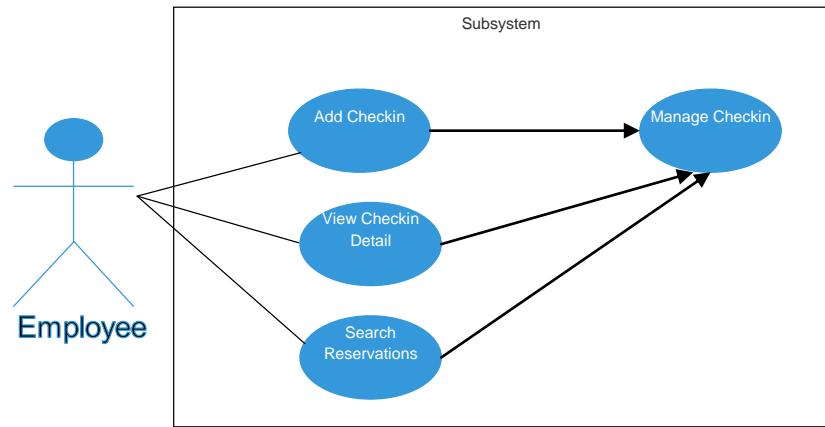
Hospitality Management System | 2017



Hospitality Management System | 2017

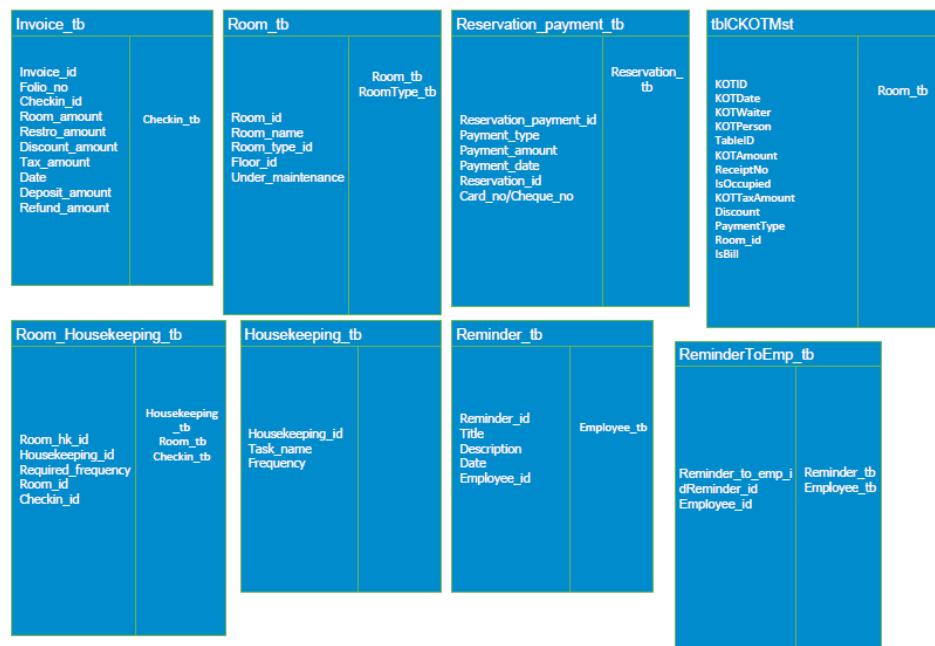
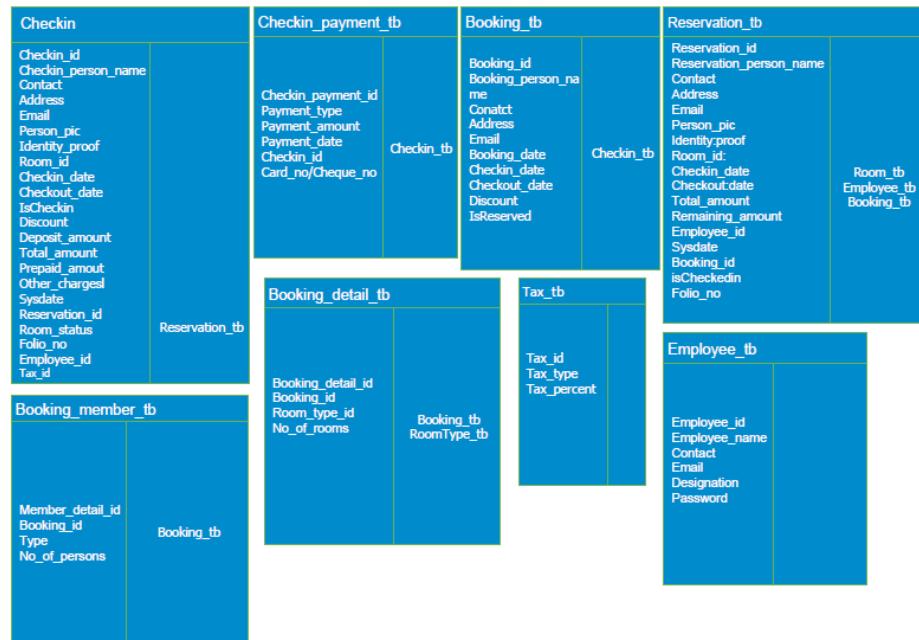


Hospitality Management System | 2017

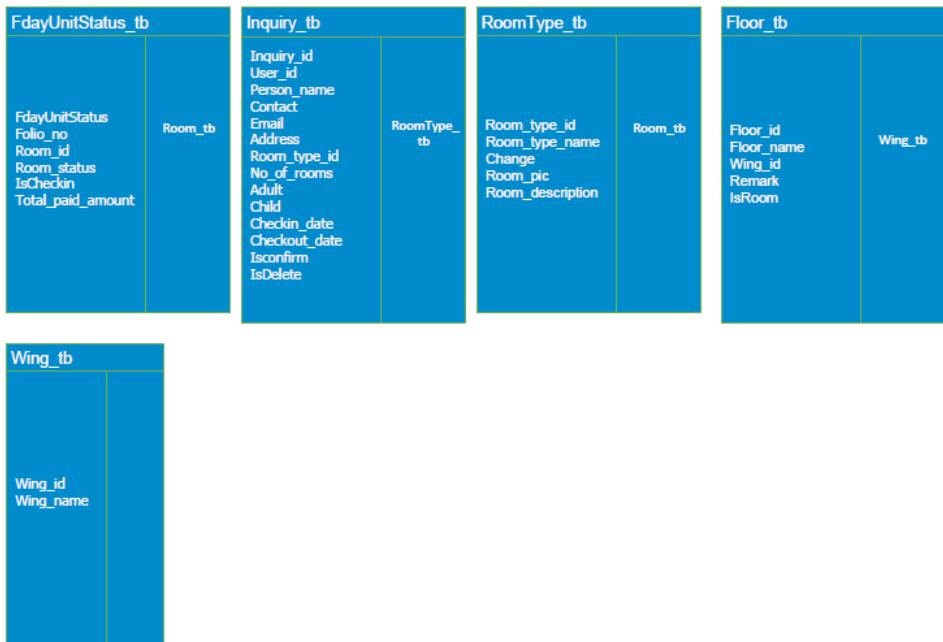


Hospitality Management System | 2017

CLASS RESPONSIBILITY COLLABRATION DIAGRAM



Hospitality Management System | 2017



CLASS DIAGRAM

HomeController

+Index():ActionResult
+Index(string,string):ActionResult
+OtherCharges():ActionResult
+GetOtherCharge(DateTime,DateTime):ActionResult
+DownloadOtherChargeReport(DateTime,DateTime):ActionResult
+Salesreport():ActionResult
+GetSales(DateTime,DateTime):ActionResult
+DownloadSalesReport(DateTime,DateTime):ActionResult
+BookingReport():ActionResult
+GetBookings(DateTime,DateTime):ActionResult
+DownloadBookingReport(DateTime,DateTime):ActionResult
+GenerateHousekeepingReport():ActionResult
+GenerateHousekeepingReportP():ActionResult
+TaxReport():ActionResult
+GetTax(DateTime,DateTime):ActionResult
+DownloadTaxReport(DateTime,DateTime):ActionResult
+Reservation():ActionResult
+GetReservation(DateTime,DateTime):ActionResult
+DownloadReservation(DateTime,DateTime):ActionResult

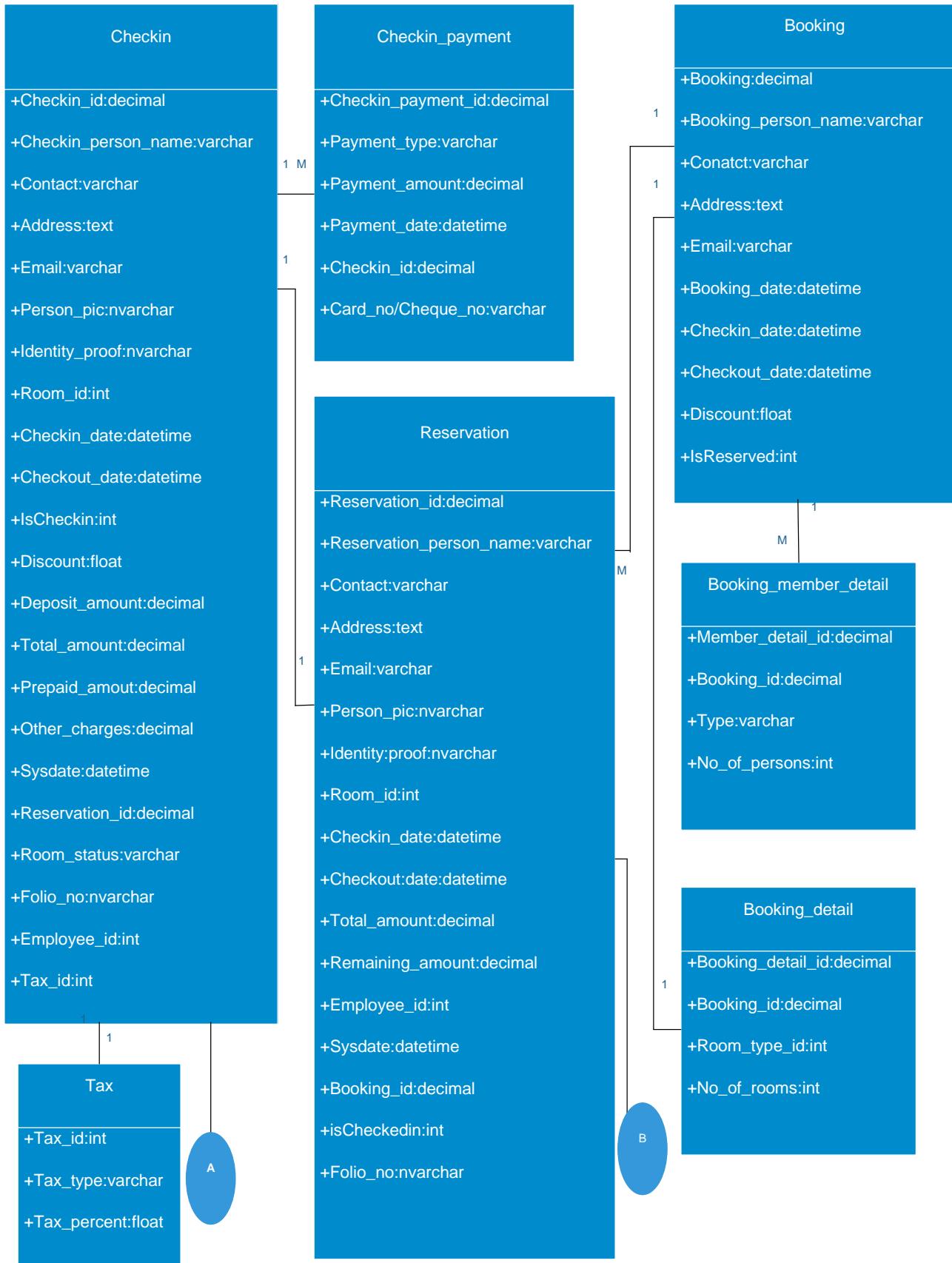
UserController

+BookingInfo():ActionResult
+BookingInfo(FormCollection):ActionResult
+GalleryInfo():ActionResult
+about():ActionResult
+eventinfo():ActionResult
+Index():ActionResult
+Index(FormCollection):ActionResult
+ContactInfo():ActionResult
+ContactInfo(FormCollection):ActionResult
+Rooms():ActionResult
+roomdetails():ActionResult

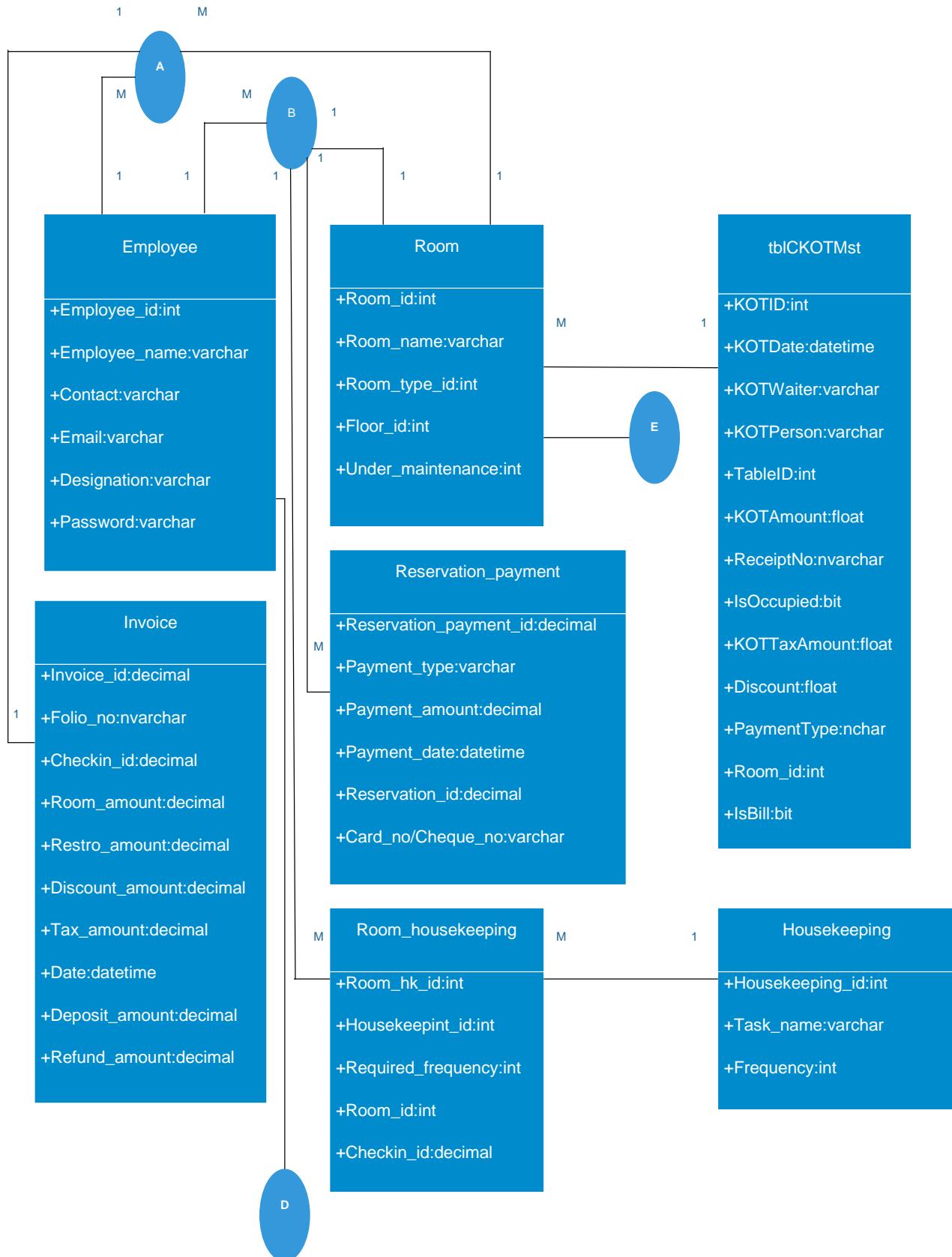
EmployeeController

```
+Index():ActionResult  
+GetEvents():JsonResult  
+DirtyStatus(int):ActionResult  
+CleanStatus(int):ActionResult  
+GetEventsCheckout():JsonResult  
+GetEventsBooking():JsonResult  
+GetEventsReservation():JsonResult  
+GetRooms():JsonResult  
+GetCheckinDetails(int):JsonResult  
+GetRemainingBills(int):ActionResult  
+GetRoomName(int):JsonResult  
+IndexStatus():void  
+fillBookingDropAjax(string):ActionResult  
+fillBookingformAjax(int):ActionResult  
+Booking():ActionResult  
+Booking(FormCollection):ActionResult  
+fillCheckinDropFromReservation(string):ActionResult  
+fillCheckinFormAjax(int):ActionResult  
+Checkin(decimal,int):ActionResult  
+Checkin/FormCollection,HttpPostedFileBase[]):ActionResult  
+UpdateCheckout(decimal):void  
+Index/FormCollection):ActionResult  
+GetDates(decimal):JsonResult  
+GetFrequency(decimal):JsonResult  
+UpdateFrequency(decimal,string[]):ActionResult  
+fillFloor(int):ActionResult  
+fillRoom(int,int):ActionResult  
+AddReservation(decimal):ActionResult  
+AddReservation/FormCollection,HttpPostedFileBase[]):ActionResult  
+fillReservationFormAjax(decimal):ActionResult  
+FillRate(int):ActionResult  
+Roomtree():ActionResult  
+GetRoomName1(int):JsonResult  
+GetCheckinDetails1(int):JsonResult  
+UpdatePayment(int,decimal,string,string):ActionResult  
+GenerateDailyCheckInReport():ActionResult  
+SetReminder():ActionResult  
+SetReminder/FormCollection):ActionResult  
+Webcam():ActionResult  
+Capture():ActionResult  
+GetCapture():ContentResult  
-ConvertHexToBytes(string):byte[]
```

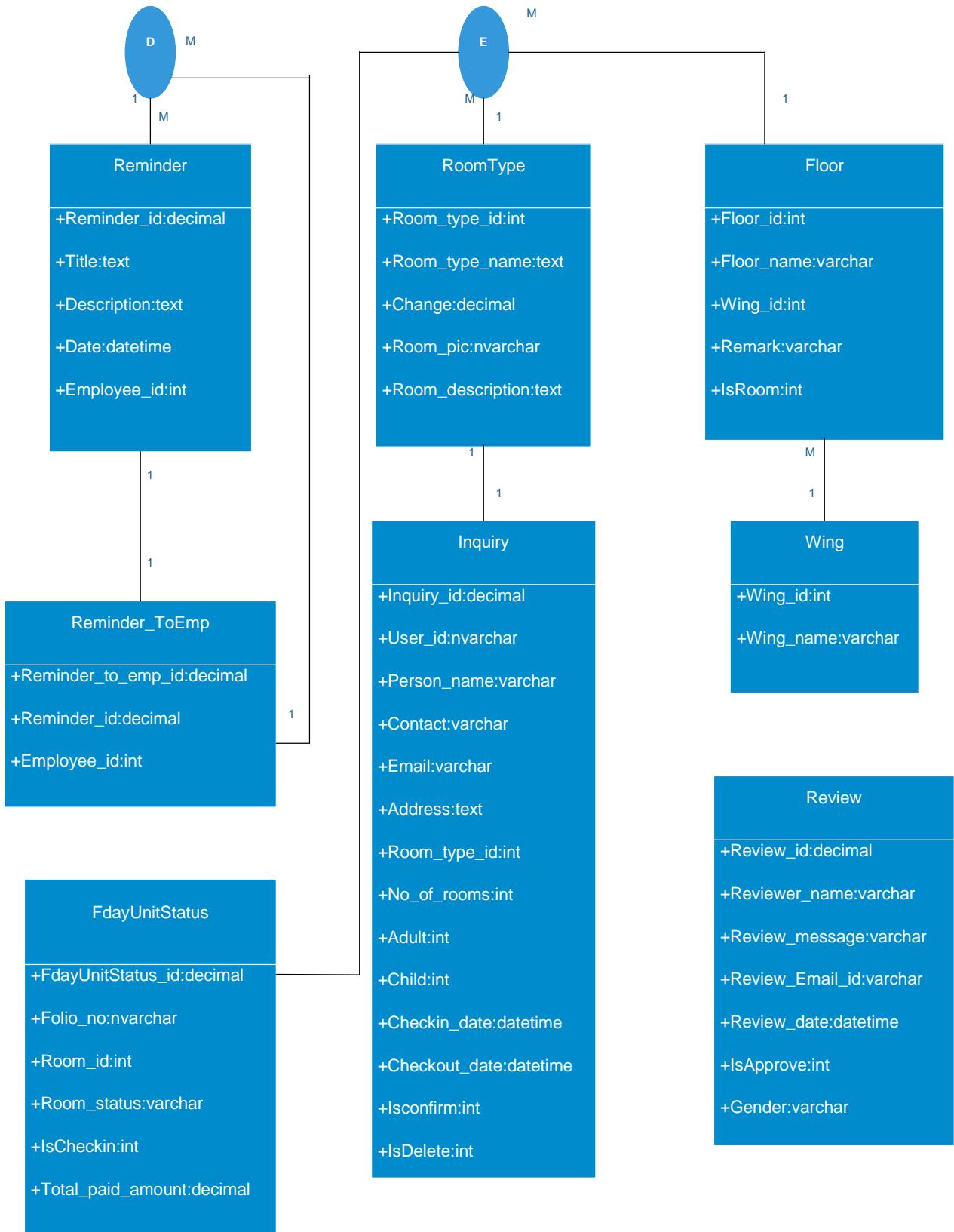
Hospitality Management System | 2017



Hospitality Management System | 2017

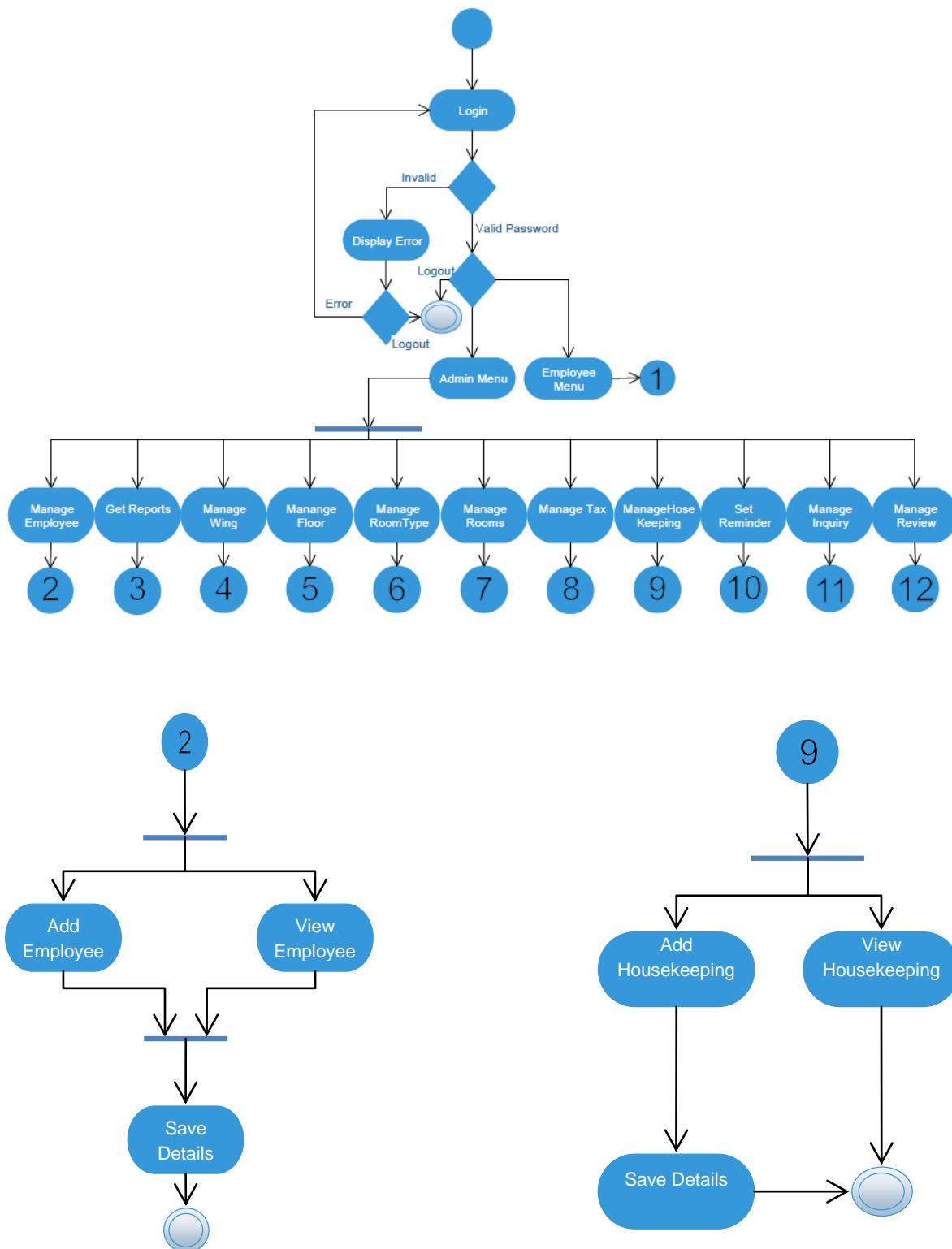


Hospitality Management System | 2017

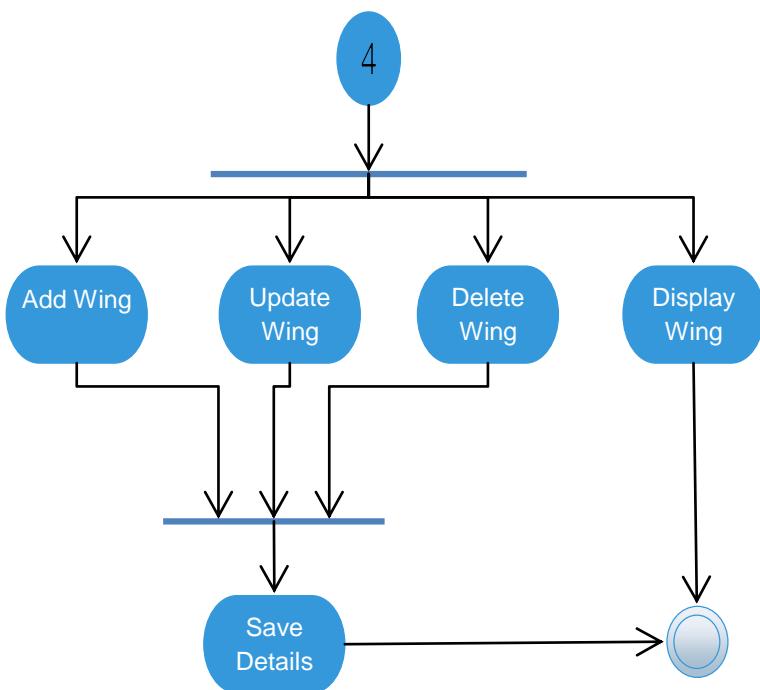
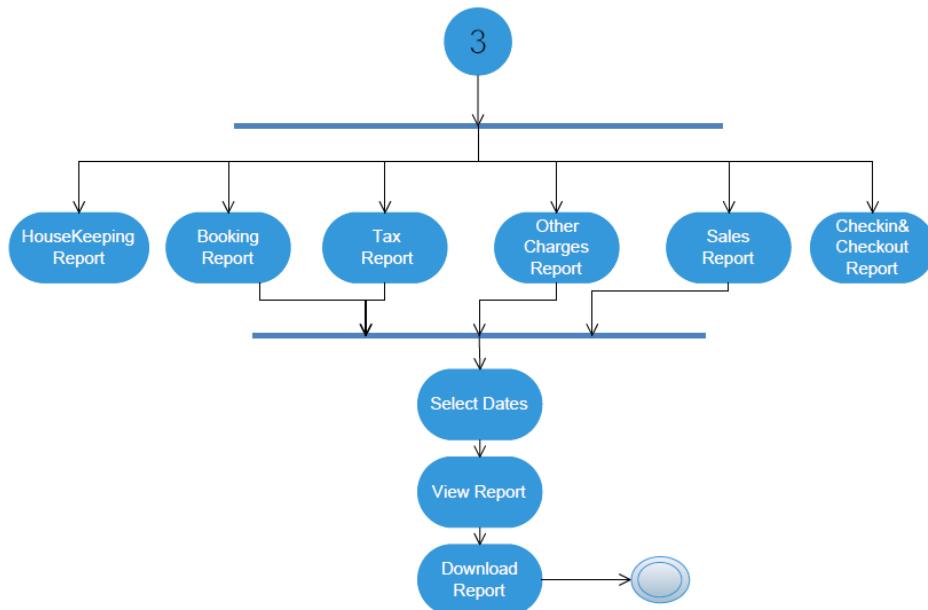


