

**A Project Report
On
ONLINE HOTEL BOOKING**

Submitted by

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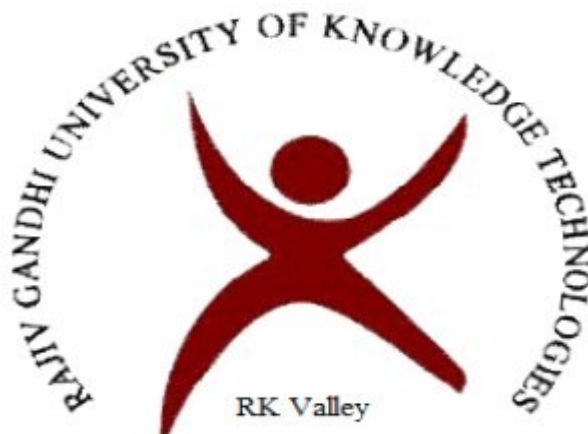
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Date: 22-09-2022



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CERTIFICATE

This is to certify the report entitled “**ONLINE HOTEL BOOKING**” submitted by the members of Group-3 in partial fulfillment of the requirement for the award of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out here under my supervision and guidance.

The report hasn't been submitted previously in part or in full to this or any other university or institution for the award of any degree.

Project Guide
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Head of theDEPT
P.HARINADH

Acknowledgment

We would like to express our's sincere gratitude to **N.CHANDRA SEKHAR**,our project internal guide for valuable suggestions and interest in the progress.

We are very grateful to **P.HARINADH, HOD Of CSE**, for providing excellent computing facilities and a congenial atmosphere for progressing with our's project.

At the outset, We would like to thank **Rajiv Gandhi University of Knowledge Technologies and Highradius Technologies**, for providing all the necessary resources for the successful completion of our's course work.

Thanking you all.

With SincereRegards,

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Abstract

The “ONLINE HOTEL BOOKING” is a project implemented for Hotel, which is an imaginary hotel. It provides people all over the world with an easy and fast way to book hotel room in online.

The interface of the “ONLINE HOTEL BOOKING” system is web pages that can be accessed with a website browser. The system is implemented in PHP and HTML. Users can perform room booking activities at Hotel anytime and anywhere by accessing it via Internet.

The ONLINE HOTEL BOOKING system is an easy-to-use application. Everyone who knows how to use a web browser can easily carry out booking, change the booking details, cancel the booking, change the personal profile, view the booking history, or view the hotel information by following its simple and clear GUI Design

INTRODUCTION:

1.1 Purpose

This web application provides “OnlineHotel Booking” is an tourist which provides the facilities for booking hotels,Travels, Holiday apartments and other accommodations for customers. It will ahelp then to manage the customers booking easily and also keep the customers data more safe.

1.2 Scope

The scope of this project is of Travelors can book rooms on a computer by using online security to protect their financial and privacy information and by using several online travel agents to compare prices and facilities at different hotels.

1.3 Problem Defination:

A hotel booking is having manual booking system,they are facing some problems issuing booking requests of customers.All the necessary booking stuffs are being done in hardcopy.so,it become much difficult to staffs to keep the rrecord updated all the time.As for the example,if the customers need to change in date it become difficult for them to find out the customers booking details for updatinig as there are so many customers booking the records.Again regardinig current system customers cannot give feedback online and also staff cannot reply to them promptly.Besides tourist and from other needs to call directly for the booking purpose.So they can't get the chance to view their appartments rooms or hotel rooms before they make book.

1.4 Product perspective:

It is a online booking application which is based on the web application. It usually interacts with user and admin. Mainly it is an application in which they book on online for requirements need where working employees and travellers to get easy booking without wasting their time.

In admin phase contains different categories like Room category, bookings and add manager. In booking category it displays information about booked rooms.