Hospitality Management System | 2017

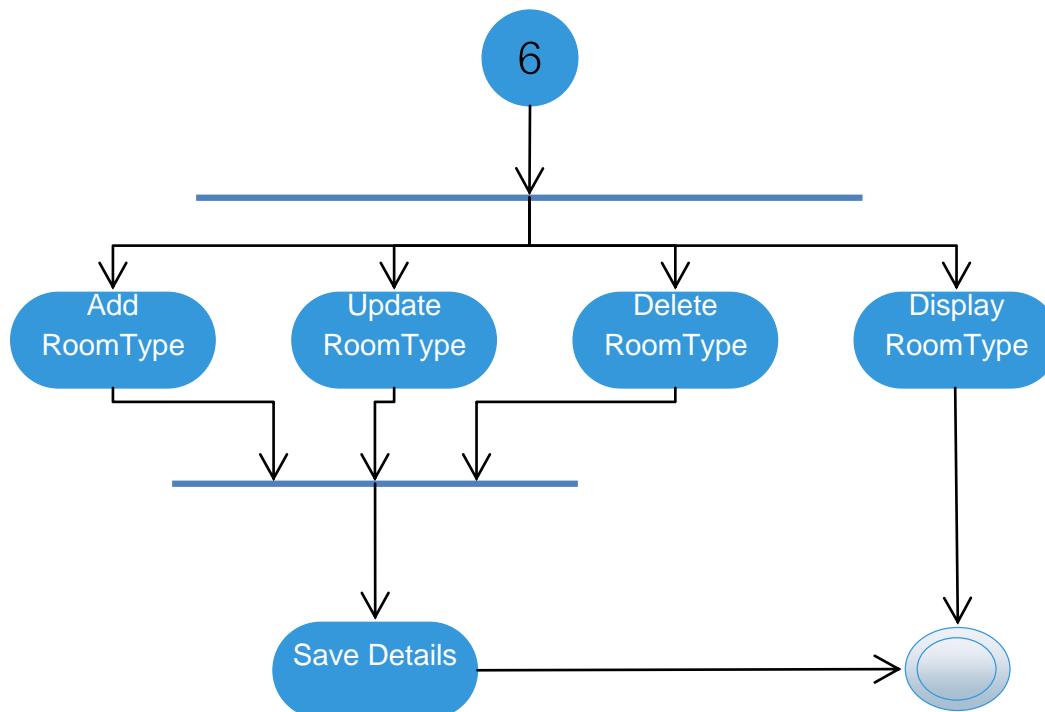
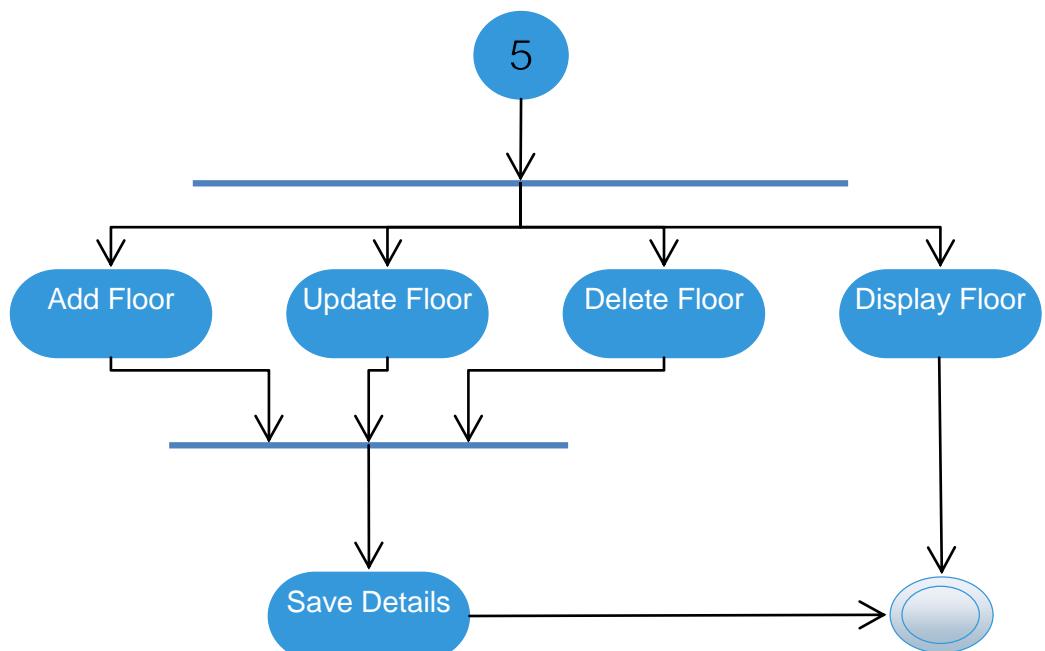
ACTIVITY DIAGRAM



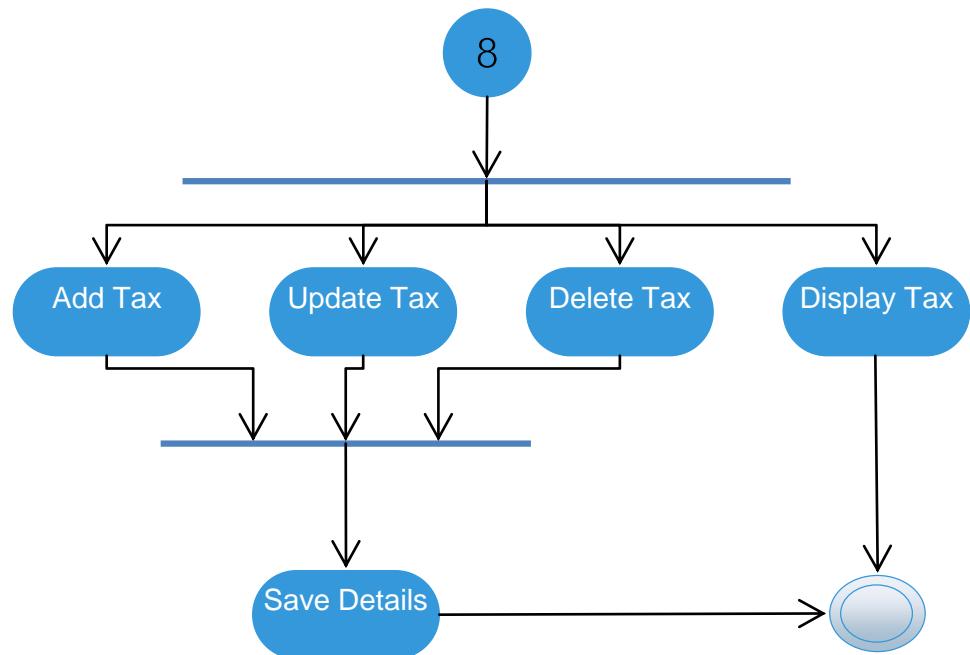
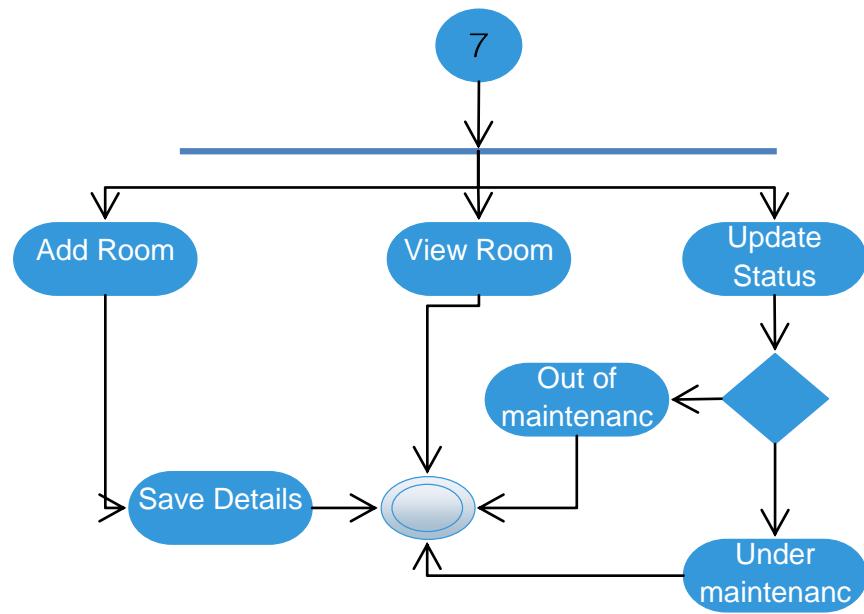
Hospitality Management System | 2017



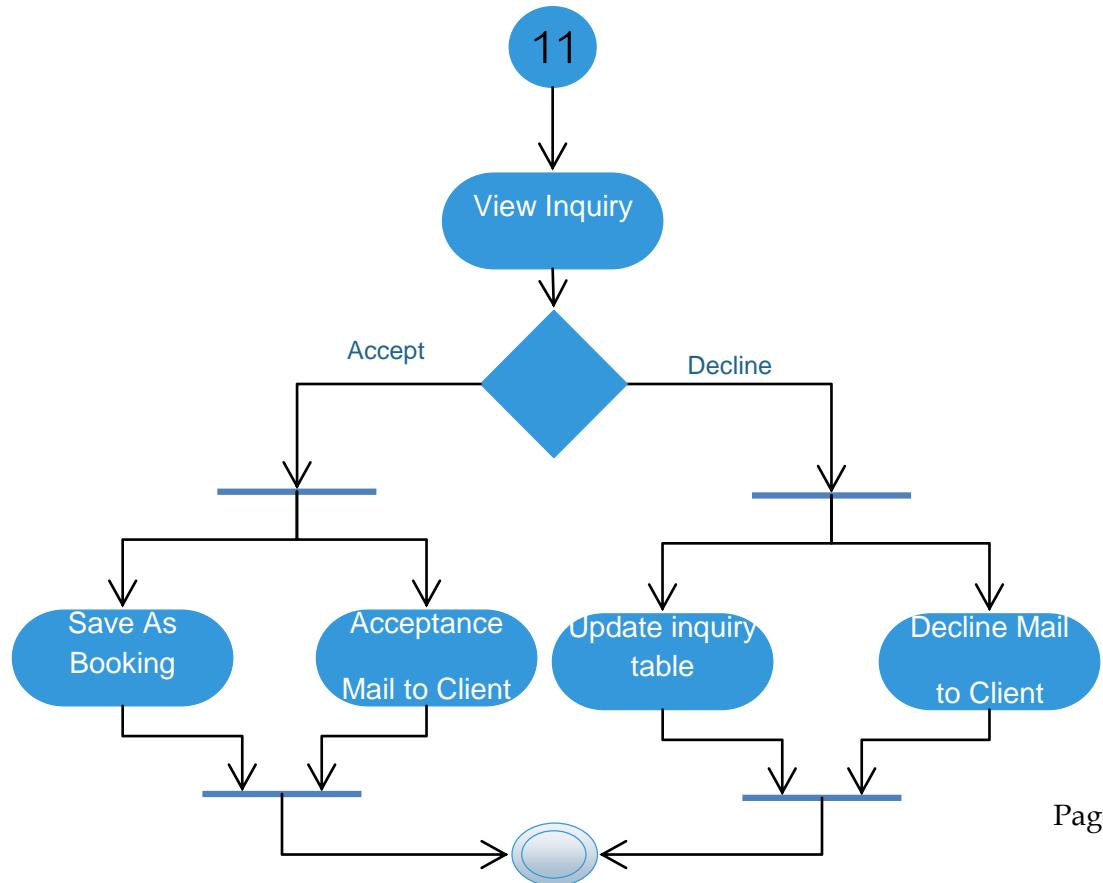
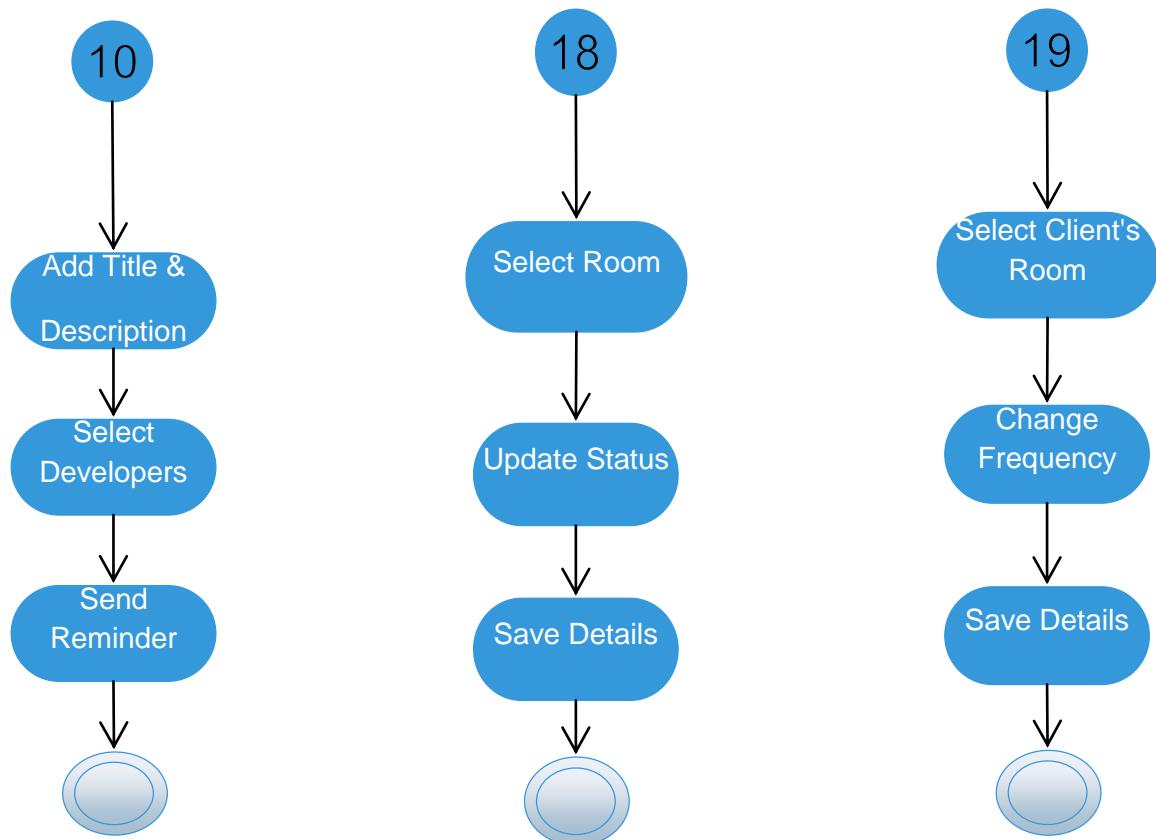
Hospitality Management System | 2017



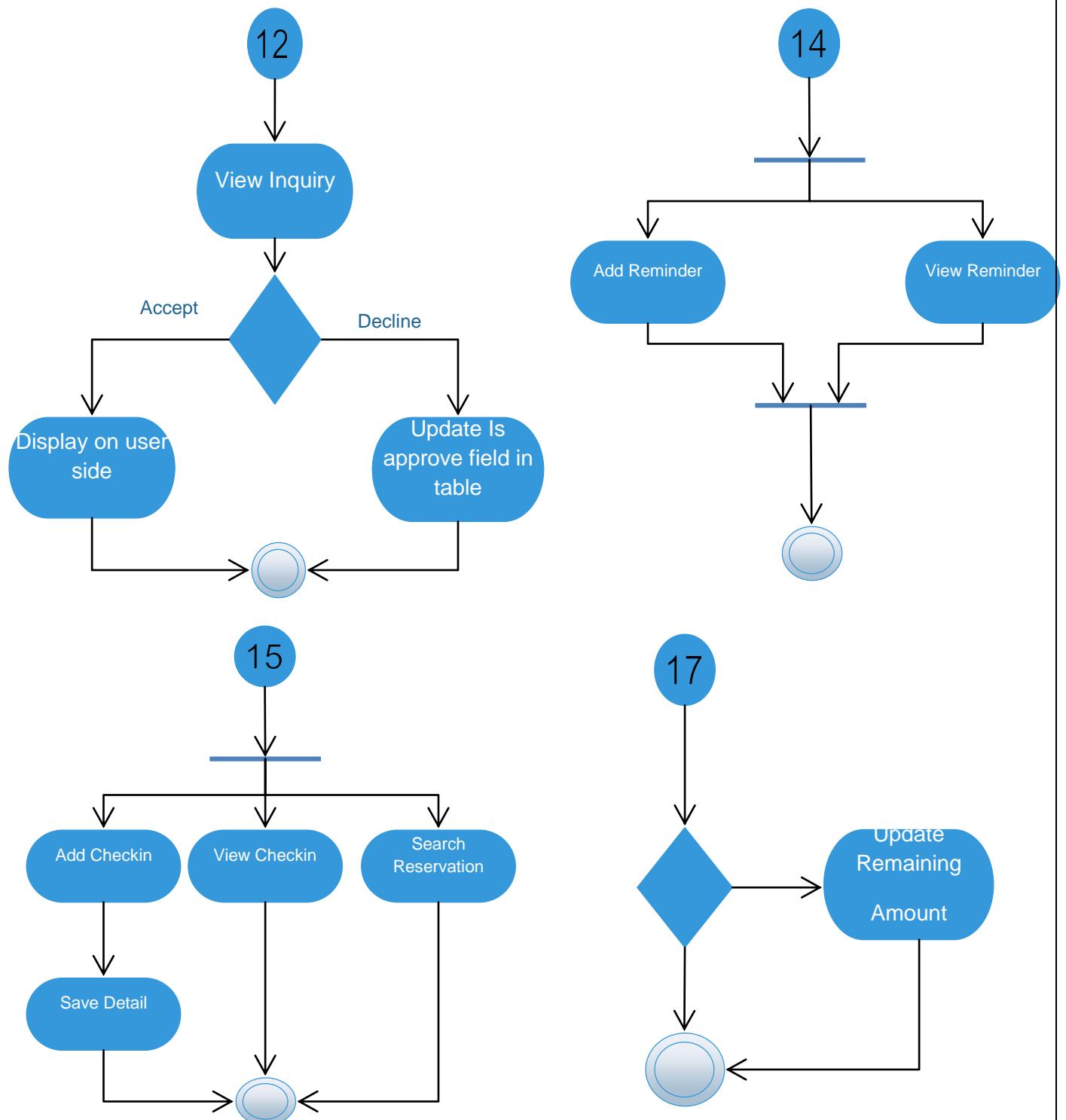
Hospitality Management System | 2017

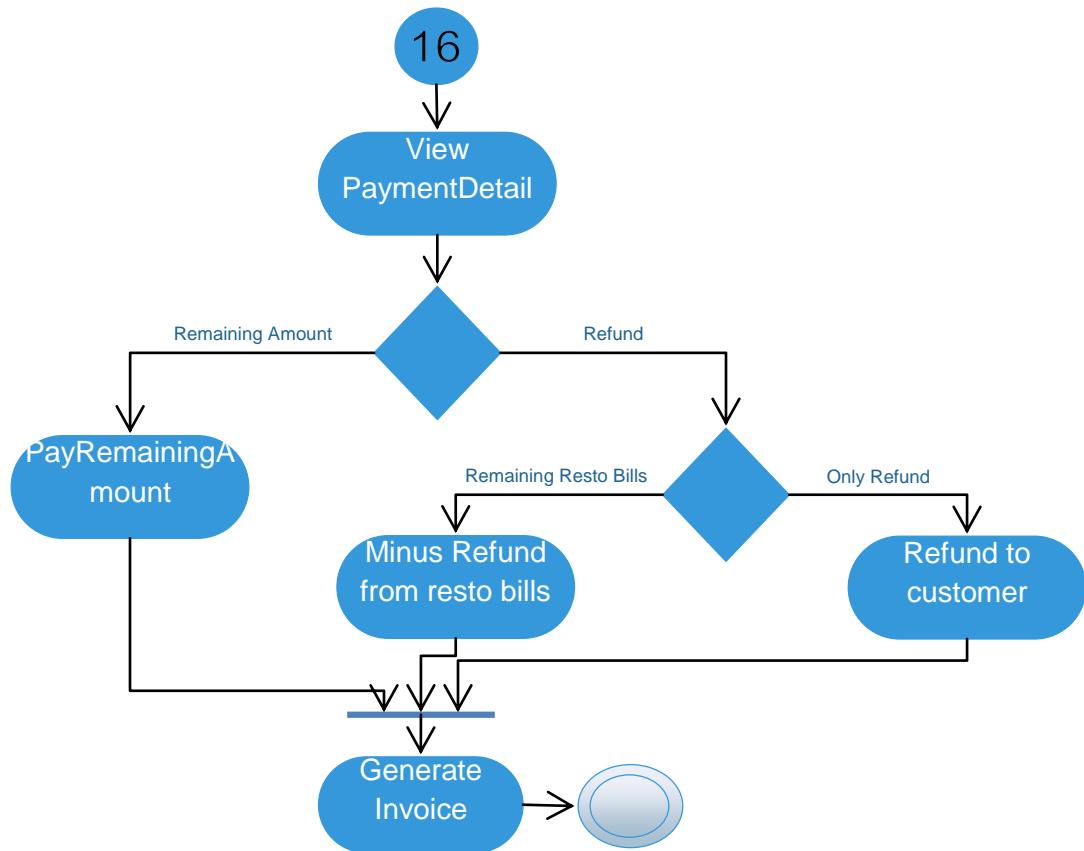


Hospitality Management System | 2017



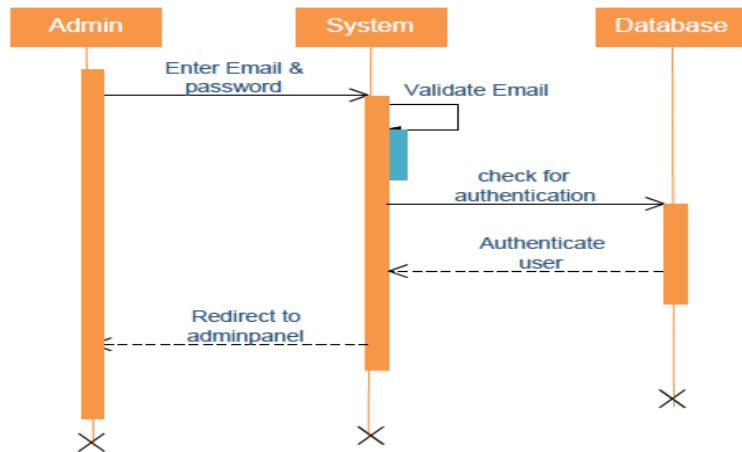
Hospitality Management System | 2017



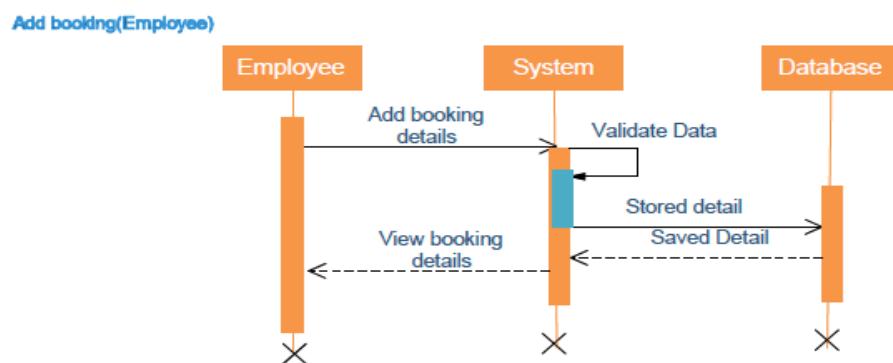


SEQUENCE DIAGRAM

Login Sequence

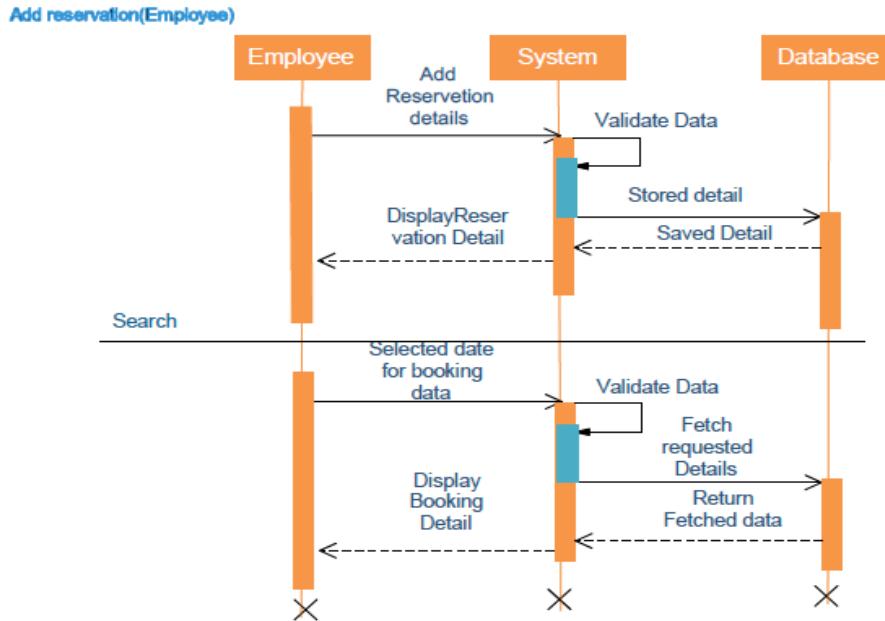


Booking Sequence



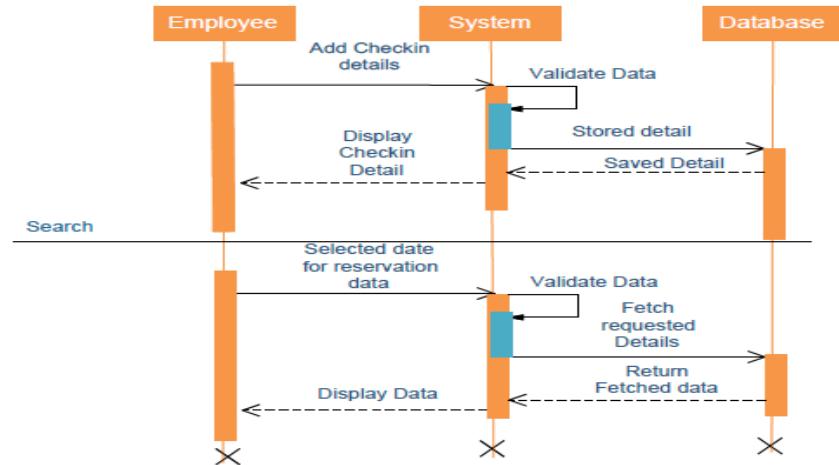
Hospitality Management System | 2017

Reservation Sequence



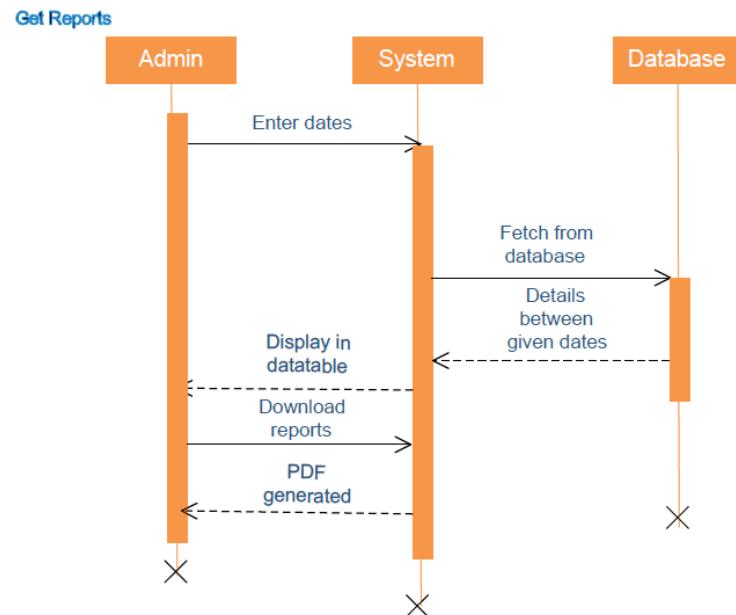
Check-in Sequence

Manage Checkin



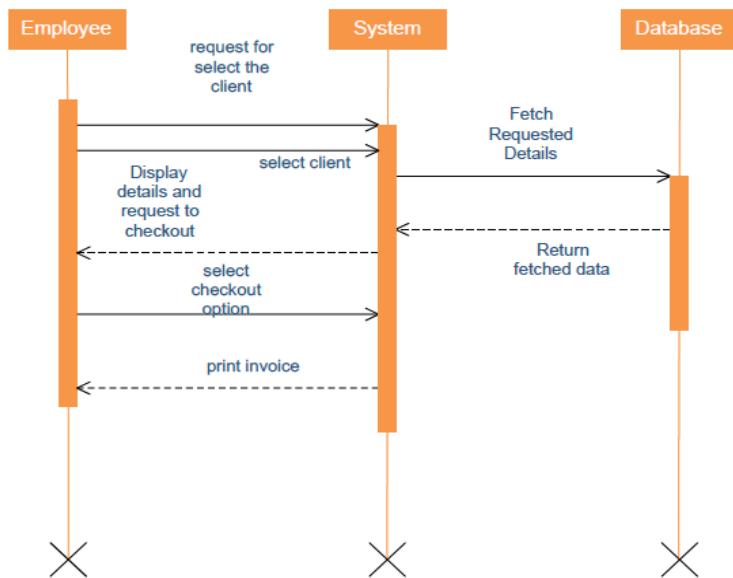
Hospitality Management System | 2017

Reports sequence



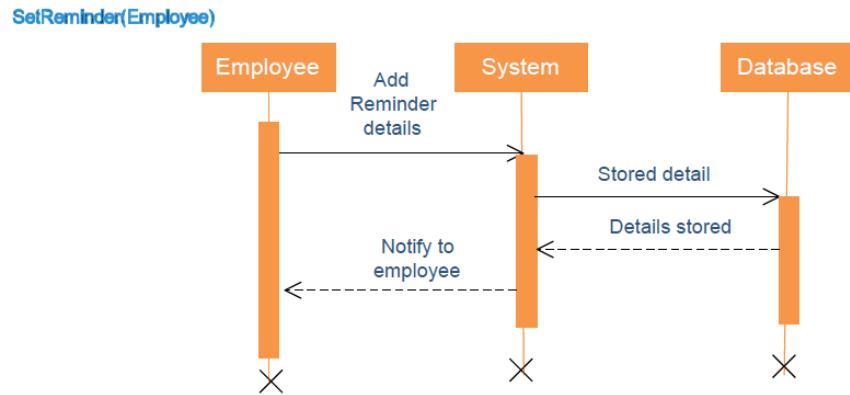
Check out Sequence

Checkout



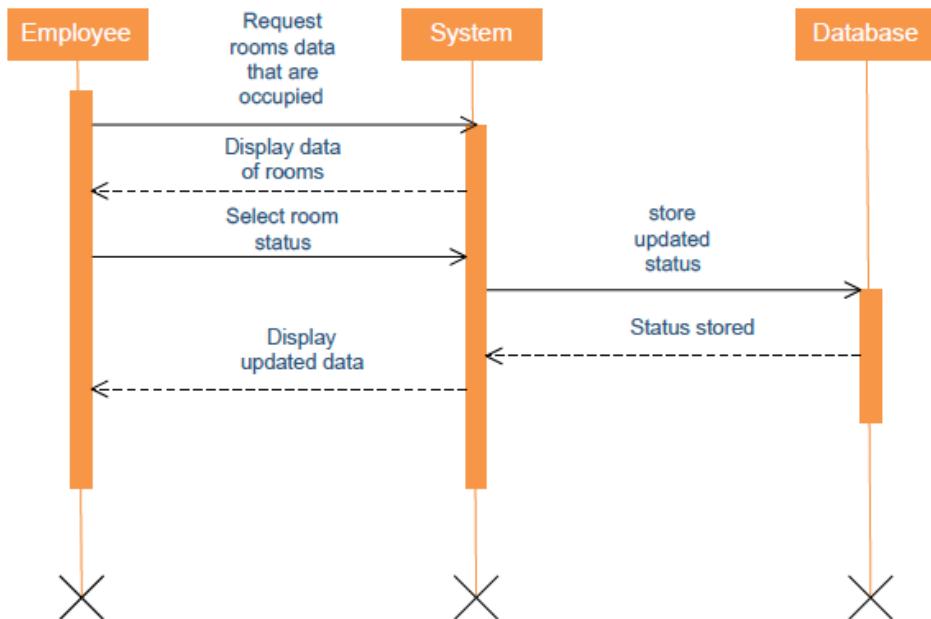
Hospitality Management System | 2017

Set Reminder Sequence (Employee)



Update room Status Sequence

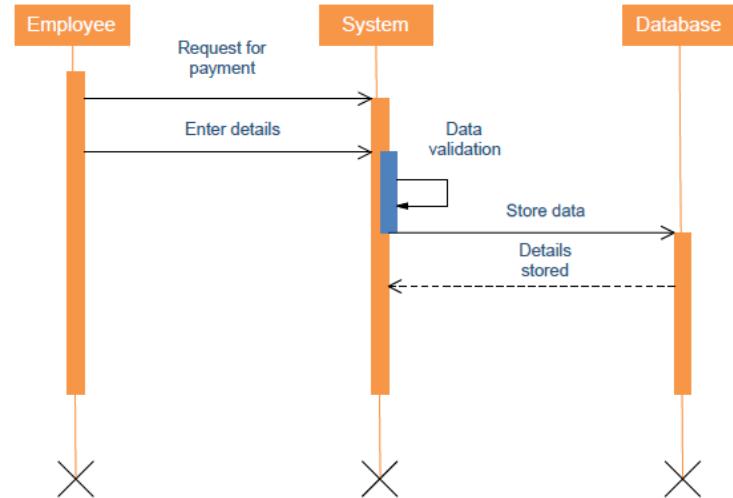
Update room_status



Hospitality Management System | 2017

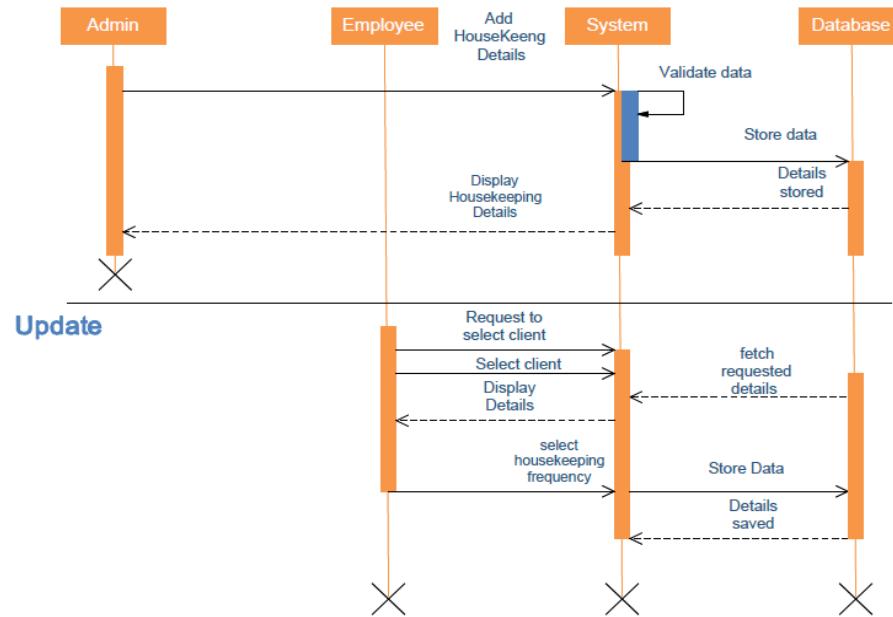
Payment Sequence

Payment



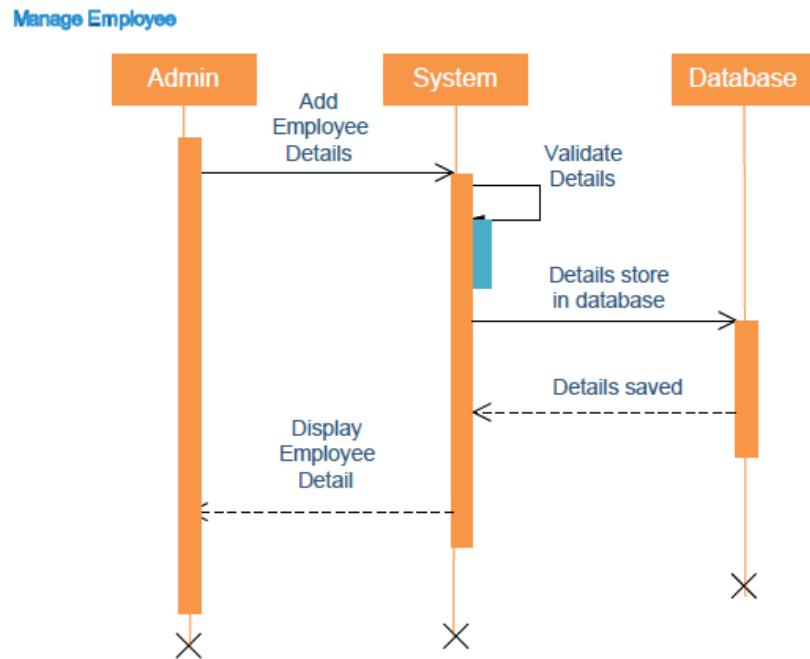
Housekeeping Sequence

Housekeeping

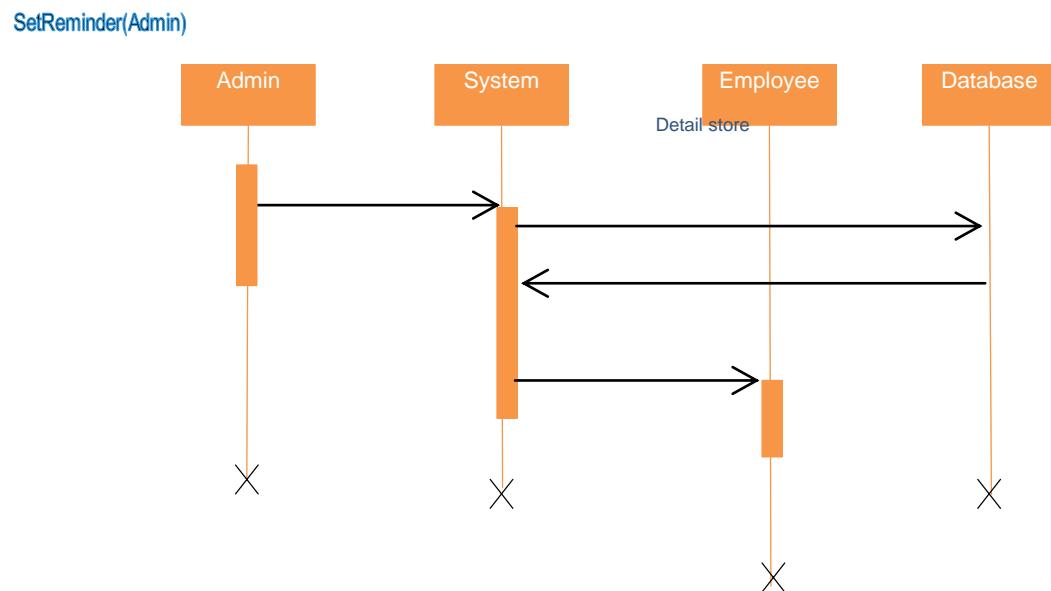


Hospitality Management System | 2017

Manage Employee Sequence

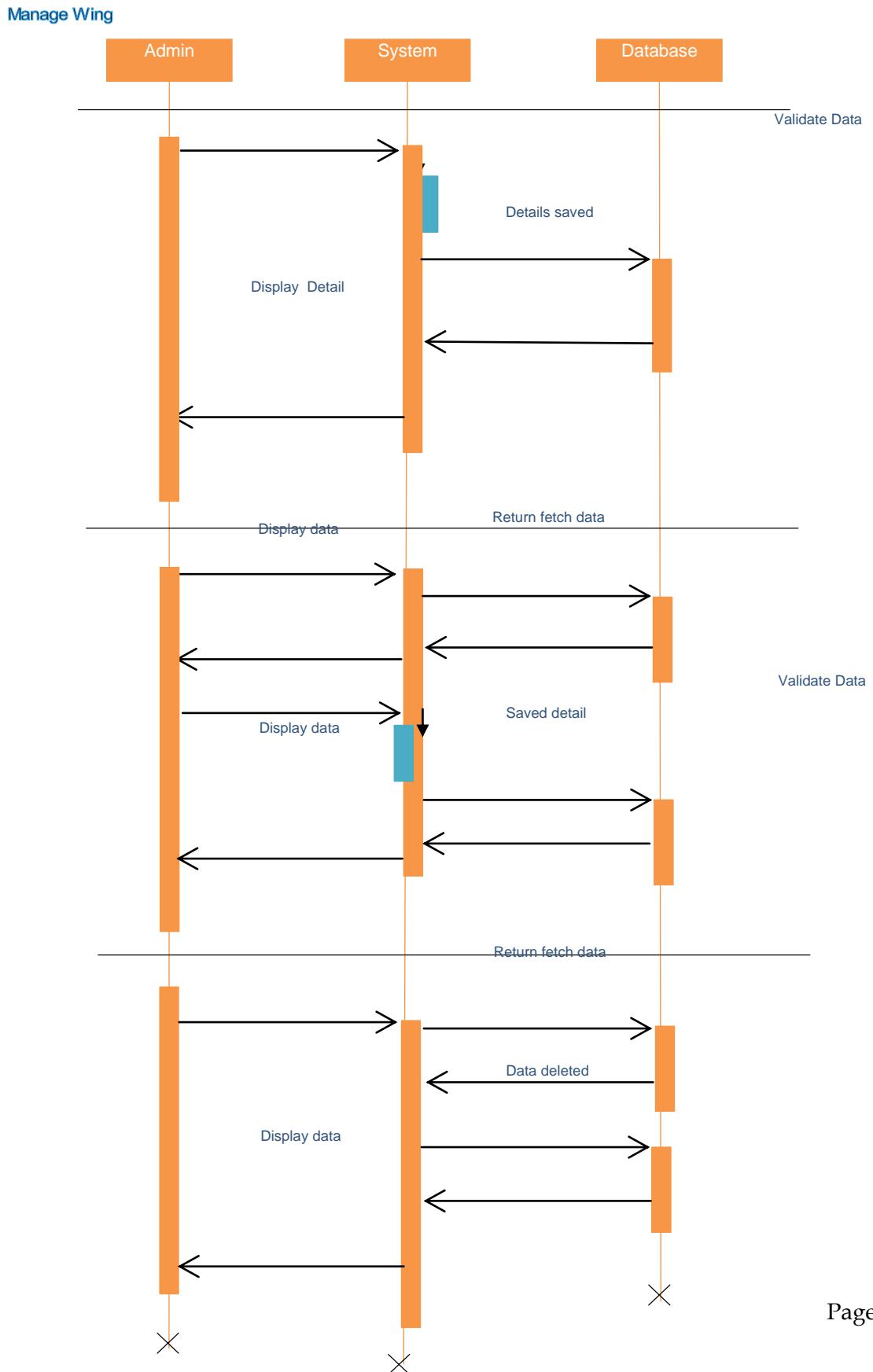


Set Reminder Sequence (Admin)