1.5 Aim's& Objectives:

The project “Online Hotel Booking” is aim to develop to maintain the day-to-day state of admission/vacation etc.,

The main objectives of the hotel :

1. Keeping the best hotel facilities.
2. Keep the user connected by the hotel to receive the confirmation.
3. Scheduling the allotment of user with room to make it convenient for user.
4. Keeping records of user registrations details accurately arranged order so that the treatment of customers becomes quick and satisfactory.

Benefits:

- ◆ The booking system increases customers satisfaction.
- ◆ An online booking system works all the time. This gives freedom to potential visitors to book a room at any time they want. It also maximises your sales because you are not limited to our working hours.
- ◆ The system will not allow double booking which makes the reservation process more efficient.

Disadvantages:

- ◆ you must need internet accesses to book rooms in hotel and to check your reservation they are made online.

Requirements Specification

Hardware Configuration:

Client Side:

RAM	512 GB
Hard disk	10 GB
Processor	1.0 GHz

Server Side:

RAM	1 GB
Hard disk	20 GB
Proccesor	2.0 GHz

Software Requirements:

Front end	HTML,CSS,Java script
Back end	PHP,MYSQL
Web Browser	Firefox,Google Chrome or any Compatible browser
Operating System	WINDOWS
Software	XAMPP

MODULE: DIAGRAMS

Class Diagram for Hotel booking:

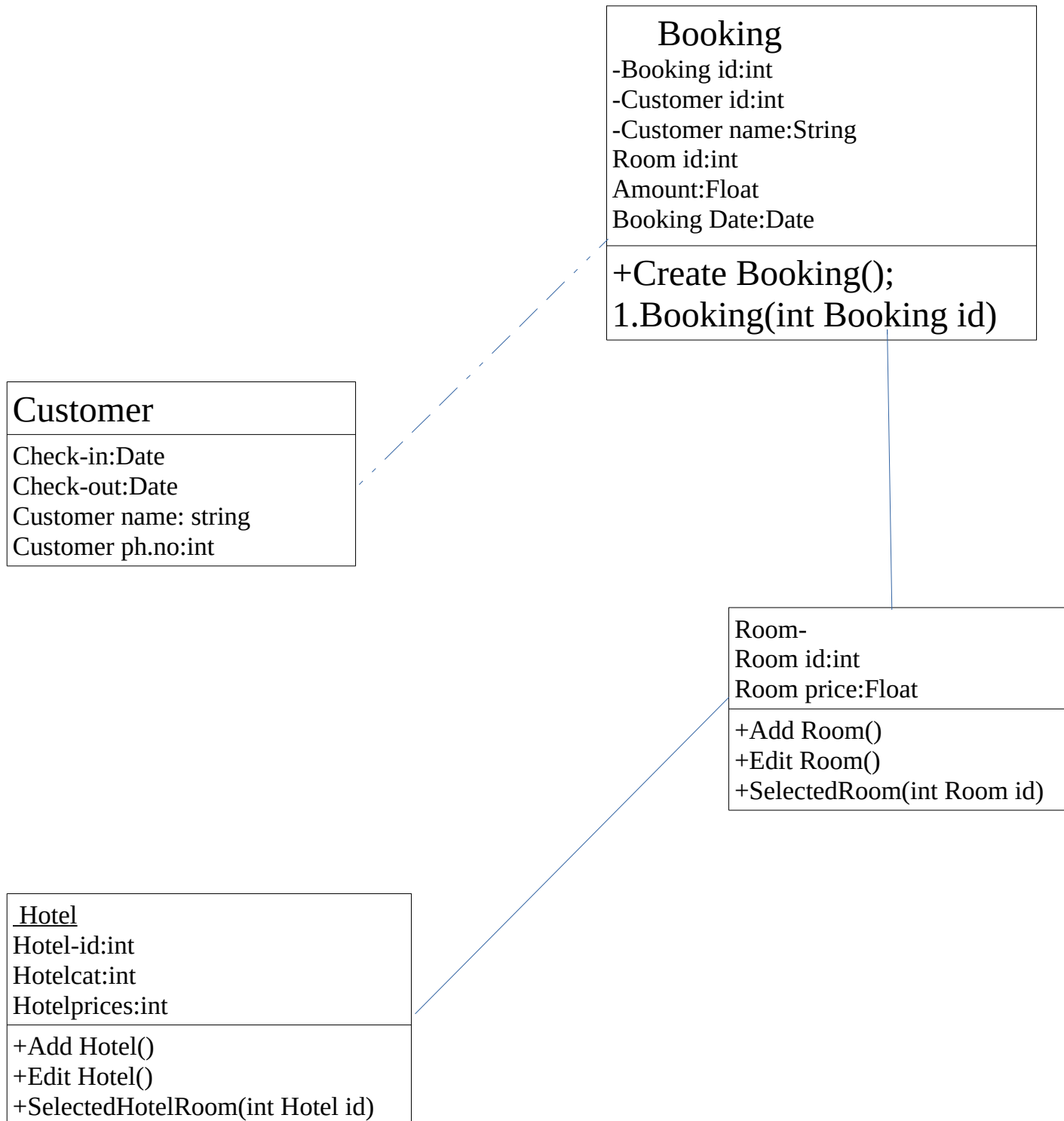
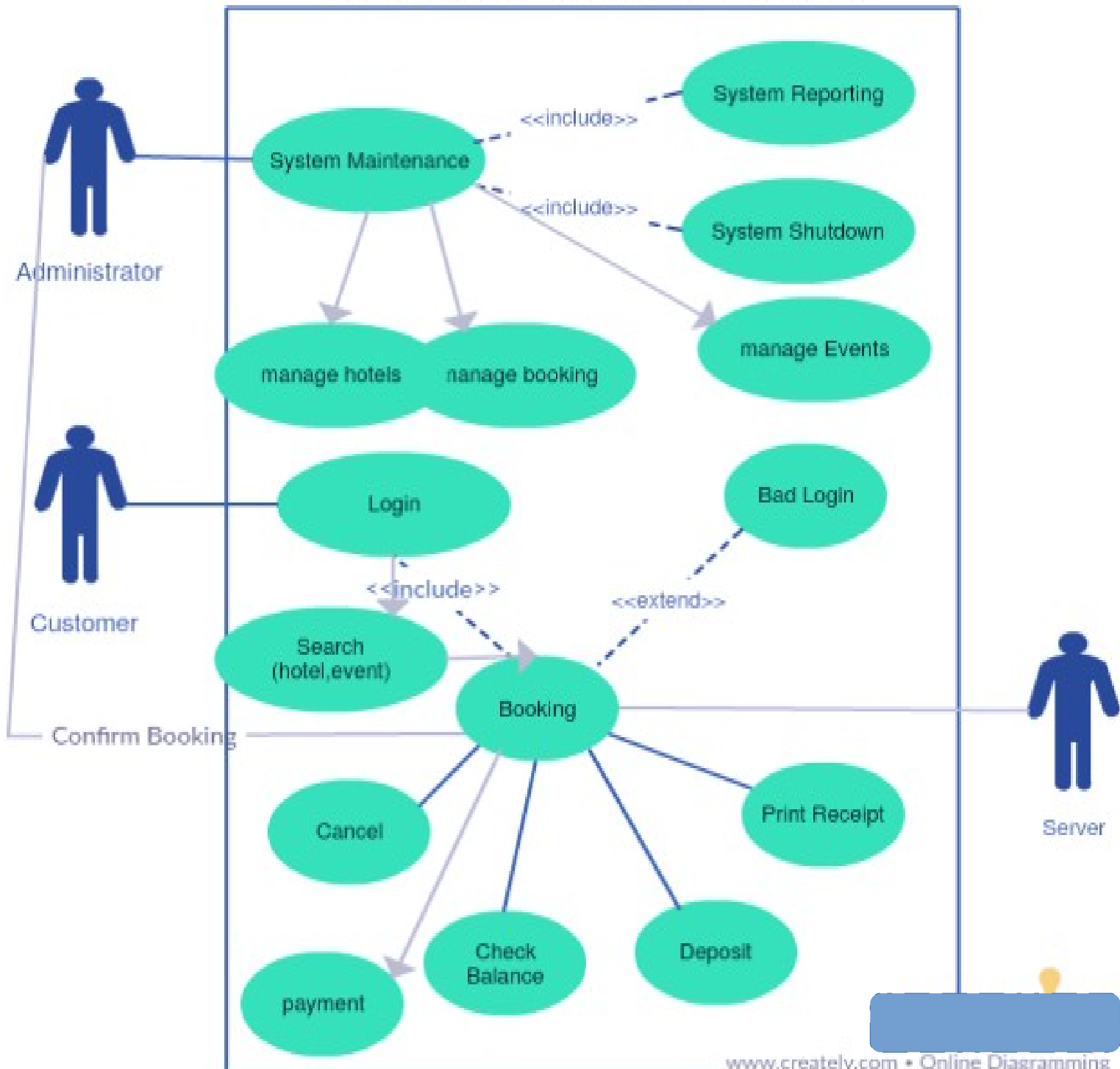