Hospitality Management System | 2017

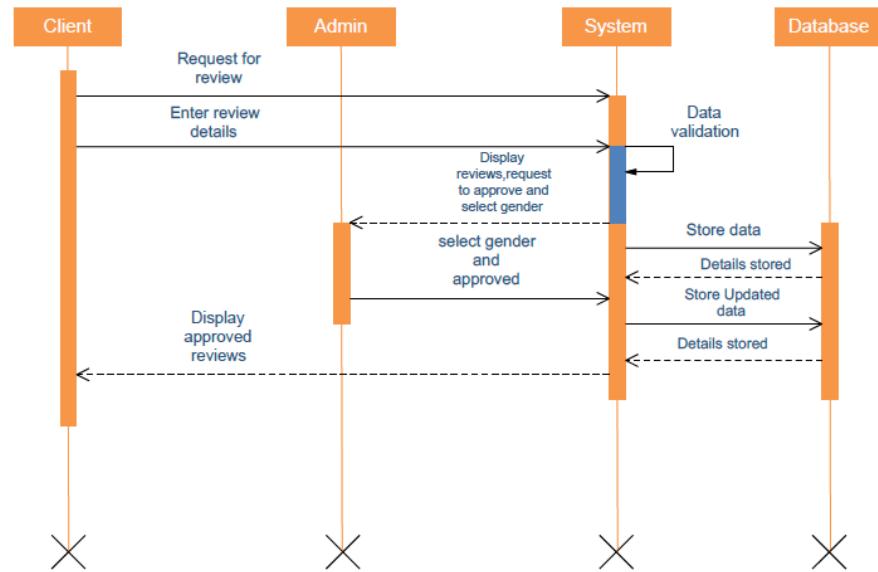
Manage Wing Sequence



Hospitality Management System | 2017

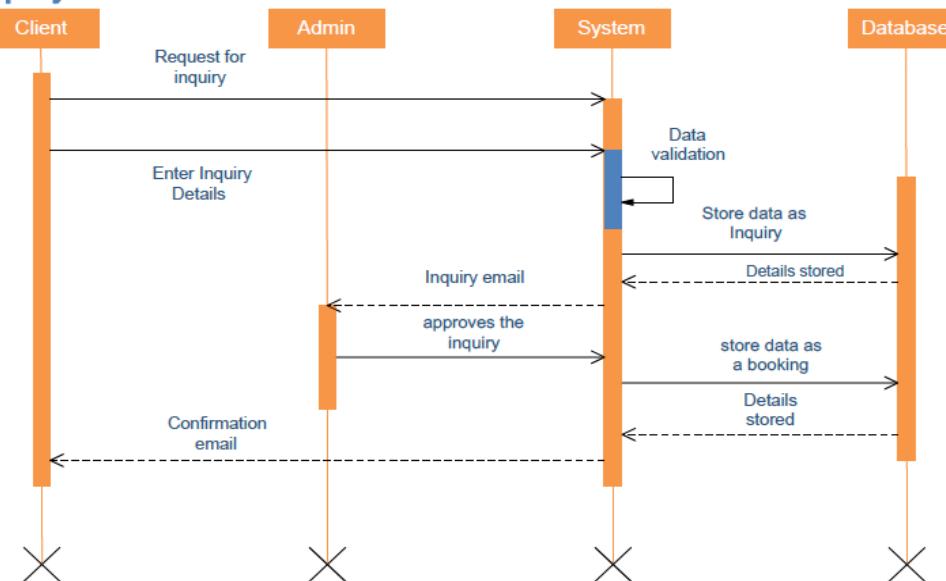
Manage Review Sequence

Reviews



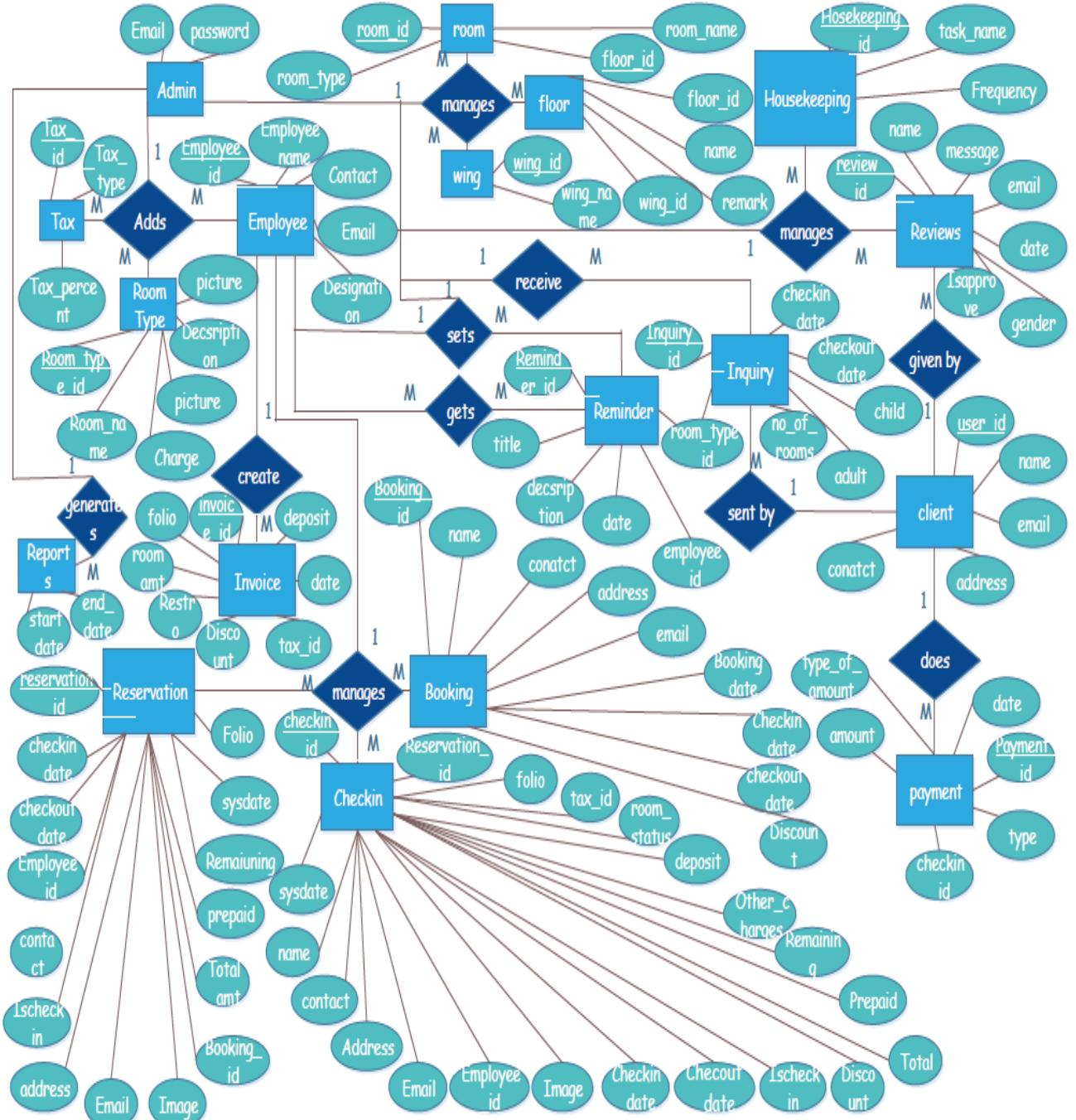
Manage Inquiry Sequence

Inquiry



Hospitality Management System | 2017

E-R DIAGRAM



Hospitality Management System | 2017

DATABASE DESIGN

Booking_detail_tb

Column	Type	Null	Default	Links to	Comments
Booking_detail_id(Primary)	Decimal(18,0)	No			Primary key
Booking_id	Decimal(18,0)	No		Booking_tb →Booking_id	Foreign key
Room_type_id	Int	No		RoomType_tb →Room_type_id	Foreign key
No_of_rooms	int	No			Number of rooms

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Booking_detail_id		A	No	

Booking_member_detail_tb

Column	Type	Null	Default	Links to	Comments
Memeber_detail_id (Primary)	Decimal(18,0)	No			Primary key
Booking_id	Decimal(18,0)	No		Booking_tb → Booking_id	Foreign key
Type	Varchar(MAX)	No			Child or adult
No_of_persons	int	No			Number of person

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Memeber_detail_id	0	A	No	

Booking_tb

Column	Type	Null	Default	Links to	Comments
Booking_id (Primary)	Decimal(18,0)	No			Primary key
Booking_person_name	Varchar(MAX)	No			
Contact	Varchar(MAX)	No			
Address	text	Yes	Null		

Hospitality Management System | 2017

Email	Varchar(MAX)	No			
Booking_date	Datetime	No			
Checkin_date	Datetime	No			
Checkout_date	Datetime	No			
Discount	Float	Yes	Null		
IsReserved	int	Yes	Null		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Booking_id	0	A	No	

Checkin_payment_tb

Column	Type	Null	Default	Links to	Comments
Checkin_payment_id <i>(Primary)</i>	Decimal(18,0)	No			Primary key
Payment_type	Varchar(MAX)	No			Cash/ cheque or credit type
Payment_amount	Decimal(18,2)	No			
Payment_date	Datetime	No			
Checkin_id	Decimal(18,0)	No		Checkin_tb → Checkin_id	Foreign key
Card_no/Cheque_no	Varchar(MAX)	Yes	Null		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Checkin_payment_id	0	A	No	

Checkin_tb

Column	Type	Null	Default	Links to	Comments
Checkin_id <i>(Primary)</i>	Decimal(18,0)	No			Primary key
Checkin_person_name	Varchar(50)	No			
Contact	Varchar(MAX)	Yes			
Address	text	No	Null		
Email	Varchar(MAX)	No			
Person_pic	nvarchar(MAX)	No			

Hospitality Management System 2017

Identity_proof	nvarchar(MAX)	No			
Room_id	int	No		Room_tb → Room_id	Foreign key
Checkin_date	Datetime	No			
Checkout_date	Datetime	No			
IsCheckin	int	No			Client is checkin or not
Discount	float	Yes	Null		
Deposit_amount	Decimal(18,2)	No			
Total_amount	Decimal(18,2)	No			
Prepaid_amount	Decimal(18,2)	No			
Remaining_amount	Decimal(18,2)	No			
Other_charges	Decimal(18,2)	No			
Sysdate	Datetime	No			System date
Reservation_id	Decimal(18,0)	Yes	Null	Reservation_tb → Reservation_id	Foreign key
Room_status	Varchar(MAX)	Yes	Null		Room is Clean or dirty
Folio_no	nvarchar(MAX)	No			
Employee_id	int	No		Employee_tb → Employee_id	Foreign key
Tax_id	int	No		Tax_tb → Tax_id	Foreign key

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Checkin_id	0	A	No	

Employee_tb

Column	Type	Null	Default	Links to	Comments
Employee_id (Primary)	Decimal(18,0)	No			Primary key
Employee_name	Varchar(MAX)	No			
Contact	Varchar(MAX)	No			
Email	Varchar(MAX)	No			
Designation	Varchar(MAX)	No			
Password	Varchar(MAX)	No			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment

Hospitality Management System 2017

Primary	Btree	Yes	No	Employee_id	0	A	No	
---------	-------	-----	----	-------------	---	---	----	--

FdayUnitStatus_tb

Column	Type	Null	Default	Links to	Comments
FdayUnitStatus_id <i>(Primary)</i>	Decimal(18,0)	No			Primary key
Folio_no	nvarchar(MAX)	No			
Room_id	int	No		Room_tb→ Room_id	Foreign key
Room_status	Varchar(MAX)	No			
IsCheckin	int	No			
Total_paid_amount	Decimal(18,2)	No			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	FdayUnitStatus_id	0	A	No	

Floor_tb

Column	Type	Null	Default	Links to	Comments
Floor_id <i>(Primary)</i>	Int	No			Primary key
Floor_name	Varchar(50)				
Wing_id	Int			Wing_tb→ Wing_id	Foreign key
Remark	Varchar(MAX)				The floor has room, kitchen or etc
IsRoom	Int	Yes	Null		The floor has room or not

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
---------	------	--------	--------	--------	-------------	-----------	------	---------

Hospitality Management System | 2017

Primary	Btree	Yes	No	Floor_id	0	A	No	
---------	-------	-----	----	----------	---	---	----	--

Housekeeping_tb

Column	Type	Null	Default	Links to	Comments
Housekeeping_id (<i>Primary</i>)	Int	No			Primary key
Task_name	Varchar(50)	No			
Frequency	Int	No			Interval of days to do housekeeping

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Housekeeping_id	0	A	No	

Inquiry_tb

Column	Type	Null	Default	Links to	Comments
Inquiry_id (<i>Primary</i>)	Decimal(18,0)	No			Primary key
User_id	Varchar(MAX)	No			
Person_name	Varchar(MAX)	No			
Contact	Varchar(MAX)	No			
Email	Varchar(MAX)	No			
Address	text	Yes	Null		
Room_type_id	Int			RoomType_tb→ Room_type_id	Foreign key
No_of_rooms	Int	No			
Adult	Int	No			
Child	Int	No			
Checkin_date	Datetime	No			
Checkout_date	Datetime	No			
IsConfirm	Int	No			Inquiry is confirmed
IsDelete	Int	No			Inquiry is declined

Indexes

Hospitality Management System | 2017

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Inquiry_id	0	A	No	

Invoice_tb

Column	Type	Null	Default	Links to	Comments
Invoice_id (<i>Primary</i>)	Decimal(18,0)	No			Primary key
Folio_no	nvarchar(MAX)	No			
Checkin_id	Decimal(18,0)	No		Checkin_tb→ Checkin_id	Foreign key
Room_amount	Decimal(18,2)	No			
Resto_amount	Decimal(18,2)	No			Restaurant amount
Discount_amount	Decimal(18,2)	No			
Tax_amount	Decimal(18,2)	No			
Date	Datetime	No			
Deposit_amount	Decimal(18,2)	No			
Refund_amount	Decimal(18,2)	Yes	Null		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Invoice_id	0	A	No	

Reminder_tb

Column	Type	Null	Default	Links to	Comments
Reminder_id (<i>Primary</i>)	Decimal(18,0)	No			Primary key
Title	Text	No			
Description	Text	No			
Date	Datetime	No			
Employee_id	Int	No		Employee_tb→ Employee_id	Foreign key

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Reminder_id	0	A	No	

Hospitality Management System | 2017

ReminderToEmp_tb

Column	Type	Null	Default	Links to	Comments
Reminder_to_emp_id <i>(Primary)</i>	Decimal(18,0)	No			Primary key
Reminder_id	Decimal(18,0)	No		Reminder_tb→ Reminder_id	Foreign key
Employee_id	Int	No		Employee_tb→ Employee_id	Foreign key

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Reminder_to_emp_id	0	A	No	

Reservation_payment_tb

Column	Type	Null	Default	Links to	Comments
Reservation_payment_id <i>(Primary)</i>	Decimal(18,0)	No			Primary key
Payment_type	Varchar(MAX)	No			
Payment_amount	Decimal(18,2)	No			
Payment_date	Datetime	No			
Reservation_id	Decimal(18,0)	No		Reservation_tb→ Reservation_id	Foreign key
Card_no/Cheque_no	Varchar(MAX)	Yes	Null		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Reservation_payment_id	0	A	No	

Reservation_tb

Column	Type	Null	Default	Links to	Comments
Reservation_id <i>(Primary)</i>	Decimal(18,0)	No			Primary key
Reservation_person_name	Varchar(50)	No			
Contact	Varchar(MAX)	No			
Address	text	Yes	Null		
Email	Varchar(MAX)	No			

Hospitality Management System | 2017

Person_pic	nvarchar(MAX)	No			
Identity_proof	nvarchar(MAX)	No			
Room_id	Int	No		Room_tb→ Room_id	Foreign key
Checkin_date	Datetime	No			
Checkout_date	Datetime	No			
Total_amount	Decimal(18,2)	No			
Prepaid_amount	Decimal(18,2)	No			
Remaining_amount	Decimal(18,2)	No			
Employee_id	Int	No		Employee_tb→ Employee_id	Foreign key
Sysdate	Datetime	No			
Booking_id	Decimal(18,0)	No		Booking_tb→ Booking_id	Foreign key
isCheckedIn	Int	Yes	Null		Client is checkin or not
Folio_no	nvarchar(MAX)	No			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Reservation_id	0	A	No	

Review_tb

Column	Type	Null	Default	Links to	Comments
Review_id (<i>Primary</i>)	Decimal(18,0)	No			Primary key
Reviewer_name	Varchar(50)	No			
Review_message	Varchar(MAX)	No			
Review_Email_id	Varchar(MAX)	No			
Review_Date	Datetime	No			
IsApprove	Int	Yes	Null		Review is approved or not
Gender	Varchar(1)	Yes	Null		

Indexes

Hospitality Management System | 2017

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Review_id	0	A	No	

Room_housekeeping_tb

Column	Type	Null	Default	Links to	Comments
Room_hk_id (<i>Primary</i>)	Int	No			Primary key
Housekeeping_id	Int	No		Housekeeping_tb→ Housekeeping_id	Foreign key
Required_frequency	Int	No			
Room_id	Int	No		Room_tb→ Room_id	Foreign key
Checkin_id	Decimal(18,0)	No		Checkin_tb→ Checkin_id	Foreign key

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Room_hk_id	0	A	No	

Room_tb

Column	Type	Null	Default	Links to	Comments
Room_id (<i>Primary</i>)	Int	No			Primary key
Room_name	Varchar(50)	No			
Room_Type_id	Int	No		RoomType_tb→ Room_Type_id	Foreign key
Floor_id	Int	No		Floor_tb→ Floor_id	Foreign key
Under_maintenance	Int	No			Room is in under maintenance or not

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Room_id	0	A	No	

RoomType_tb

Hospitality Management System 2017

Column	Type	Null	Default	Links to	Comments
Room_Type_id(<i>Primary</i>)	Int	No			Primary key
Room_type_name	Text	No			
Charge	Decimal(18,0)	No			
Room_pic	Image	No			
Room_description	Text	No			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Room_Type_id	0	A	No	

Tax_tb

Column	Type	Null	Default	Links to	Comments
Tax_id (<i>Primary</i>)	Int	No			Primary key
Tax_type	Varchar(MAX)	No			
Tax_percent	Float	No			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Tax_id	0	A	No	

tblCKOTMst_tb

Column	Type	Null	Default	Links to	Comments
KOTID (<i>Primary</i>)	Int	No			Primary key
KOTDate	Datetime	Yes	Null		
KOTWaiter	Varchar(50)	Yes	Null		
KOTPron	Varchar(50)	Yes	Null		
TableID	Int	No			
KOTAmount	Float	Yes	Null		
ReceiptNo	nvarchar(MAX)	Yes	Null		
IsOccupied	Bit	Yes	Null		
KOTTaxAmount	Float	Yes	Null		
Discount	Float	Yes	Null		

PaymentType	Nchar(10)	Yes	Null		
-------------	-----------	-----	------	--	--

Hospitality Management System | 2017

Room_id	Int	Yes	Null	Room_tb→ Room_id	Foreign key
IsBill	Bit	Yes	Null		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	KOTID	0	A	No	

Wing_tb

Column	Type	Null	Default	Links to	Comments
Wing_id(Primary)	Int	No			Primary key
Wing_name	Varchar(50)	No			

Indexes

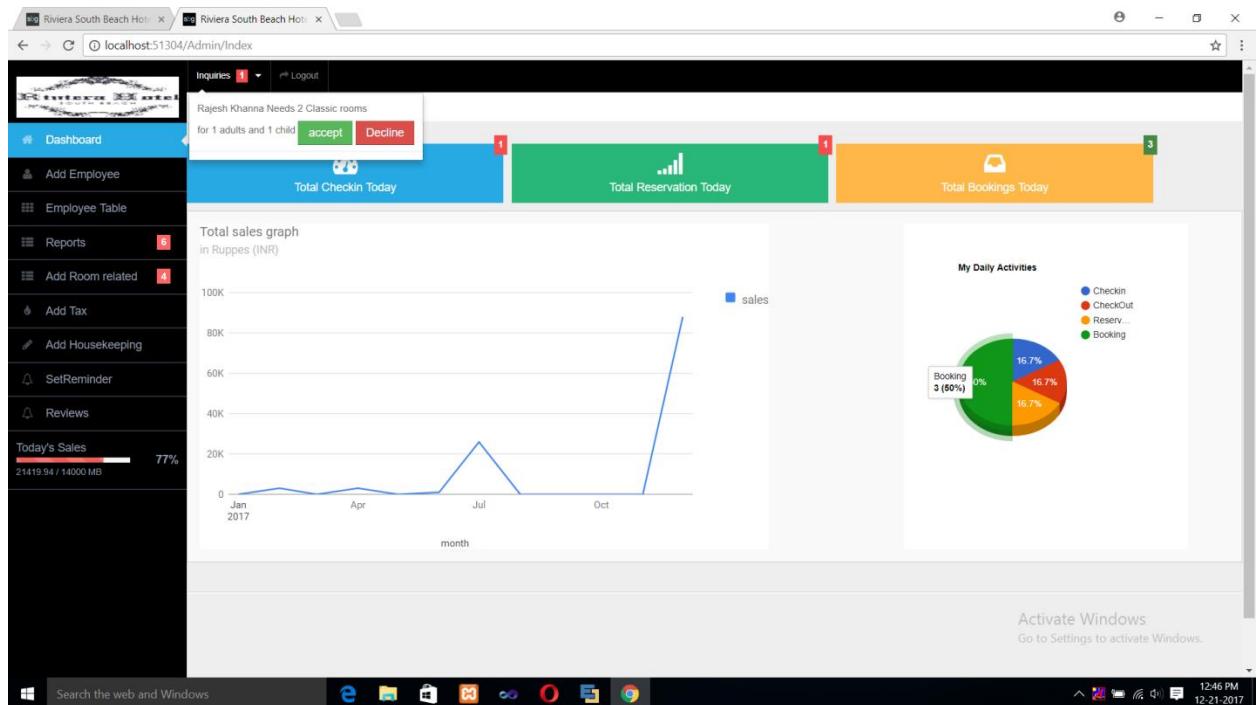
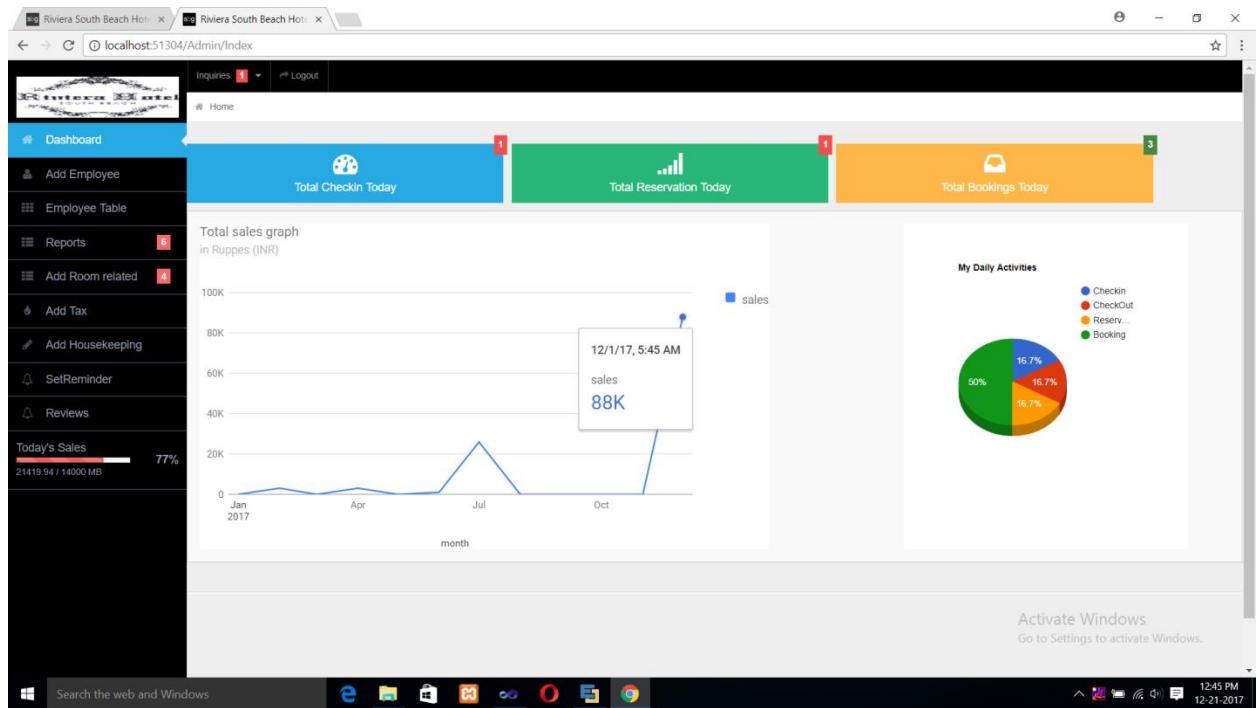
Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Primary	Btree	Yes	No	Wing_id	0	A	No	

Hospitality Management System | 2017

INTERFACE DESIGN

- Admin Side

- Dashboard



Hospitality Management System | 2017

- Add Employee

The screenshot shows a Windows desktop with a web browser open to the 'Add Employee' page at localhost:51304/Admin/Add. The browser title bar says 'Riviera South Beach Hotel'. The left sidebar has a 'Dashboard' button and other menu items like 'Add Employee', 'Employee Table', 'Reports', etc. A progress bar at the bottom shows 'Today's Sales' at 77%. The main content area is titled 'Add Employee' and contains a 'Personal-info' form with fields for First Name (Fullname), Contact, Email, Password Input (Enter Password), Confirm Password Input (Enter Password), and Designation. A green 'Save' button is at the bottom. A watermark 'Activate Windows Go to Settings to activate Windows.' is visible on the right.

- Display Employee

The screenshot shows a Windows desktop with a web browser open to the 'Employee Table' page at localhost:51304/Admin/Table. The browser title bar says 'Riviera South Beach Hotel'. The left sidebar has a 'Dashboard' button and other menu items like 'Add Employee', 'Employee Table', 'Reports', etc. A progress bar at the bottom shows 'Today's Sales' at 77%. The main content area is titled 'Manage Employee' and displays a 'Data table' with columns: Employee_Id, Employee_name, Contact, Email, and Designation. The table lists 6 entries. A search bar and pagination controls ('PreviousNext') are at the bottom. A watermark 'Activate Windows Go to Settings to activate Windows.' is visible on the right.

Employee_Id	Employee_name	Contact	Email	Designation
19	admin	8460460846	admin@admin.com	admin
20	charmi	8460460846	charmi@gmail.com	web developer
21	keyuri	8460460846	keyuri@gmail.com	web developer
22	archana	8460460846	archana@gmail.com	webdeveloper
23	kreya	8460460846	kreya@gmail.com	web developer
24	Sahil	8745212030	sahil@gmail.com	Employee

Hospitality Management System | 2017

- Reports

The screenshot shows a booking report interface. At the top, there are three tabs: "Daily report" (unchecked), "Monthly Report" (checked), and "Yearly Report". Below these are date selection fields: "From" (2017/12/1) and "To" (2017/12/31). A "Download Report" button is located next to the "To" field. The main area displays a table of guest bookings:

Person Name	Contact	Checkin Date	Checkout Date	Number of Days
Archana Shah	8574585695	12-12-2017 12:00:00 AM	12-16-2017 12:00:00 AM	4
Rahul Patel	8547856985	12-09-2017 12:00:00 AM	12-12-2017 12:00:00 AM	3
hitanshi patel	8460460846	12-24-2017 12:00:00 AM	12-26-2017 12:00:00 AM	2
lila sharma	8460460846	12-23-2017 12:00:00 AM	12-26-2017 12:00:00 AM	3
tanvi makhnvala	8460460846	12-26-2017 12:00:00 AM	12-27-2017 12:00:00 AM	1
keyuri pasivala	8460460846	12-26-2017 12:00:00 AM	12-29-2017 12:00:00 AM	3
tanvi morlivala	8460460846	12-26-2017 12:00:00 AM	12-28-2017 12:00:00 AM	2
zeel jajuvala	8460460846	12-22-2017 12:00:00 AM	12-26-2017 12:00:00 AM	4
abhishek jarivala	8460460846	12-23-2017 12:00:00 AM	12-26-2017 12:00:00 AM	3
hiren Patel	8460460846	12-23-2017 12:00:00 AM	12-27-2017 12:00:00 AM	4
gavri parekh	8460460846	12-22-2017 12:00:00 AM	12-26-2017 12:00:00 AM	4

- Manage Wing

The screenshot shows a manage wing interface. On the left, there is a sidebar with various management options. In the center, there are two sections: "Manage Wing" and "Wing data-table". The "Manage Wing" section contains a search bar for "Wing Name" and a green "Add Wing" button. The "Wing data-table" section shows a table with three entries labeled A, B, and C. Each entry has an "Edit" button to its right. The table includes a "Show" dropdown set to 10 entries and a "Search" input field.

Wing_name	Edit
A	Edit
B	Edit
C	Edit

At the bottom of the page, there are links for "Activate Windows" and "Go to Settings to activate Windows". The status bar at the bottom right shows the time as 12:54 PM and the date as 12-21-2017.

Hospitality Management System | 2017

- Edit/Delete Wing

The screenshot shows a web-based hospitality management system. On the left, there's a sidebar with various administrative options like 'Add Employee', 'Employee Table', 'Reports', etc. The main area is titled 'Manage Wing'. A modal dialog box is open, prompting for a 'WingName' (with 'A' entered) and providing 'edit' and 'delete' buttons. Below the modal, a table lists three wings: 'A', 'B', and 'C', each with an 'Edit' button. The table includes a 'Wing_name' column and a 'Floor' column. At the bottom, it says 'Showing 1 to 3 of 3 entries'. The browser address bar shows 'localhost:51304/Admin/ManageWing'.

- Manage Floor

This screenshot shows the 'Manage Floor' section of the system. On the left sidebar, 'Floor' is selected under 'Reports'. The main page has a 'Manage Floor' header. It features a form to add a new floor, with fields for 'Wing' (set to 'A'), 'Floor' (set to 'C'), 'Remark', and 'IsRoom'. Below the form is an 'Add Floor' button. To the right, there's a table titled 'Floor Data table' showing a grid of floors across different wings. The grid has columns for 'Wing Name' and 'Floors'. For wing 'A', floors are labeled A1 through A4. For wing 'B', floors are labeled B1 through B3. For wing 'C', floors are labeled C1 and C2. The table includes a 'Wing Name' column and a 'Floors' column. At the bottom, it says 'Showing 1 to 3 of 3 entries'. The browser address bar shows 'localhost:51304/Admin/ManageFloor'.

Hospitality Management System | 2017

- Edit/Delete Floor

The screenshot shows a web-based hospitality management system. On the left, a sidebar menu includes options like Dashboard, Add Employee, Employee Table, Reports, Add Room related, Add Tax, Add Housekeeping, SetReminder, and Reviews. A progress bar at the bottom indicates 'Today's Sales' at 77%. The main content area is titled 'Manage Floor'. A modal dialog box is open, titled 'update & delete floor', containing fields for 'FloorName' (A1), 'Remark' (single room), and 'IsRoom' (checkbox). Below the modal is a table with columns 'Wing Name' (A, B, C) and 'Floors' (e.g., floor A1, floor A2, floor A3, floor A4, floor B1, floor B2, floor B3, floor C1, floor C2). The table shows 3 entries. At the bottom right of the screen, there is a taskbar with various icons and a system tray showing battery level (12%), signal strength, and the date/time (12/22/2017).

- Manage RoomType

The screenshot shows the 'Manage RoomType' page. The sidebar menu is identical to the previous screenshot. The main content area has two sections: a form on the left for adding a new room type (RoomType: Room Type, Charge: Charges, Upload Room Image, Description) and a table on the right titled 'Wing data-table' showing room types and their charges. The table has columns 'Room name', 'Charges', and 'Edit'. The data in the table is as follows:

Room name	Charges	Edit
Classic	100.00	Edit
Lux one-bedroom suits	137.00	Edit
Studio penthouse	150.00	Edit
The balcony	110.00	Edit

At the bottom right, there is a message 'Activate Windows' with a link 'Go to Settings to activate Windows.' The system tray at the bottom right shows battery level (12%), signal strength, and the date/time (12/21/2017).

Hospitality Management System | 2017

- Edit/Delete RoomType

The screenshot shows a web application interface for managing room types. On the left, there's a sidebar with various hotel management options like Dashboard, Add Employee, Employee Table, Reports, Add Room related, Add Tax, Add Housekeeping, SetReminder, and Reviews. The main content area has a title "Manage RoomType". A modal window titled "Manage Room_type" is open, showing fields for "RoomTypeName" (Classic) and "Charge" (100.00), with "edit" and "delete" buttons. Below the modal is a table listing room types with columns for "Room name", "Charges", and "Edit" buttons. The table entries are: Classic (100.00), Lux one-bedroom suits (137.00), Studio penthouse (150.00), and The balcony (110.00). At the bottom right of the screen, there's a message "Activate Windows Go to Settings to activate Windows." and a system tray with icons for battery, signal, and date/time (12-21-2017).

- Manage Room

The screenshot shows a "Manage Room" page. The left sidebar includes the same set of hotel management options as the previous screenshot. The main area has a title "Manage Room" and a form with dropdown menus for "Select Wing" (with options A, B, C), "Select Floor", "Select Room-type", and a "Room" input field. Below the form is a green "Add Room" button. To the right, there's a "Data table" section showing a hierarchical tree of room assignments. The tree starts with wing A, which branches into floors A1 through A4, each containing multiple room numbers (e.g., A1-101 to A1-110). To the right of the tree, there's a message "Activate Windows Go to Settings to activate Windows." and a system tray with icons for battery, signal, and date/time (12-21-2017).

Hospitality Management System | 2017

- Add Tax

The screenshot shows a web-based hospitality management system. On the left, there's a sidebar with various administrative links: Dashboard, Add Employee, Employee Table, Reports (with 5 notifications), Add Room related (with 4 notifications), Add Tax, Add Housekeeping, SetReminder, Reviews, and Today's Sales (77% completion). The main content area has a title 'Manage Tax'. It contains two sections: 'Manage Tax' (with fields for Tax type and Percentage) and 'Tax data-table' (listing GST at 18% and RoomTax at 5%, with edit buttons). A green 'Add tax type' button is visible. The bottom right corner shows a Windows taskbar with the date 12-21-2017 and time 12:50 PM.

- Edit/Delete Tax

This screenshot shows the same 'Manage Tax' interface. A modal dialog is open over the main table, allowing for the modification of an existing tax entry. The dialog fields show 'Tax Name: GST' and 'Percent: 18'. It includes 'edit' and 'delete' buttons. The background table remains the same, listing GST and RoomTax. The Windows taskbar at the bottom right shows the date 12-21-2017 and time 04:15 PM.

Hospitality Management System | 2017

- Add Housekeeping

The screenshot shows the 'Add Housekeeping' page. On the left, a sidebar menu includes 'Dashboard', 'Add Employee', 'Employee Table', 'Reports' (with 5 notifications), 'Add Room related' (with 4 notifications), 'Add Tax', 'Add Housekeeping' (selected), 'SetReminder', 'Reviews', and a 'Today's Sales' section showing 77% completion. The main area has two panels: 'Add Housekeeping' with fields for 'Task Name:' and 'Housekeeping Frequency:', and a 'HouseKeeping data-table' showing three entries: Cleaning, Laundry, and Towel, each with a frequency of 1. A green 'Add' button is at the bottom of the left panel.

- Manage Review

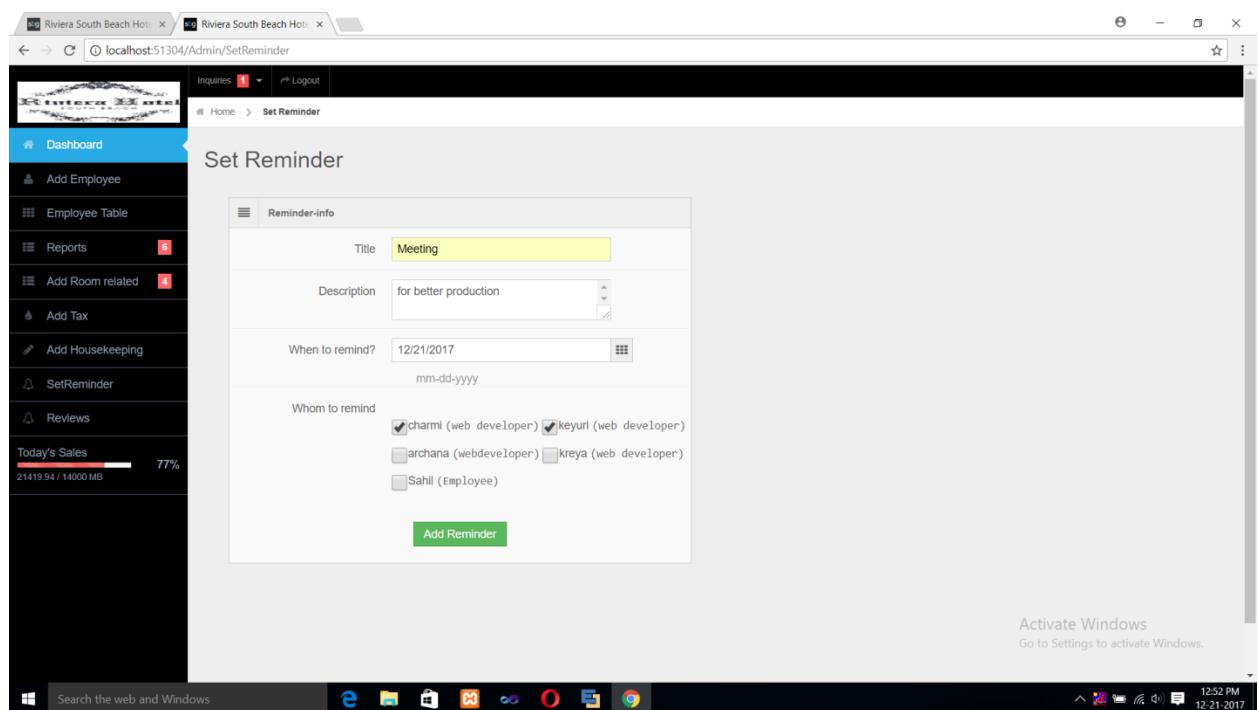
The screenshot shows the 'ReviewDetail' page. The sidebar is identical to the previous screenshot. The main area displays a list of recent posts under 'Recent Posts':

- By Romi / Date-Time: 12-11-2017 12:00:00 AM
Happy to visit you female male ISApprove Delete Review
- By Jiten / Date-Time: 12-12-2017 12:00:00 AM
well staff and very good services female male ISApprove Delete Review
- By Tina / Date-Time: 12-13-2017 12:00:00 AM
nice experiance female male ISApprove Delete Review
- By tejas / Date-Time: 12-14-2017 12:00:00 AM
Nice service female male ISApprove Delete Review

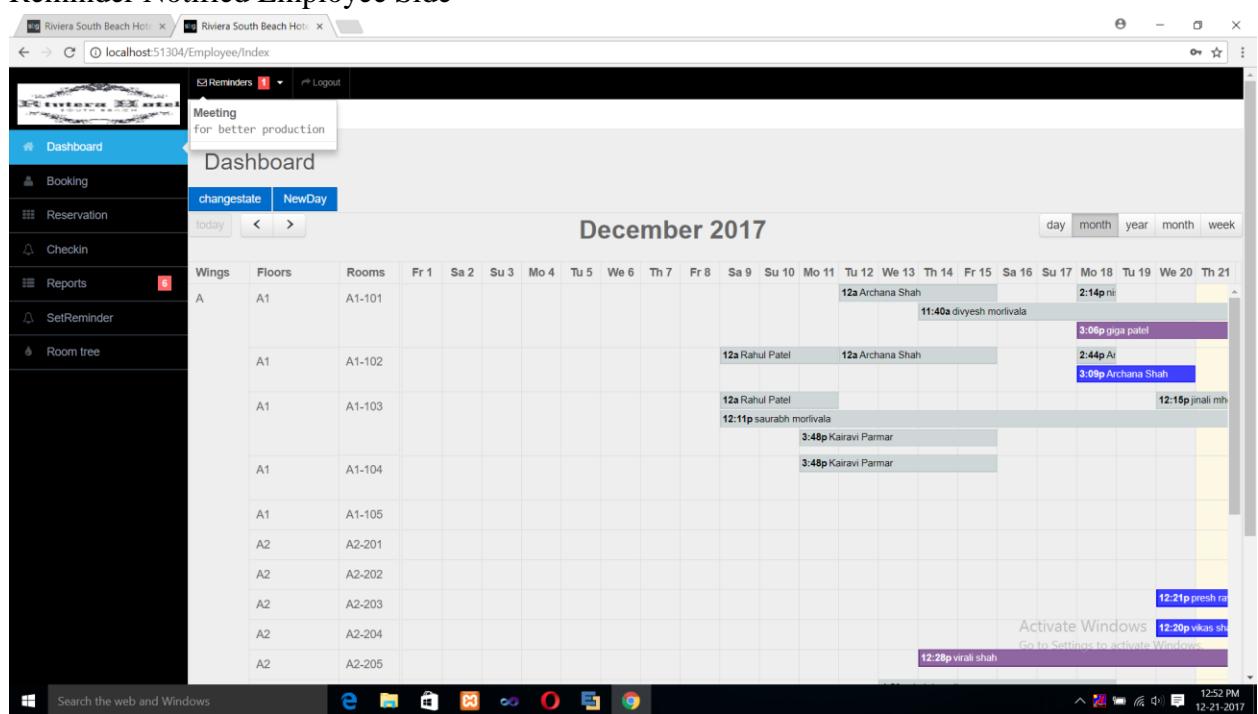
A green 'ISApprove' button is present next to each post, and a 'Delete Review' button is also visible. The bottom right corner shows a Windows taskbar with the date and time as 12-21-2017 12:51 PM.

Hospitality Management System | 2017

- Set Reminder

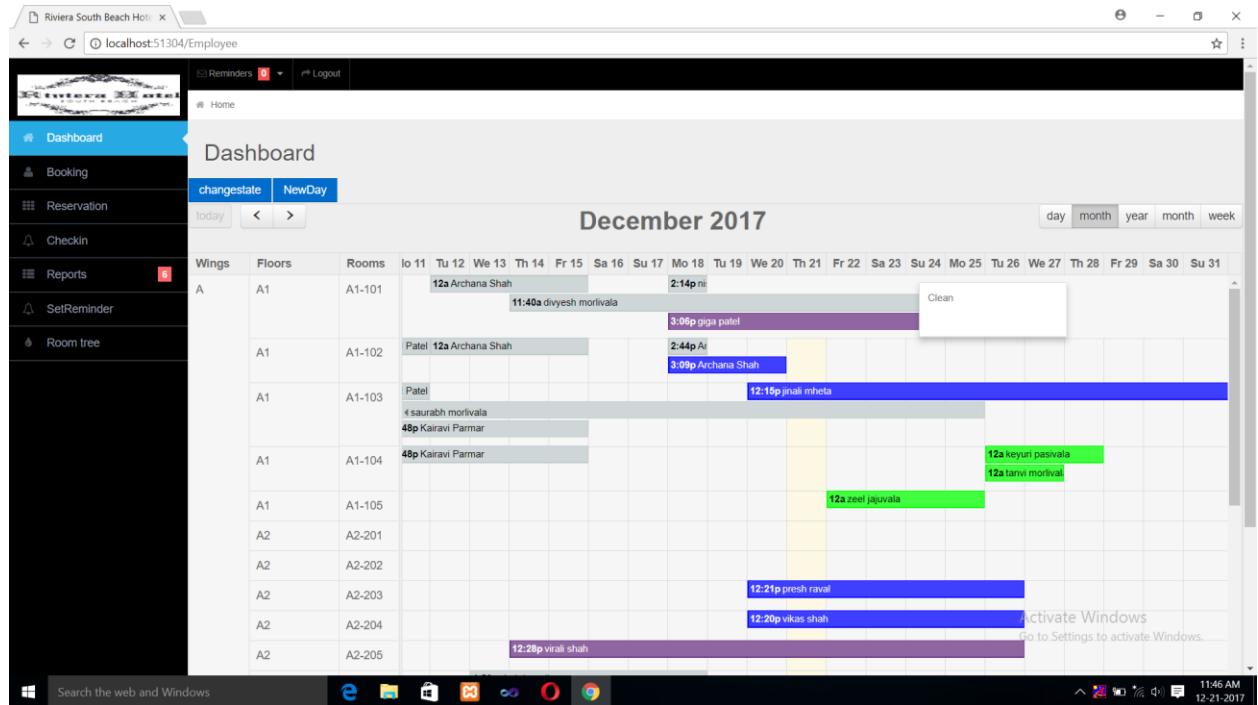


- Reminder Notified Employee Side

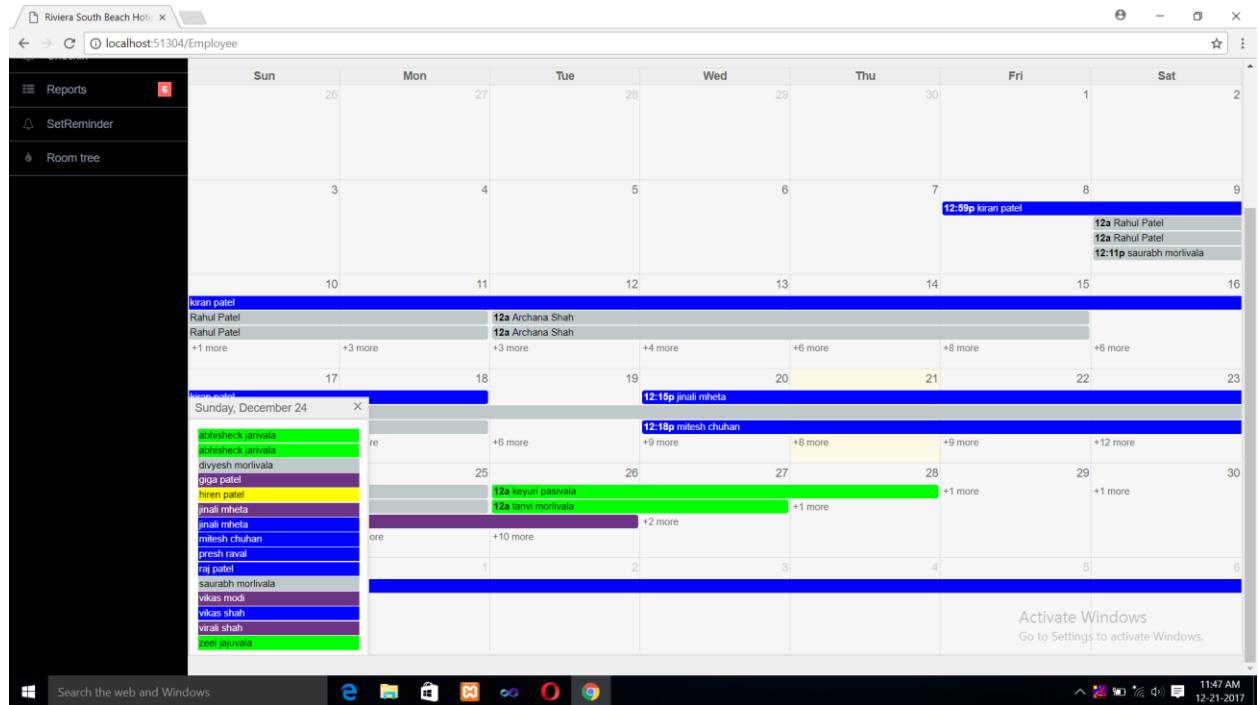


Hospitality Management System | 2017

- Employee side
 - Dashboard with Update Room Status

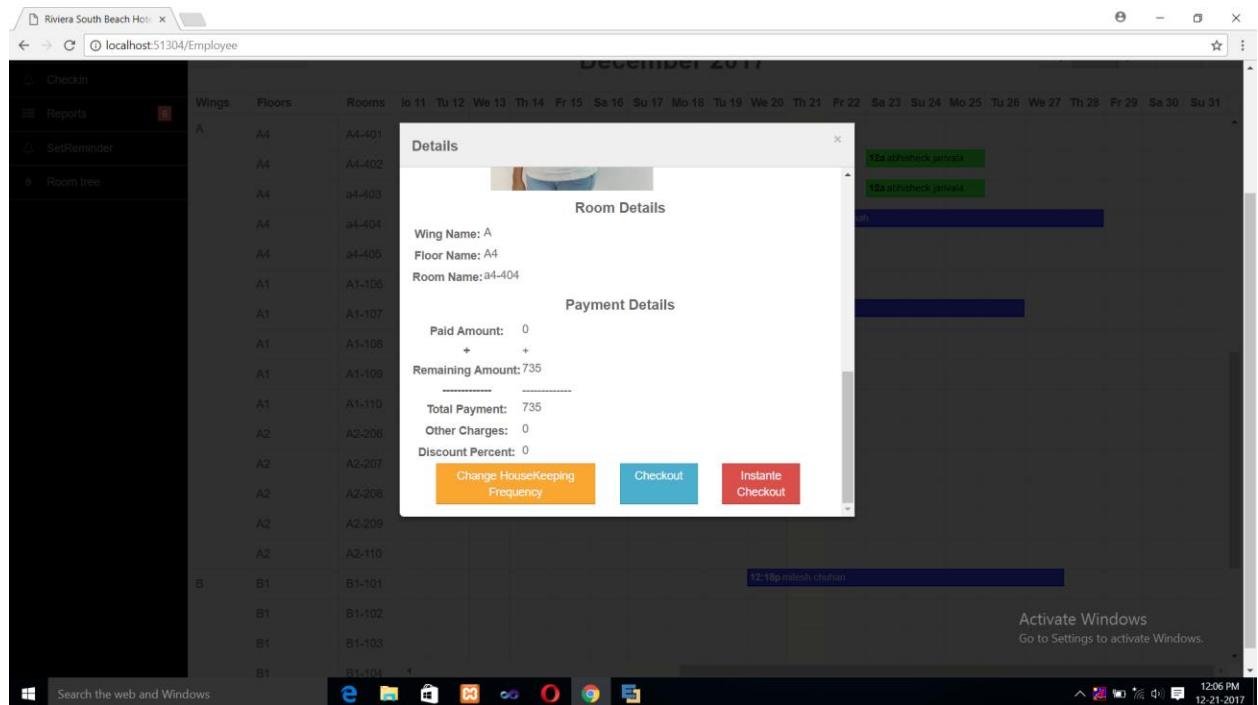
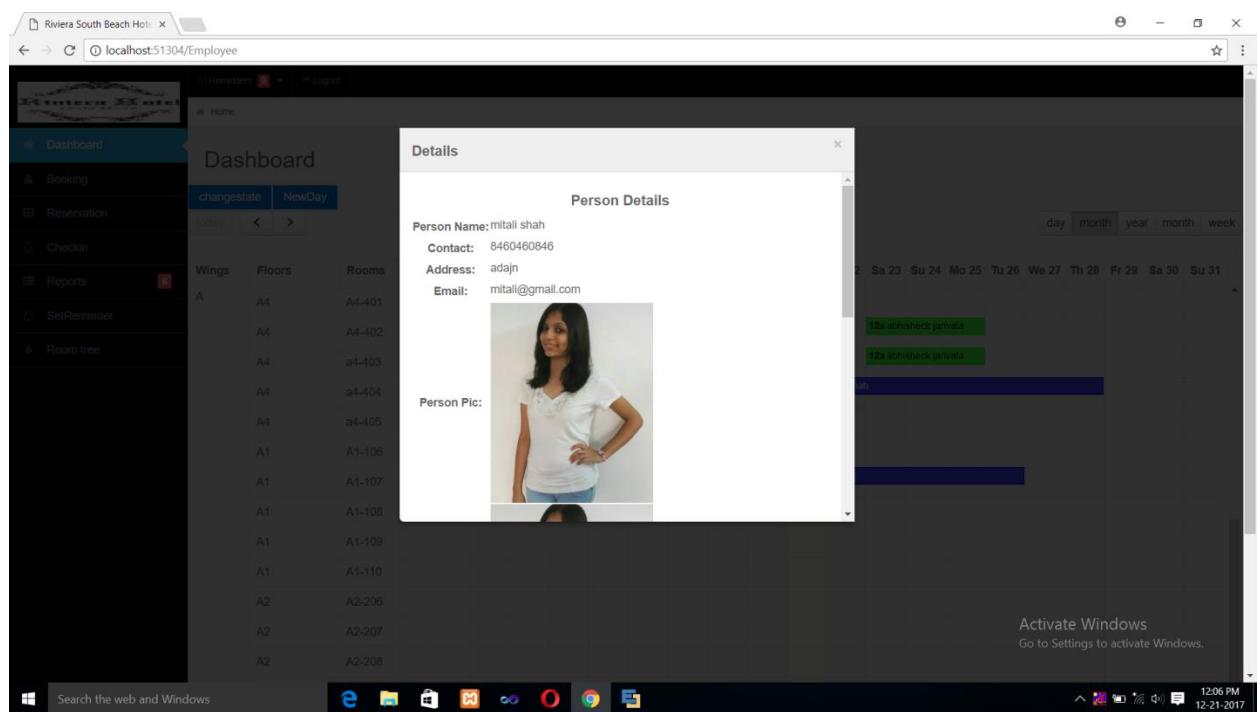