FIGURE 1: USE CASE DIAGRAM

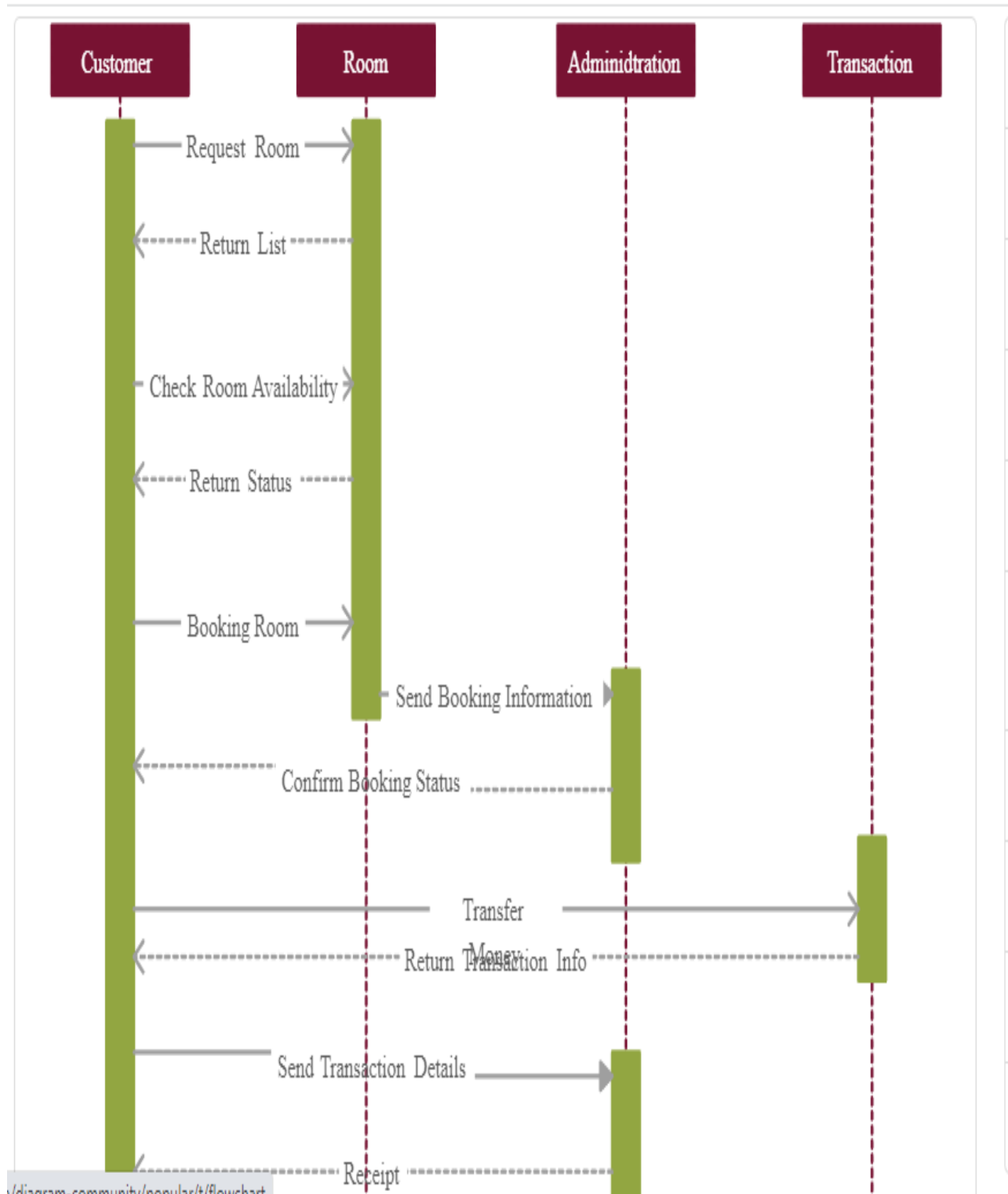
Booking Hotel & Events Management System