- Booking ,Reservation ,Check-in ,checkout Calendar view



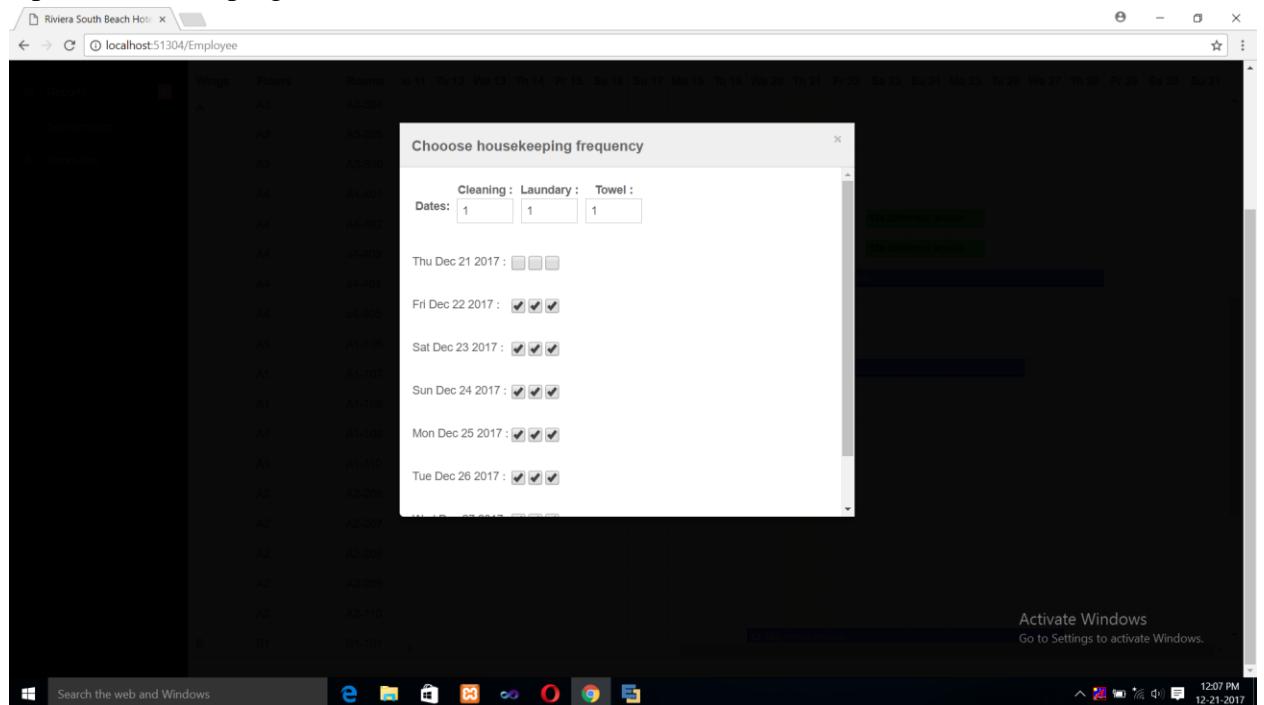
Hospitality Management System | 2017

- Person detail modal

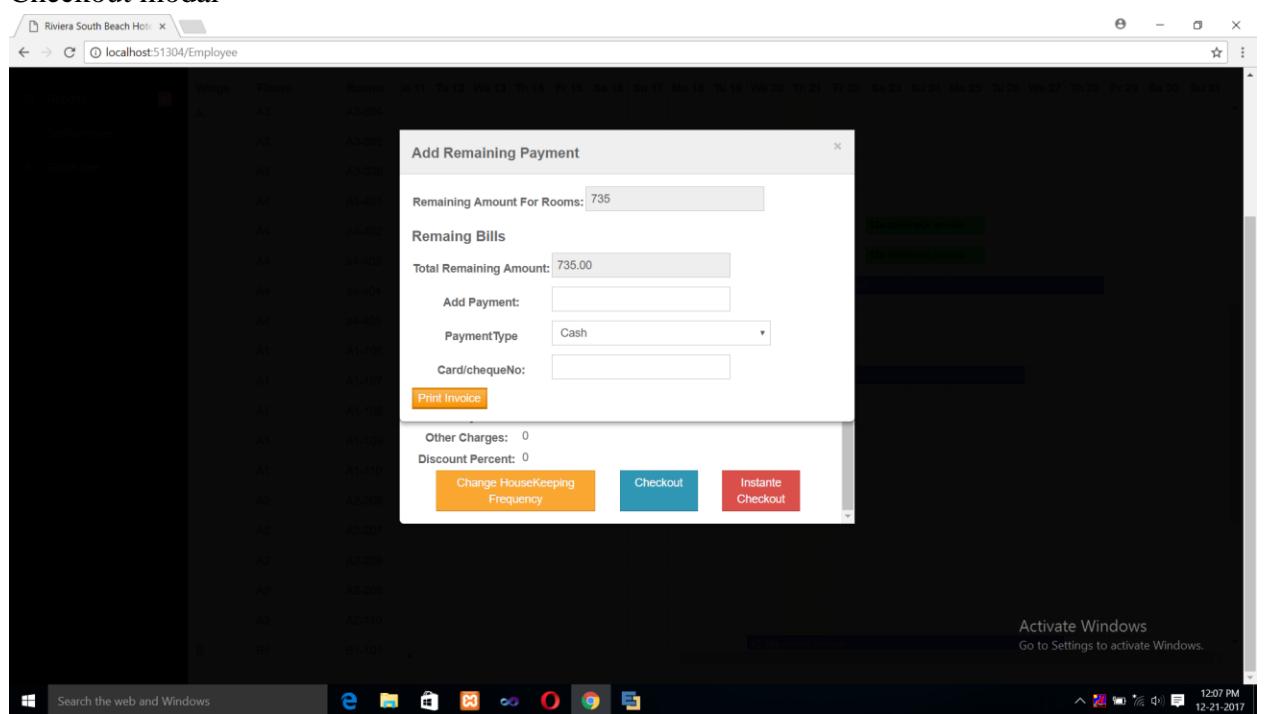


Hospitality Management System | 2017

- Update housekeeping modal



- Checkout modal



Hospitality Management System | 2017

- Invoice Demo

Rivera Hotel
318 20th Street Miami Beach, FL 33139
ContactNO: 305-538-7444 Email: bookings@southbeachgroup.com

FolioNo: 201712049 Date: 12/19/2017 12:54:38PM
ClientName: Paresh Raval MobileNo: 8745859652
RoomNo: A1-103 Refund: 0

SrNo	ReceiptNo	Description	Charges
1	201712049	Classic For 4 Days	400.00
2	201712049	OtherCharges	0.00

Total Amount 400.00
- Refund: 0
+ Tax: 20.00
- Discount: 0.00
Rounding: 0.00

NetAmount: 420.00

- Booking

Riviera South Beach Hotel | localhost:51304/Employee/Booking

Booking Form

Person List Based on Booking Date Search Date
Select Option 12/21/2017

Personal-info

First Name : Atul
Last Name : Mehta
Contact : 8745859652 (999) 999-9999
Address : 34/B Blue Minar Ahmedabad
Email : atulmehta@gmail.com

Room Detail

Number of child : 2
Number of adults : 3
Number of rooms : 2
Select room type : The balcony
Room Rent : 110.00
No of rooms for this type : 2
Add Another Room Type :
Select room type : Select Room Type

Hospitality Management System | 2017

Riviera South Beach Hotel

localhost:51304/Employee/Booking

Email : atulmehta@gmail.com

Dates

Booking Date : 12/13/2017

mm-dd-yyyy

Check-in Date : 12/22/2017

mm-dd-yyyy

Check-out Date : 12/25/2017

December 2017

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

No of rooms for this type : 2

Add Another Room Type :

Charges

Total Room Rent for a Day : 220

Tax : 5

Total Rent : 231

No Of Days : 3

Total Charges : 693

Discount : 0

Balance : 693

Book Reserve Check-in Reset

4:28 PM 12/21/2017

Hospitality Management System | 2017

- Reservation

The screenshot shows the 'Reservation form' for Riviera South Beach Hotel. On the left, a sidebar menu includes Dashboard, Booking, Reservation, Checkin, Reports, SetReminder, and Room tree. The main form has sections for Personal Info (First Name: Atul, Last Name: Mehta, Contact: 8745859652, Address: 34/B Blue Minar Ahmedabad, Email: atulmehta@gmail.com) and Room Detail (Room type: The balcony, Number of rooms: 2). A dropdown menu for Select Rooms lists options like B1-101, B1-102, B1-103, B1-104, and B1-105, with B1-102 currently selected. The Charges section shows Total Rent: 220 and Tax: 0.

This screenshot shows the same reservation form with different room and payment details. The Room Detail section shows Room type: The balcony, Number of rooms: 2, and a dropdown menu for Select Rooms listing B2-201, B2-202, B2-203, B2-204, and B2-205, with B2-202 selected. The Charges section shows Total Rent: 220, Tax: 0, After Tax: 220, Prepaid: 110, PaymentType: Cash, Cheque/CardNo: (empty), Remaining Payment: (empty), and Remaining Payment: 110. The Dates section shows Check-in Date: 12/22/2017 12:00:00 AM and Check-out Date: 12/25/2017 12:00:00 AM. The bottom of the page features buttons for Book, Reserve, Check-in, and Reset.

Hospitality Management System | 2017

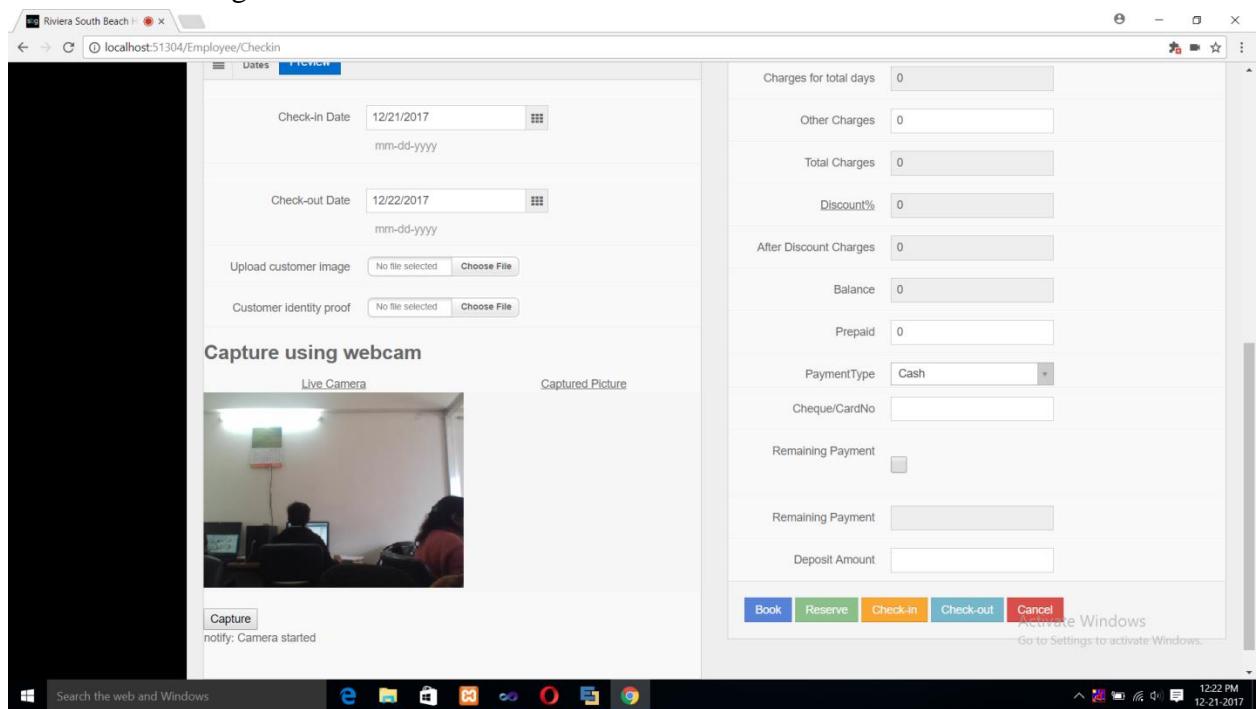
- Check-in

The screenshot shows the 'Check-in form' page. On the left, a sidebar menu includes 'Dashboard', 'Booking', 'Reservation', 'Checkin', 'Reports' (with a red notification badge), 'SetReminder', and 'Room tree'. The main area has a title 'Check-in form'. It features a 'Person List Based on Checkin Date' section with fields for 'First Name', 'Last Name', 'Contact', 'Address', and 'Email'. A 'Search Date' field is set to '12/21/2017'. A calendar for December 2017 is displayed, with the 21st highlighted. To the right, there's a 'Room Detail' section with dropdowns for 'Room type' ('The balcony'), 'Number of rooms' (3), and 'Rooms' (three dropdowns for room numbers 1, 2, and 3). Below this is a 'Charges' section with fields for 'Total Rent' (330), 'Tax' (5), 'Total per room Rent' (346.5), and 'No Of Days' (1). A note at the bottom right says 'Activate Windows'.

This screenshot shows the same 'Check-in form' page, but the focus is on the right side where payment details are listed. The fields include 'Charges for total days' (0), 'Other Charges' (0), 'Total Charges' (0), 'Discount%' (0), 'After Discount Charges' (0), 'Balance' (0), 'Prepaid' (0), 'PaymentType' (set to 'Cash'), 'Cheque/CardNo' (empty), 'Remaining Payment' (checkbox), 'Remaining Payment' (empty field), and 'Deposit Amount' (empty field). At the bottom are buttons for 'Book', 'Reserve', 'Check-in', 'Check-out', and 'Cancel'. A note at the bottom right says 'Activate Windows'.

Hospitality Management System | 2017

- Take Picture using webcam

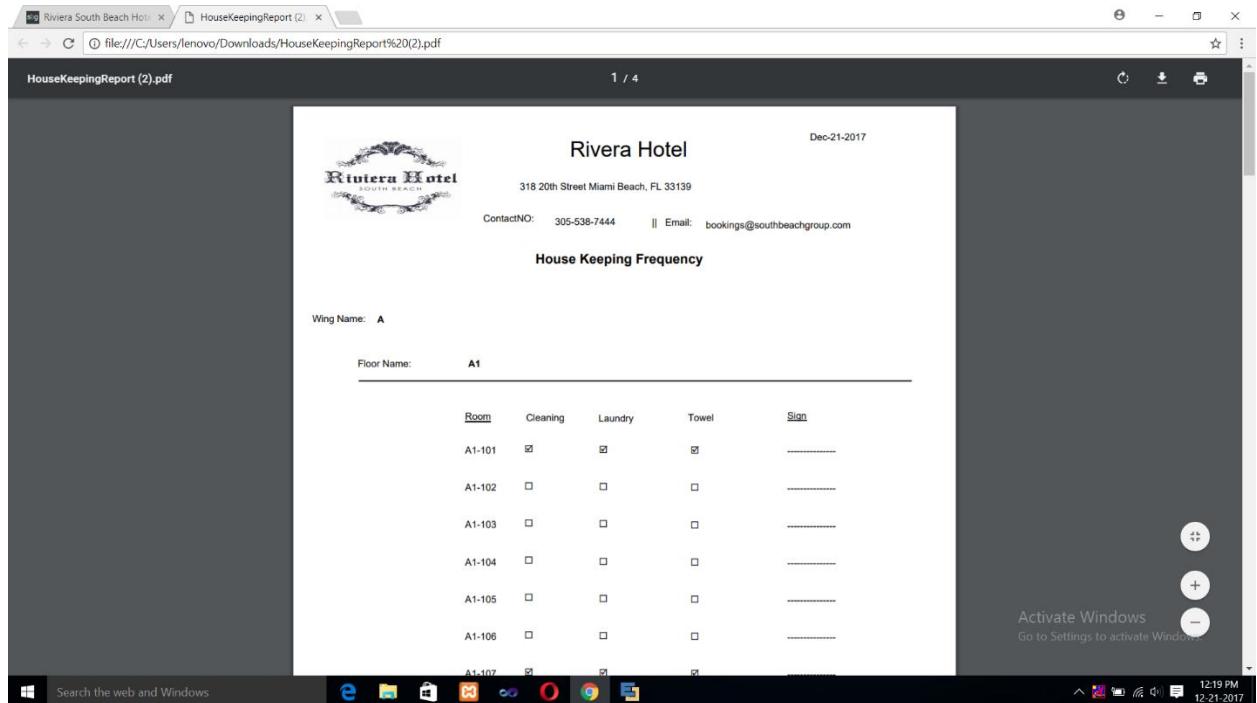


- Reports

The screenshot shows a 'HouseKeeping Report' page from the Riviera South Beach Hotel. On the left, a sidebar menu includes 'Dashboard', 'Booking', 'Reservation', 'Checkin', 'Reports' (selected), and 'SetReminder'. The main content area is titled 'HouseKeeping Report' and shows a table of room statuses for floors A1 and A2. The columns are 'Rooms', 'Cleaning', 'Laundry', 'Towel', and 'Signature'. For each room, there is a checkbox in the 'Cleaning' column and a signature line in the 'Signature' column. Rooms A1-101 through A1-110 are listed under floor A1, and rooms A2-201 through A2-208 are listed under floor A2. A 'Download Report' button is located above the table. The date 'Date: 12-21-2017' is displayed above the table. A status message 'Activate Windows Go to Settings to activate Windows.' is at the bottom right. The bottom navigation bar includes the Windows Start button, a search bar, and icons for Edge, File Explorer, Task View, OneDrive, Mail, and Google Chrome. The system tray shows the date and time as 12-21-2017 12:19 PM.

Hospitality Management System | 2017

- Crystal report view of Housekeeping report



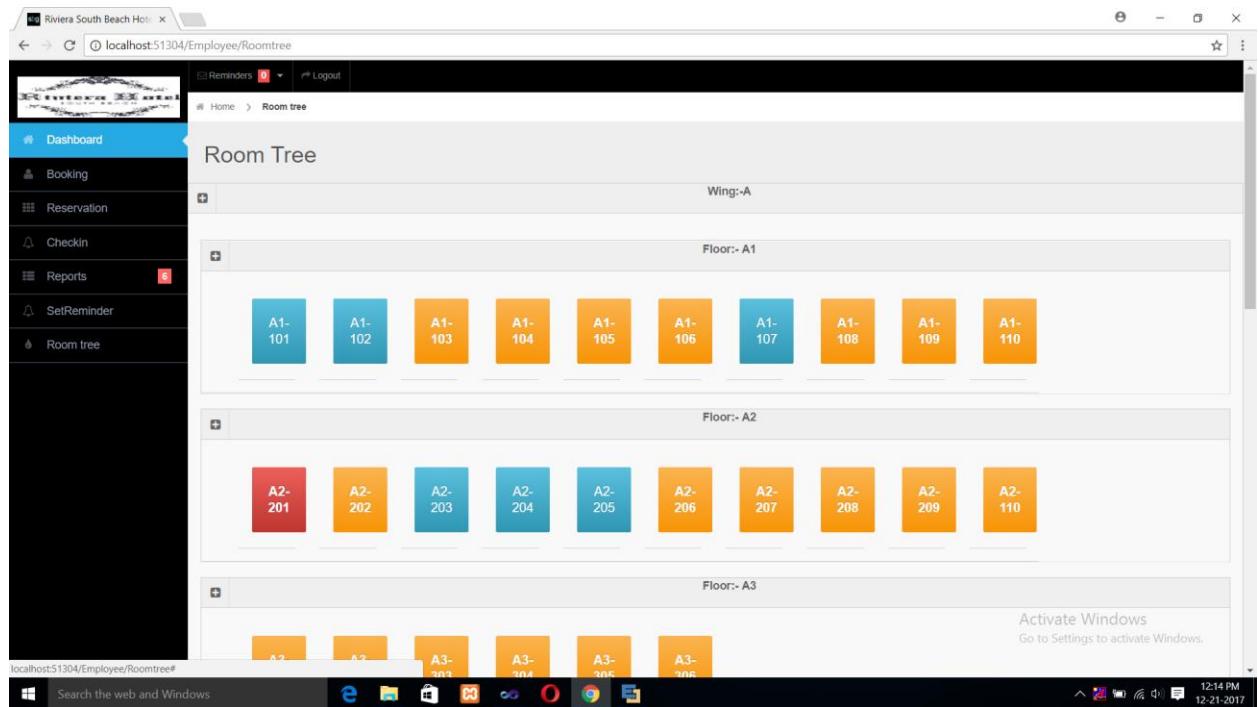
The screenshot shows a web-based booking report interface. On the left, there's a sidebar with navigation links: Dashboard, Booking, Reservation, Checkin, Reports (with a red notification badge), Daily Housekeeping Report, Booking Report, Tax Report, OtherCharges Report, Sales Report, Reservation Report, SetReminder, and Room tree. The main content area is titled "Booking Report". It has three tabs: "Daily report" (unchecked), "Monthly Report" (checked), and "Yearly Report" (unchecked). Below these tabs are input fields for "From" (2017/12/1) and "To" (2017/12/31), and a "Download Report" button. The main table lists guest information:

Person Name	Contact	Checkin Date	Checkout Date	Number of Days
Archana Shah	8574585695	12-12-2017 12:00:00 AM	12-16-2017 12:00:00 AM	4
Rahul Patel	8547856985	12-09-2017 12:00:00 AM	12-12-2017 12:00:00 AM	3
hitanshi patel	8460460846	12-24-2017 12:00:00 AM	12-26-2017 12:00:00 AM	2
ilia sharma	8460460846	12-23-2017 12:00:00 AM	12-26-2017 12:00:00 AM	3
tanvi makhnvala	8460460846	12-26-2017 12:00:00 AM	12-27-2017 12:00:00 AM	1
keyuri pasivala	8460460846	12-26-2017 12:00:00 AM	12-29-2017 12:00:00 AM	3
tanvi morlivala	8460460846	12-26-2017 12:00:00 AM	12-28-2017 12:00:00 AM	2
zeel jajuvala	8460460846	12-22-2017 12:00:00 AM	12-26-2017 12:00:00 AM	4
abhishek jarivala	8460460846	12-23-2017 12:00:00 AM	12-26-2017 12:00:00 AM	3
hiren patel	8460460846	12-23-2017 12:00:00 AM	12-27-2017 12:00:00 AM	4

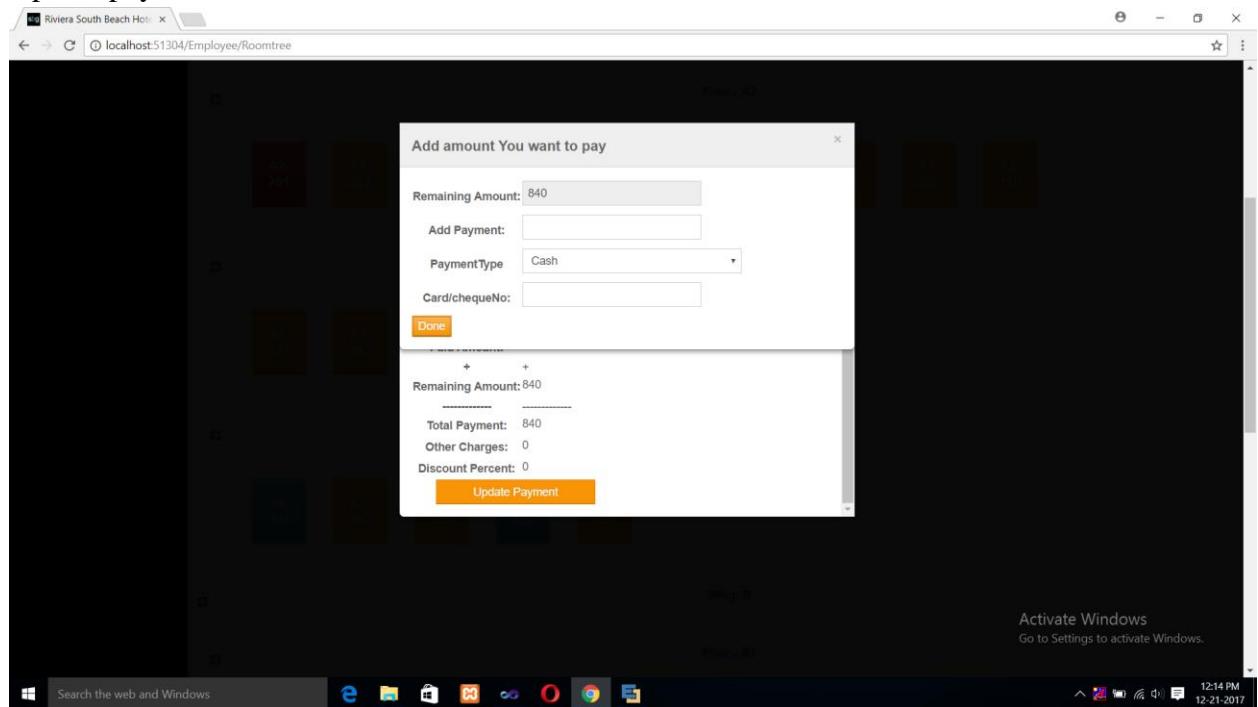
The Windows taskbar at the bottom shows various icons and the date "12-21-2017" at the bottom right. There's also a message "Activate Windows Go to Settings to activate Windows." on the right side of the screen.

Hospitality Management System | 2017

- Room tree

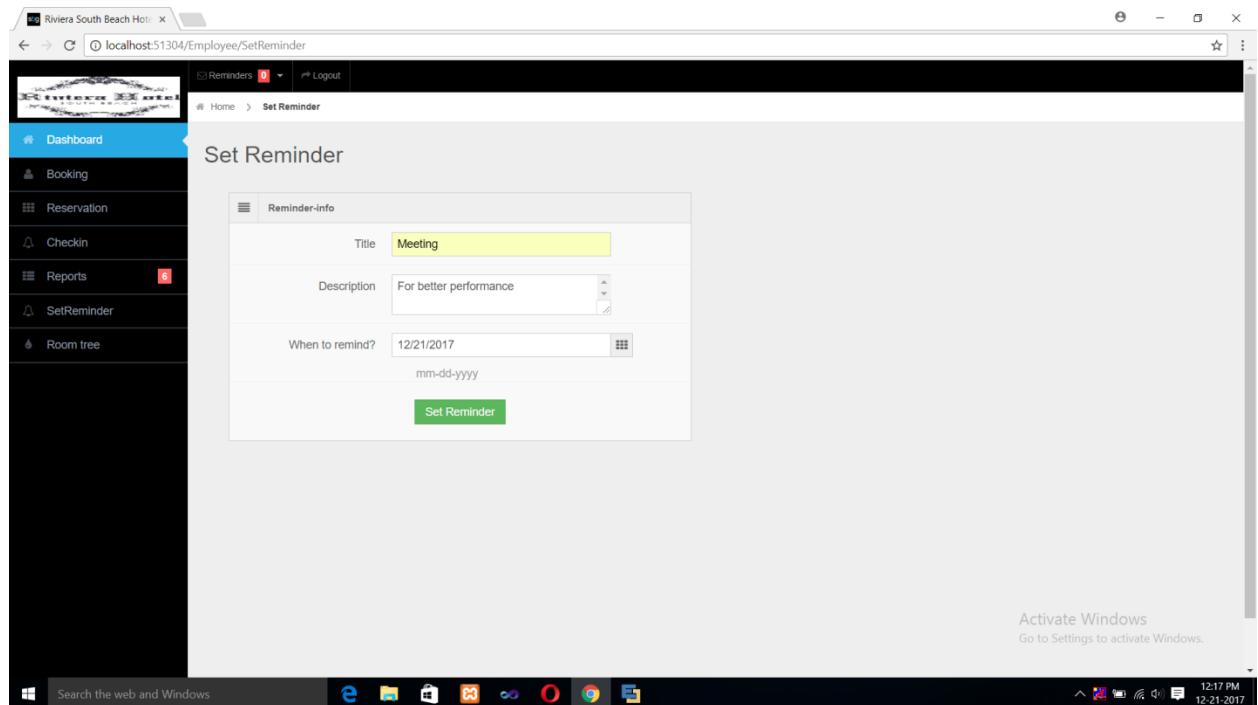


- Update payment

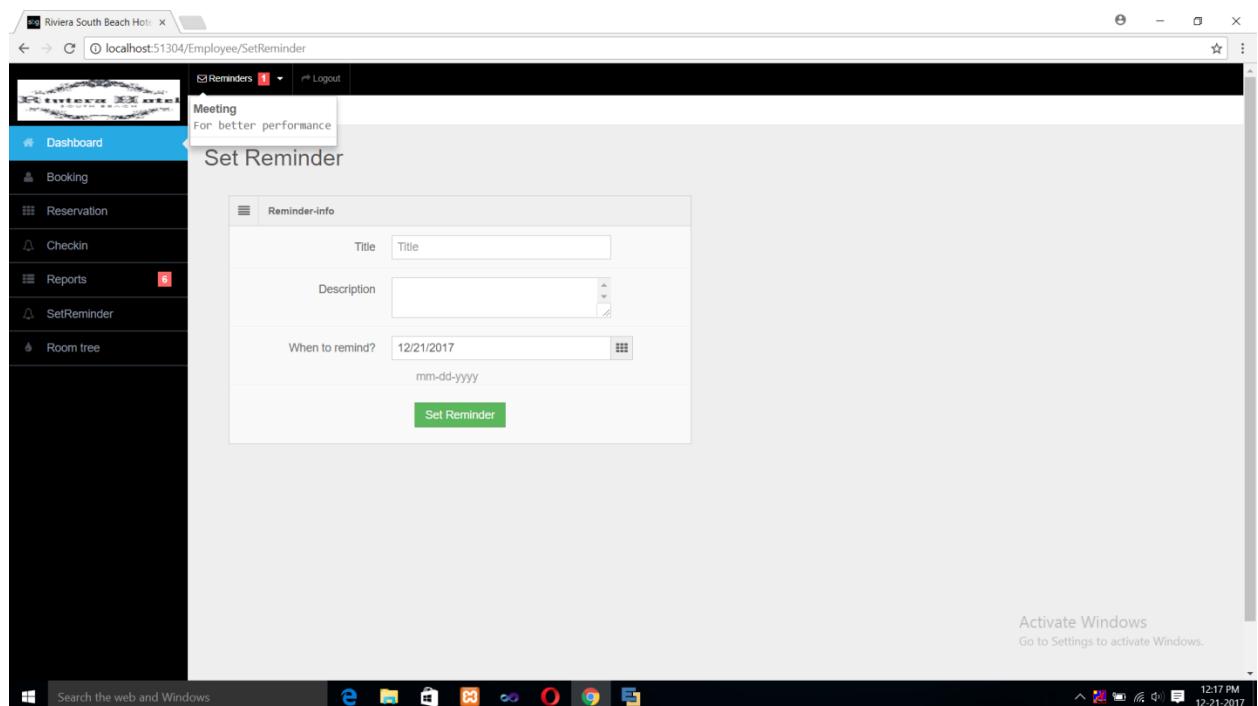


Hospitality Management System | 2017

- Set Reminder

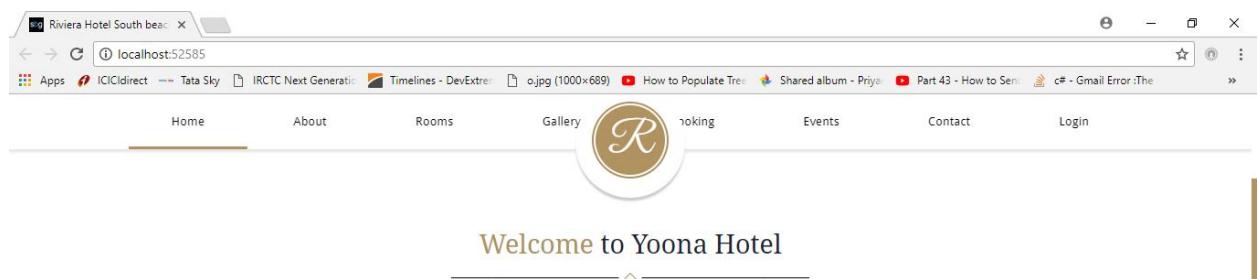
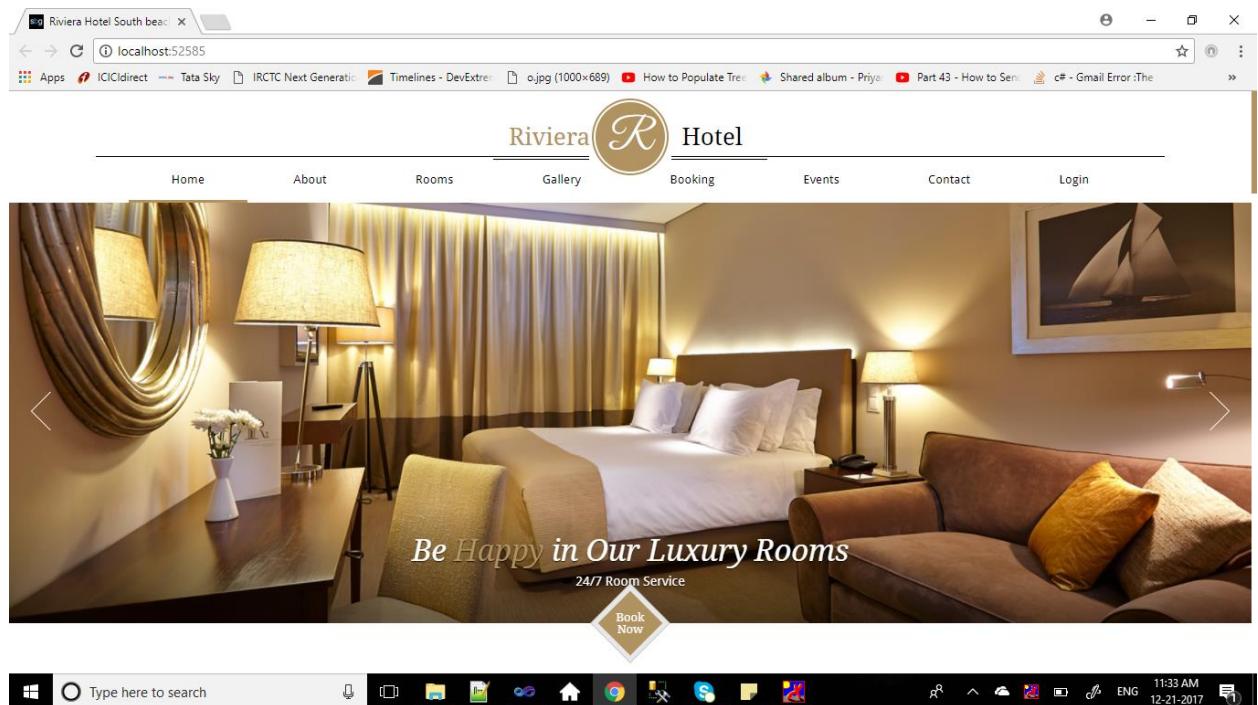


- Reminder notified to employee his self



Hospitality Management System | 2017

- User side



No matter how many BAD DECISIONS you make while you're here, you can rest assured you made at least one good one. By choosing to stay at a South Beach Group Hotel you're getting a true South Beach experience at the absolute best value.

Not only do we offer FREE DRINK happy hours and free internet, giving you the best bang for your buck, each of our boutique spots are situated right in the middle of the action... and perfectly poised to help you get some.

So whether your vacation will entail relaxation and romance, beaches and margaritas or the wild and crazy this-can-only-happen-in-South-Beach, this city is known for – our staff should help you make the most of your time here.

— Mike Muray - General Manager



Luxury Rooms



Hospitality Management System | 2017

The screenshot shows a web browser window for 'Riviera Hotel South beach' at localhost:52585. The page features a navigation bar with links for Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. A large circular logo with a stylized 'R' is centered above the main content. Below the logo, the text 'Luxury Rooms' is displayed. Three room types are shown in a row: 'Classic' (bed with red blanket), 'The balcony' (bed with balcony view), and 'Two Queens' (two beds). Each room has a 'Details' button below it.

The screenshot shows a web browser window for 'Riviera Hotel South beach' at localhost:52585. The page features a navigation bar with links for Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. A large circular logo with a stylized 'R' is centered above the main content. Below the logo, the text 'Other Visitor's Experiences' is displayed. Three reviews are shown in a horizontal scrollable list:

- Pavan: Fantastic location - close to everything.
- avishhek: Excellent location of the hotel in the center of city. Good food and good hospitality.
- jyoti: Great hospitality and awesome food. Rooms were clean. Staff was very helpful.

Hospitality Management System | 2017

Riviera Hotel South beach X localhost:52585

Home About Rooms Gallery Booking Events Contact Login

Upcoming Events

art brussel event the nutcracker Sounds of the season, the new world symphony new year eve

Sounds of the season, the new world symphony
17 December, 2017
The New World Symphony presents a festive program celebrating the holiday season, offering audience members an opportunity to gather and share music with friends and family.

Type here to search

11:34 AM 12-21-2017

Riviera Hotel South beach X localhost:52585

Home About Rooms Gallery Booking Events Contact Login

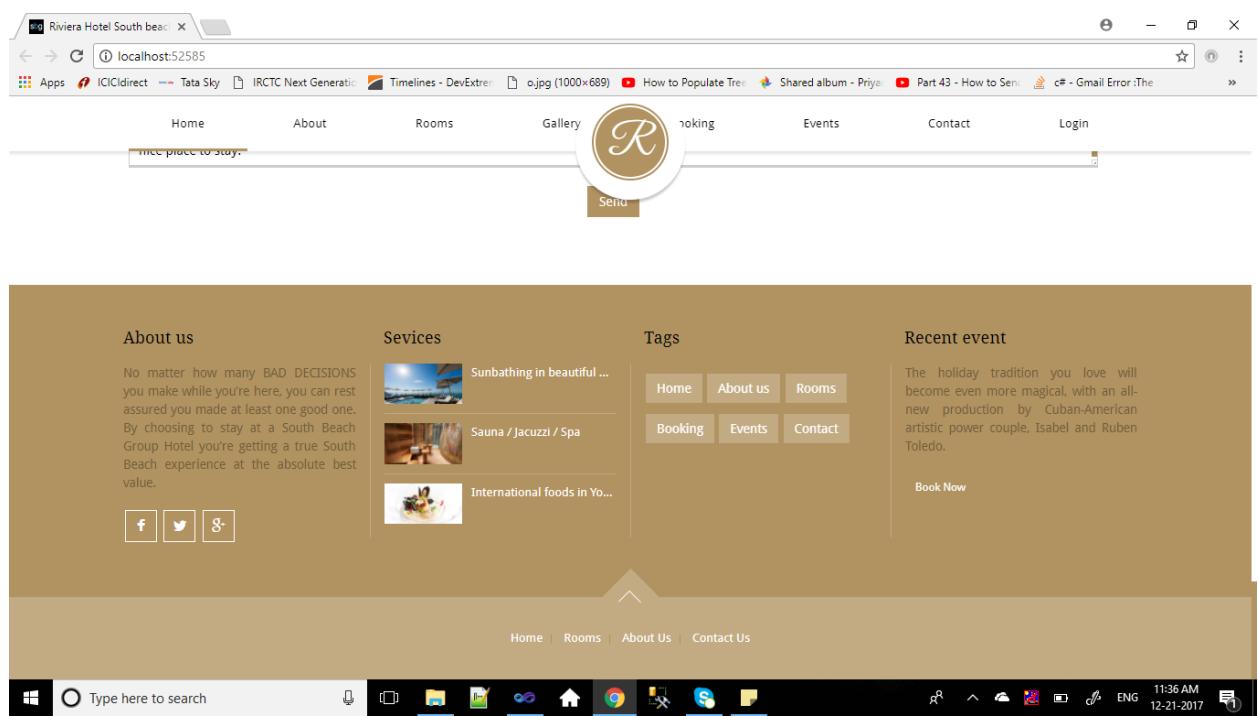
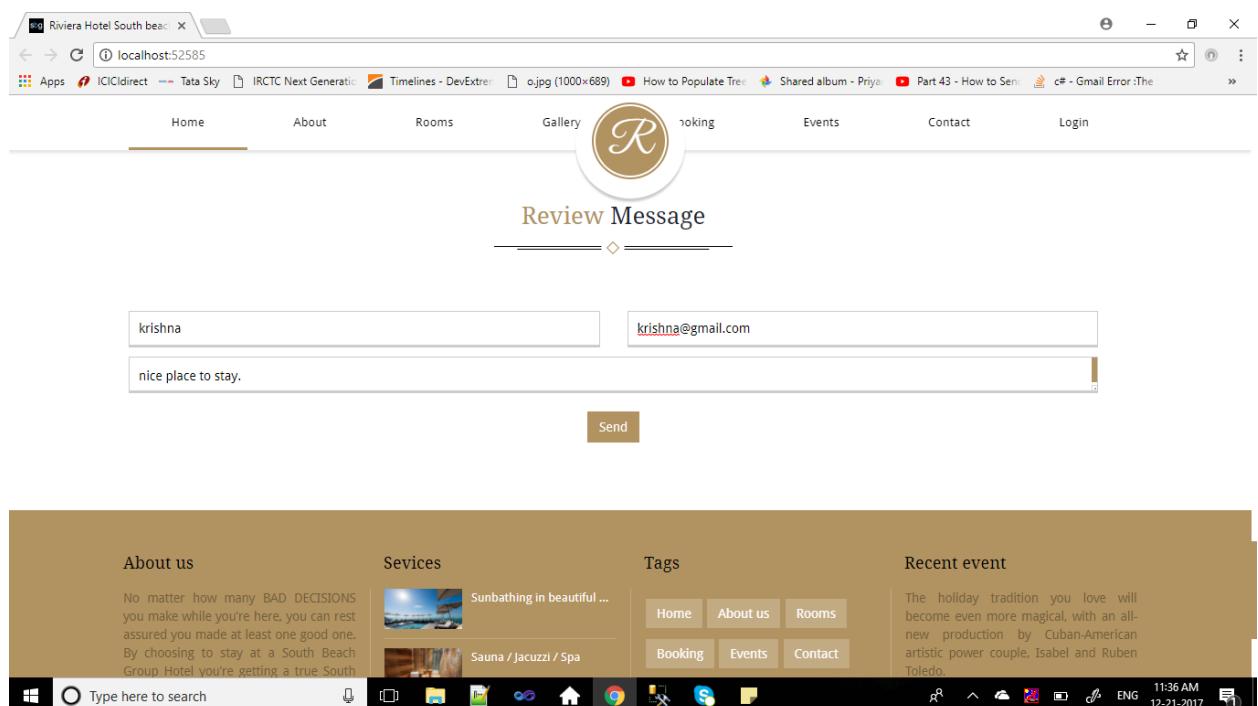
Sounds of the season, the new world symphony
17 December, 2017
The New World Symphony presents a festive program celebrating the holiday season, offering audience members an opportunity to gather and share music with friends and family.
Enjoy selections from a variety of cultural heritages, certain to delight audiences of all ages. The Saturday performance is presented by the City of Miami Beach for its residents.
CHOREOGRAPHY
George Balanchine
© The George Balanchine Trust
PRODUCTION SUPERVISION
Lourdes Lopez
MUSIC
Peter Ilyich Tchaikovsky
COSTUME DESIGN
Isabel and Ruben Toledo

Book Now

Type here to search

11:35 AM 12-21-2017

Hospitality Management System | 2017



Hospitality Management System | 2017

The screenshot shows a web browser window for 'Riviera Hotel South beach' at 'localhost:52585/User/about'. The page features a navigation bar with links for Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. A large circular logo with a stylized 'R' is centered above the word 'Services'. Below the logo are three images: a swimming pool, a courtyard with lounge chairs, and an interior of 'Mas Cuba cafe & Bar'. Each image has a caption below it: 'Swimming pool', 'Courtyard', and 'Mas Cuba cafe & Bar'. The Windows taskbar at the bottom includes icons for search, file explorer, and various applications.

The screenshot shows a web browser window for 'Riviera Hotel South beach' at 'localhost:52585/User/Rooms'. The page features a navigation bar with links for Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. A large banner image shows a close-up of a coffee cup with the word 'Rooms' overlaid. Below the banner are three room types: 'Classic' (bed with a red blanket), 'The balcony' (bed with a balcony view), and 'Two Queens' (two beds). Each room type has a 'Details' button below it. The Windows taskbar at the bottom includes icons for search, file explorer, and various applications.

Hospitality Management System | 2017

The screenshot shows a web browser window for 'Riviera Hotel South beach' at 'localhost:52585/User/roomdetails?rid=3'. The page features a large image of a hotel room with a bed and a small sitting area. A circular logo with a stylized 'R' is centered above the room details. Below the image, the heading 'Room Details' is displayed. To the left of the main content, there is a sidebar with icons for 24h Room Service, Free Mini Bar, TV in room, Free wifi, and Room Security. To the right, there is a smaller image of a well-decorated bedroom.

The screenshot shows a web browser window for 'Riviera Hotel South beach' at 'localhost:52585/User/Galleryinfo'. The page features a large banner image of a latte art coffee cup. The header includes the 'Riviera Hotel' logo. Below the banner, there is a navigation menu with links to Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. The main content area displays a grid of smaller images showing various hotel facilities: a swimming pool, a bedroom, a bathroom, and a living room. At the bottom of the page, there is a footer with a search bar and a taskbar.

Hospitality Management System | 2017

Riviera Hotel South Beach

localhost:52585/User/BookingInfo

Home About Rooms Gallery Booking Events Contact Login

1 2 3 4

Choose Your Date Choose Your Room Reservation Confirmation

Check in Check out

12-28-2017 12-30-2017

Other details

1 1 0

Check Availability

Type here to search

11:38 AM 12-21-2017

Riviera Hotel South Beach

localhost:52585/User/BookingInfo

Home About Rooms Gallery Booking Events Contact Login

1 2 3 4

Choose Your Date Choose Your Room Reservation Confirmation

Classic The balcony Two Queens

110.00

Details Details Details

Type here to search

11:38 AM 12-21-2017

Hospitality Management System | 2017

The screenshot shows a web browser window for 'Riviera Hotel South beach' at 'localhost:52585/User/BookingInfo'. The page displays a four-step booking process:

- 1 Choose Your Date
- 2 Choose Your Room
- 3 Reservation
- 4 Confirmation

Below the steps, there is a 'Guest info' section with input fields for Name (yugma, shroff), Email (y@gmail.com), Phone (7830208467), and City (Surat). A note indicates 'Check-in: 3:00pm Check-out: 11:00am'. A 'Send Inquiry' button is present. The browser taskbar at the bottom shows various open tabs and system icons.

The screenshot shows the same web browser window after the reservation has been completed. The 'Reservation Complete!' message is displayed prominently. Below it, a note states: 'Details of your reservation request was sent to your email' and 'For more information you can contact us via [contact form](#) of website'. The browser taskbar at the bottom shows various open tabs and system icons.

Hospitality Management System | 2017

The screenshot shows a Windows desktop environment with a browser window open to the Riviera Hotel South Beach website. The browser's address bar displays "localhost:52585/User/eventinfo". The website features a gold-colored logo with a stylized 'R' inside a circle. The navigation menu includes Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. The main content area has a banner with a close-up of a coffee cup. Below the banner, there are two event listings: "art brussel event" featuring a colorful mural and "the nutcracker" featuring a ballerina. The Windows taskbar at the bottom shows various pinned icons and the date/time "11:44 AM 12-21-2017".

Events

[Home](#) > [Events](#)

art brussel event

In our American show, leading galleries from North America, Latin America, Europe, Asia and Africa show significant work from the masters of Modern and contemporary art, as well the new generation of emerging stars.

Ambitious large scale artworks, films and performances become part of the city's outdoor landscape at nearby Collins Park and SoundScape Park.

the nutcracker

The holiday tradition you love will become even more magical, with an all-new production by Cuban-American artistic power couple, Isabel and Ruben Toledo.

Want to see the behind the scenes to our new production? Learn more about Isabel and Ruben Toledo as they tell us what inspired them and how they balanced this timeless ballet with their creative perspective. You can sponsor our costumes too!

The screenshot shows a Windows desktop environment with a browser window open to the Riviera Hotel South Beach website. The browser's address bar displays "localhost:52585/User/Contactinfo". The website features a gold-colored logo with a stylized 'R'. The navigation menu includes Home, About, Rooms, Gallery, Booking, Events, Contact, and Login. The main content area has a section titled "Contact Information" with three contact boxes: one for address (318 20th Street Miami Beach, FL 33139), one for phone number (305-538-7444), and one for email (bookings@southbeachgroup.com / 877-762-3477). Below these is a map of Miami Beach with a red dot indicating the hotel's location. A sidebar on the right contains input fields for "pravin" and "8903748989" and a message box asking "want to contact you for more details". The Windows taskbar at the bottom shows various pinned icons and the date/time "11:54 AM 12-21-2017".