ER -DIAGRAMS OF ONLINE HOTEL BOOKING



SEQUENCE DIAGRAM OF ONLINE HOTEL BOOKING:



MODULE: TECHNOLOGIES COVERED

Front-end

1. HTML



Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

2. CSS



Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

3.Boot strap



Bootstrap is a potent front-end framework used to create modern websites and web apps. It's open-source and free to use, yet features numerous HTML and CSS templates for UI interface elements such as buttons and forms. Bootstrap also supports JavaScript extensions.

Back-End

1.PHP



PHP is a server side scripting language that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Preprocessor, that earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed. The client computers accessing the PHP scripts require a web browser only. A PHP file contains PHP tags and ends with the extension ".php". PHP was originally created by Rasmus Lerdorf in 1994. PHP code may be executed with a command line interface (CLI), embedded into HTML code,

or used in combination with various web template systems, web content management systems, and web frameworks.

2.MYSQL



MySQL is an open-source relational database management system (RDBMS) based on Structured Query Language (SQL). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

3.JAVA SCRIPT



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TESTING

Tests help the developer to verify that the logic of a piece of the program is correct. Having test coverage of your code.

1 Unit Testing:

A unit test is a piece of code written by a developer that executes a specific functionality in the code to be tested and asserts a certain behavior or state. The percentage of code that is tested by unit tests is typically called test coverage. A unit test targets a small unit of code, e.g., a method or a class.

2. Integration Testing:

Integration testing is an approach where modules are developed, and testing of modules always starts at the finest level of the programming hierarchy and continues towards the lower levels. It's the extension of unit testing. Integration testing takes a smaller unit of unit testing and tests their behavior as a whole.

Advantages:

1. Majorly helps to build real-time use cases during the end to end testing.
2. Easy to integrate.

3 System Testing:

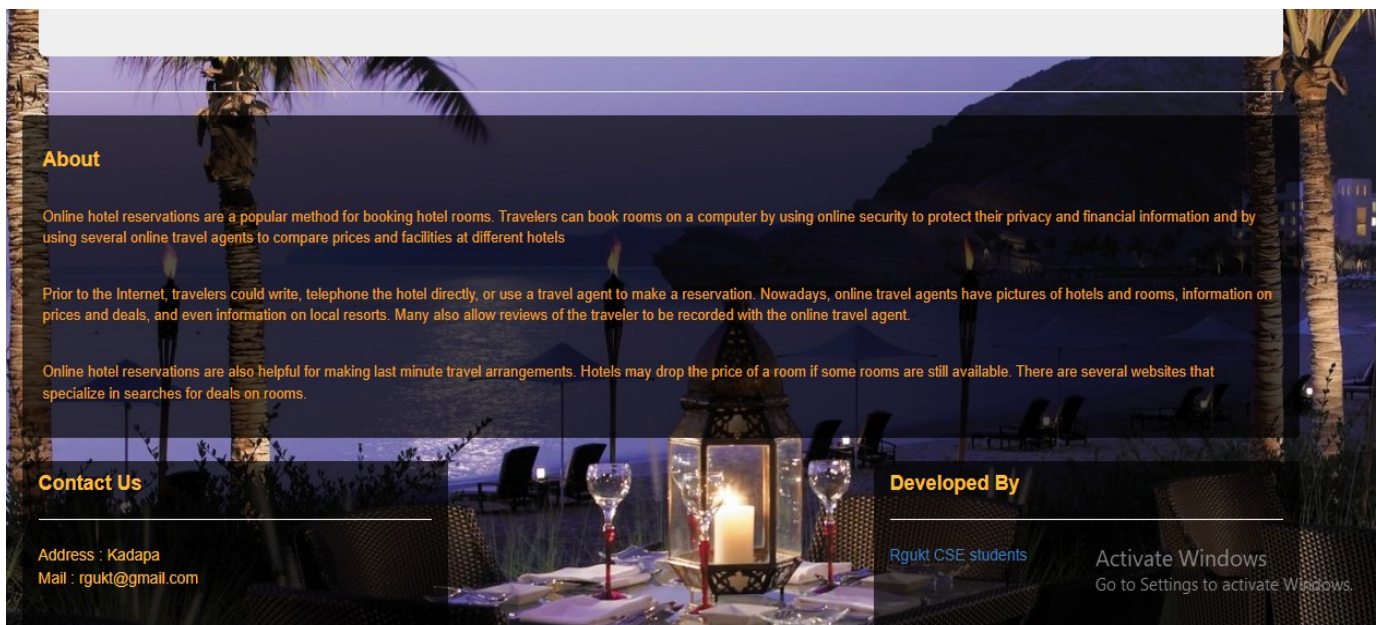
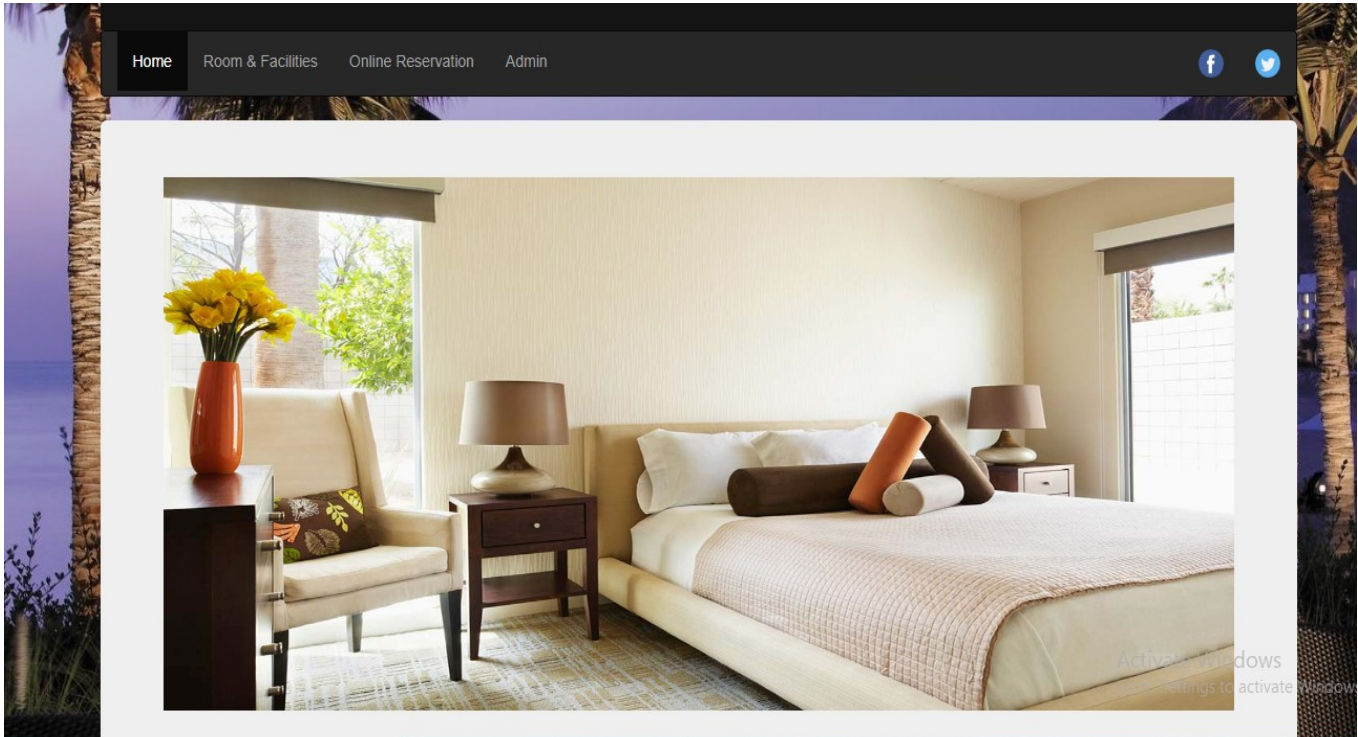
System testing of software or hardware is testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements. System testing falls within the scope of black-box testing, and as such, should require no knowledge of the inner design of the code or logic. As a rule, system testing takes, as its input, all of the "integrated" software components that have passed integration testing and also the software system itself integrated with any applicable hardware system(s). The purpose of integration testing is to detect any inconsistencies between the software units that are integrated together (called assemblages) or between any of the assemblages and the hardware. System testing is a more limited type of testing; it seeks to detect defects both within the "inter-assemblages" and also within the system as a whole.