Contact Information

318 20th Street Miami Beach, FL 33139

305-538-7444

bookings@southbeachgroup.com / 877-762-3477

Riviera Hotel South Beach
View larger map

Riviera Hotel South Beach
Chic rooms & suites in...
SBH South Beach Hotel
Chic art-deco property with a pool
Miami Beach Convention Center
Shore Club South Beach

pravin

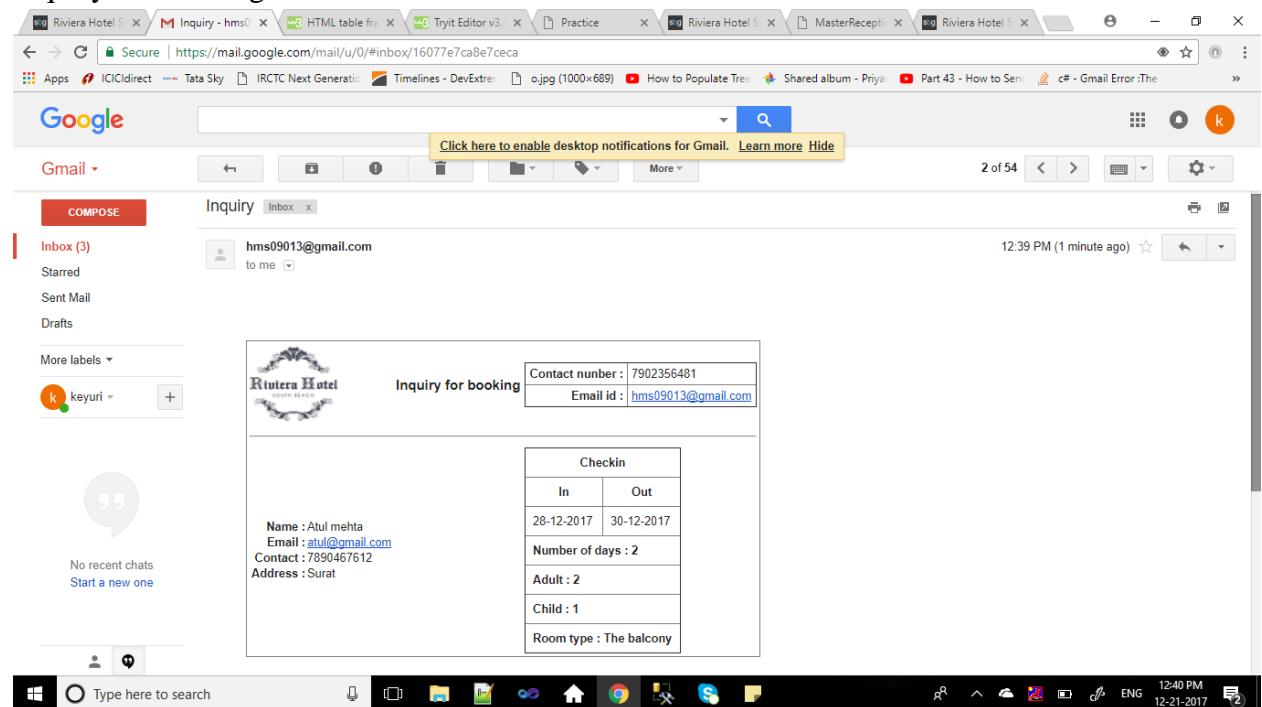
8903748989

Rajasthan

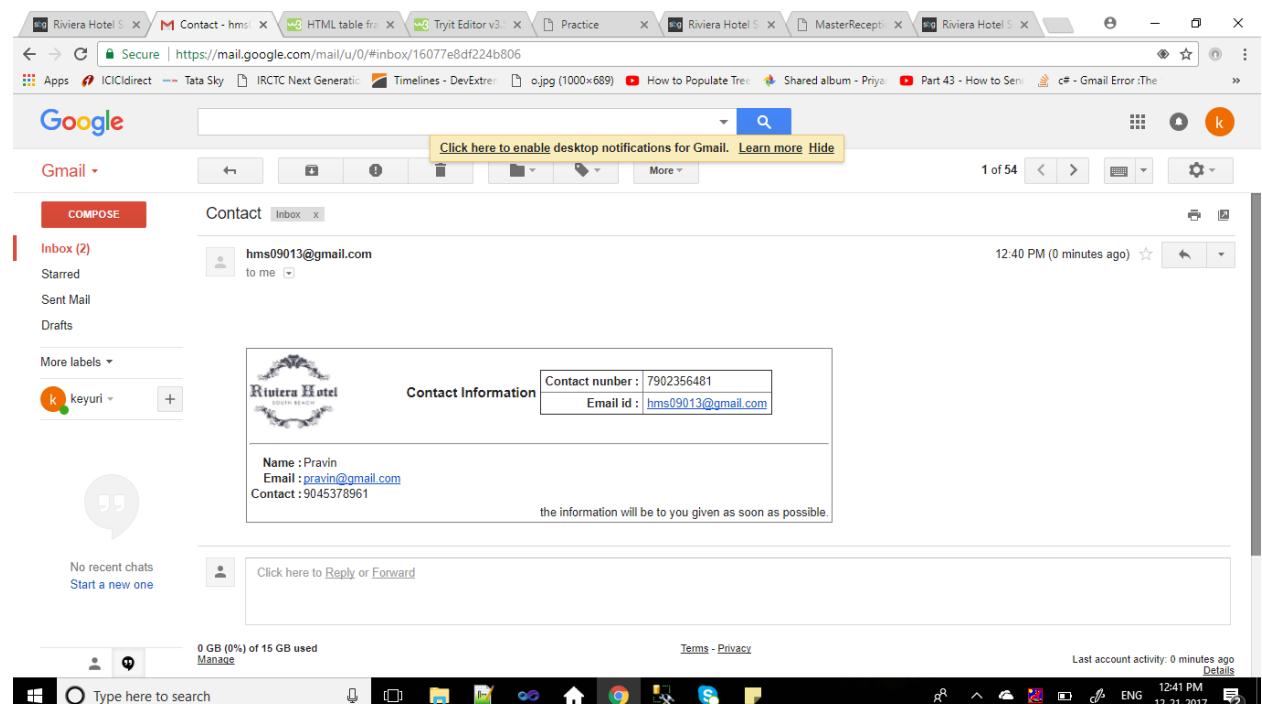
want to contact you for more details

Hospitality Management System | 2017

- Inquiry for booking mail

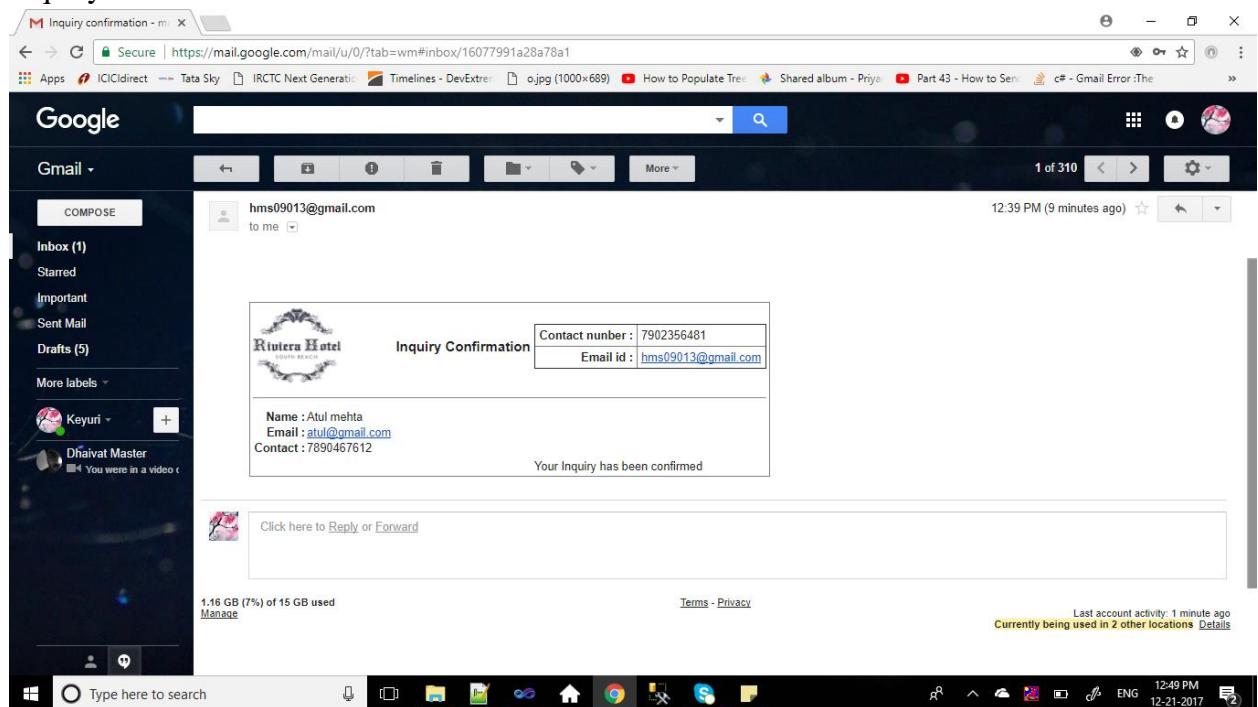


Contact information mail

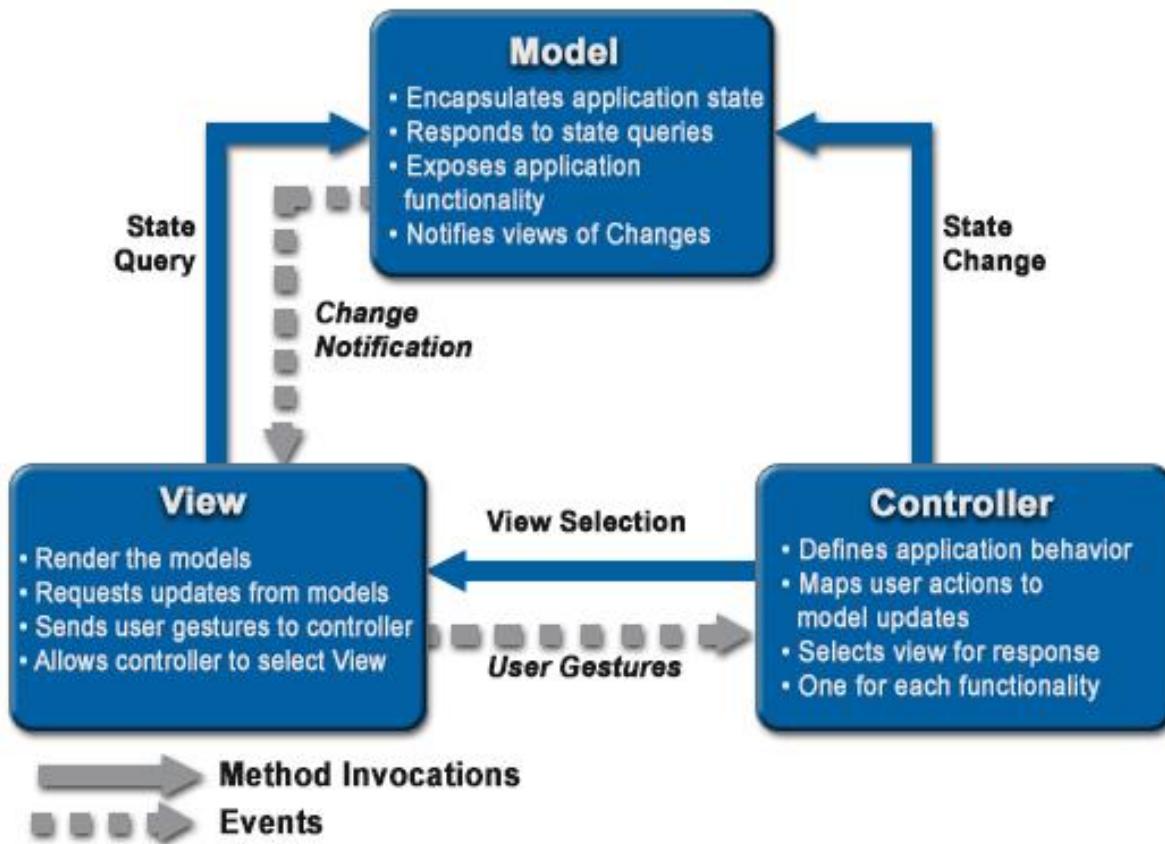


Hospitality Management System | 2017

- Inquiry Confirmation



SYSTEM ARCHITECTURE DESIGN



TESTING

➤ Unit Testing

- Admin side:

Page name	View	Insert	Update	Delete	Validate	Search	Sort
Index.cshtml	✓	-	-	-	-	-	-
Add.cshtml	-	✓	-	-	✓	-	-
Table.cshtml	✓	-	-	-	-	✓	✓
GenerateHouseKeepingReport.cshtml	✓	-	-	-	-	-	-
BookingReport.cshtml	✓	-	-	-	-	✓	-
TaxReport.cshtml	✓	-	-	-	-	✓	-
OtherCharges.cshtml	✓	-	-	-	-	✓	-
Salesreport.cshtml	✓	-	-	-	-	✓	-
Reservetion.cshtml	✓	-	-	-	-	✓	-
ManageWing.cshtml	✓	✓	✓	✓	✓	✓	✓
ManageFloor.cshtml	✓	✓	✓	✓	✓	✓	✓
ManageRoomType.cshtml	✓	✓	✓	✓	✓	✓	✓
ManageRoom.cshtml	✓	✓	✓	-	✓	-	-
Addtax.cshtml	✓	✓	✓	✓	✓	✓	✓
AddHouseKeeping.cshtml	✓	✓	-	-	✓	✓	✓
SetReminder.cshtml	-	✓	-	-	✓	-	-
ReviewDetail.cshtml	✓	-	✓	✓	-	-	-

Hospitality Management System | 2017

- Employee side:

Page name	View	Insert	Update	Delete	Validate	Search	Sort
Index.cshtml	✓	-	✓	-	✓	-	-
Booking.cshtml	-	✓	-	-	✓	✓	-
AddReservation.cshrm	-	✓	-	-	✓	✓	-
Checkin.cshtml	-	✓	-	-	✓	✓	-
GenerateHouseKeepingRepo rt.cshtml	✓	-	-	-	-	-	-
BookingReport.cshtml	✓	-	-	-	-	✓	-
TaxReport.cshtml	✓	-	-	-	-	✓	-
OtherCharges.cshtml	✓	-	-	-	-	✓	-
Salesreport.cshtml	✓	-	-	-	-	✓	-
Reservetion.cshtml	✓	-	-	-	-	✓	-
SetReminder	-	✓	-	-	-	-	-
Roomtree	✓	-	✓	-	-	-	-

Hospitality Management System | 2017

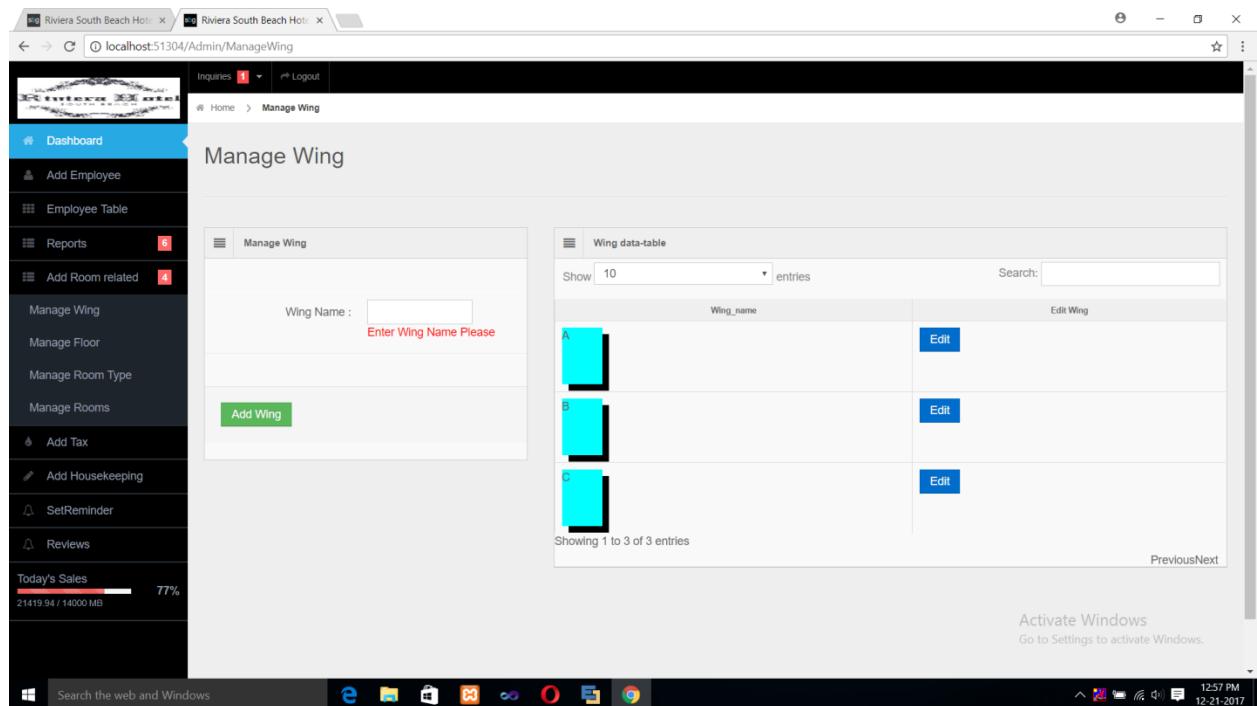
- Client side:

Page name	View	Insert	Update	Delete	Validate	Search	Sort
Index.cshtml	✓	✓	-	-	✓	-	-
About.cshtml	✓	-	-	-	-	-	-
Rooms.cshtml	✓	-	-	-	-	-	-
Roomdetails.cshtml	✓	-	-	-	-	-	-
Galleryinfo.cshtml	✓	-	-	-	-	-	-
BookingInfo.cshtml	-	✓	-	-	✓	-	-
Eventinfo.cshtml	✓	-	-	-	-	-	-
Contactinfo.cshtml	-	✓	-	-	✓	-	-

Hospitality Management System | 2017

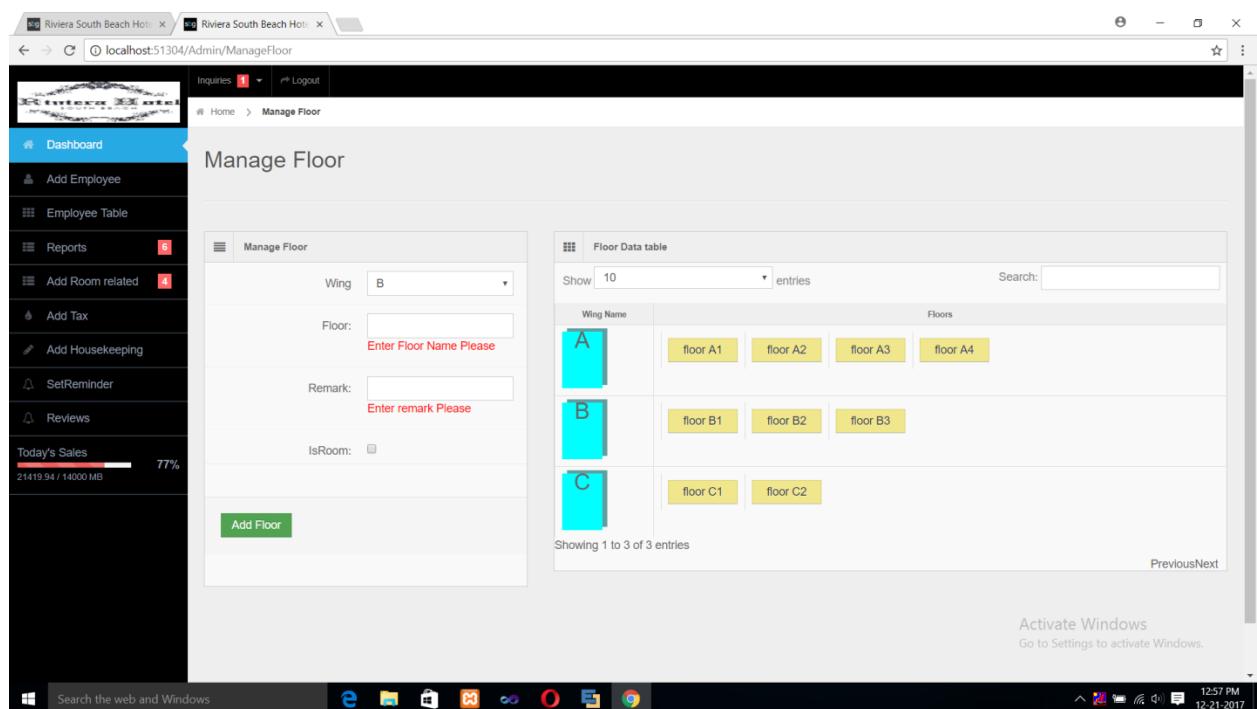
INTEGRATION TESTING:

○ Manage Wing



The screenshot shows the 'Manage Wing' page of the Hospitality Management System. On the left, a sidebar menu includes 'Manage Wing' under the 'Reports' section. The main area has a form with a 'Wing Name:' input field containing 'A'. Below it is a green 'Add Wing' button. To the right is a data-table titled 'Wing data-table' showing three entries: 'A', 'B', and 'C'. Each entry has an 'Edit' button. A red validation message 'Enter Wing Name Please' is displayed above the input field. The status bar at the bottom shows '12:57 PM 12-21-2017'.

○ Manage Floor



The screenshot shows the 'Manage Floor' page. The sidebar menu includes 'Manage Floor' under the 'Reports' section. The main area has a form with a 'Wing:' dropdown set to 'B', a 'Floor:' input field containing 'A', and a 'Remark:' input field containing 'C'. Below these is an 'IsRoom:' checkbox. A green 'Add Floor' button is at the bottom. To the right is a data-table titled 'Floor Data table' showing three entries: 'A', 'B', and 'C'. Each entry has four floor sub-options: 'floor A1', 'floor A2', 'floor A3', 'floor A4' for wing A; 'floor B1', 'floor B2', 'floor B3' for wing B; and 'floor C1', 'floor C2' for wing C. Red validation messages 'Enter Floor Name Please' and 'Enter remark Please' are shown above the respective fields. The status bar at the bottom shows '12:57 PM 12-21-2017'.

Hospitality Management System | 2017

- Manage Room's type

The screenshot shows the 'Manage RoomType' page. On the left, there is a sidebar with various management options: Add Employee, Employee Table, Reports, Add Room related (with 4 items), Add Tax, Add Housekeeping, SetReminder, Reviews, and Today's Sales (77%). The main area has a form with fields: Room Type (placeholder 'Enter Room type Please'), Charge (placeholder 'Charges Please'), and Description (placeholder 'image field Can't be empty'). Below the form is a green 'Add RoomType' button. To the right, there is a table titled 'Wing data-table' showing room types and their charges:

Room name	Charges	Edit
Classic	100.00	Edit
Lux one-bedroom suits	137.00	Edit
Studio penthouse	150.00	Edit
The balcony	110.00	Edit

At the bottom right, there is a message: 'Activate Windows Go to Settings to activate Windows.'

- Manage Tax

The screenshot shows the 'Manage Tax' page. The sidebar is identical to the previous page. The main area has a form with fields: Tax type (placeholder 'Enter tax type Please') and Percentage (placeholder 'Enter percentage Please'). Below the form is a green 'Add tax type' button. To the right, there is a table titled 'Tax data-table' showing tax types and their percentages:

Tax_type	Tax_percent	Edit
GST	18	Edit
RoomTax	5	Edit

At the bottom right, there is a message: 'Activate Windows Go to Settings to activate Windows.'

Hospitality Management System | 2017

- Housekeeping

The screenshot shows the 'Add Housekeeping' page. On the left, a sidebar menu includes 'Dashboard', 'Add Employee', 'Employee Table', 'Reports', 'Add Room related', 'Add Tax', 'Add Housekeeping' (which is selected), 'SetReminder', 'Reviews', and a 'Today's Sales' section showing 77% completion. The main content area has two sections: 'Add Housekeeping' on the left with fields for 'Task Name' (containing 'Task name') and 'Housekeeping Frequency' (containing 'Frequency'), both with validation errors ('Enter task name Please' and 'Enter frequency Please'); and a 'HouseKeeping data-table' on the right showing three entries: Cleaning, Laundry, and Towel, each with a frequency of 1. A message at the bottom right says 'Activate Windows Go to Settings to activate Windows.'

- Manage Booking

The screenshot shows the 'Booking Form' page. The sidebar menu includes 'Booking', 'Reservation', 'Checkin', 'Reports' (with 6 notifications), 'SetReminder', and 'Room tree'. The main form has sections for 'Personal-info' (with fields for First Name, Last Name, Contact, Address, and Email, all with validation errors like 'Enter Name Please', 'Mobile Number Can't be empty', and 'Invalid Email') and 'Room Detail' (with fields for Number of child, Number of adults, Number of rooms, Select room type, Room Rent, and No of rooms for this type, all with validation errors like 'Digits Only' and 'NaN'). A 'Charges' section at the bottom has a field for Total Room Rent for a Day with a value of 'NaN'. The status bar at the bottom shows the date as 12-21-2017 and the time as 10:40 PM.

Hospitality Management System | 2017

- Manage Reservation

The screenshot shows the 'Reservation form' page within the Hospitality Management System. The left sidebar includes links for Dashboard, Booking, Reservation, Checkin, Reports (with a red notification badge), SetReminder, and Room tree. The main form has sections for Personal info, Room Detail, and Charges. The Personal info section contains fields for First Name, Last Name, Contact, Address, and Email, each with validation messages like 'Enter Name Please' and 'Mobile Number Can't be empty'. The Room Detail section includes fields for Room type, Number of rooms, and dropdowns for Select Wing, Select Floor, and Select Rooms. The Charges section includes fields for Total Rent, Tax, After Tax, and Prepaid.

- Manage Check-in

The screenshot shows the 'Checkin' form page. It features a sidebar with links for Dates, Upload Document, and a large blacked-out area. The main form includes sections for Dates, Charges, and Payment. The Dates section has fields for Check-in Date (set to 12/21/2017) and Check-out Date, with a calendar overlay showing December 2017. The Charges section lists various amounts and fields for Discount%, After Discount Charges, Balance, and Prepaid. The Payment section includes fields for PaymentType (set to Cash) and Cheque/CardNo, with validation messages like 'Digits Only'.

FUTURE ENHANCEMENTS

- Integration with trivago and agoda
- Online payment

REFERENCE

- www.c-sharpcorner.com
- www.dotnetawesome.com
- www.w3schools.com
- www.Youtube.com
- www.stackoverflow.com