Features:

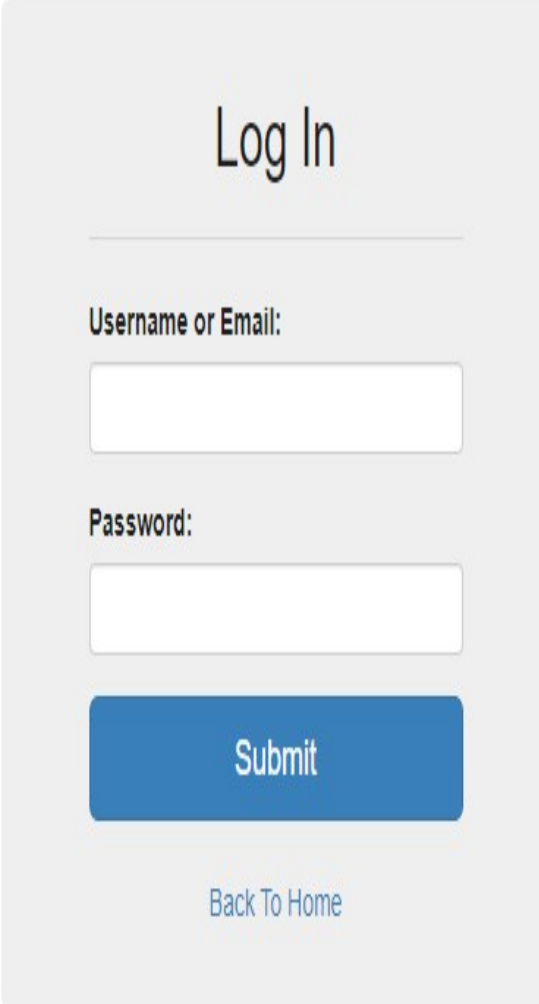
- When a user want to enter into our site without entering data , it means editing the html code removing required option in the html code. For not to enter in that way we had designed a backend PHP code.
- We use MySQL injection Technique for password encryption.

EVALUATION

HOME PAGE:



Admin login page

A light gray rectangular box containing a login form. At the top, the text "Log In" is centered in a large, black, sans-serif font. Below it is a horizontal line. The form consists of two labels, "Username or Email:" and "Password:", each followed by a white rectangular input field with a thin gray border. Below the input fields is a blue rectangular button with rounded corners and the word "Submit" in white. At the bottom of the box, the text "Back To Home" is centered in a smaller, blue, sans-serif font.

Log In

Username or Email:

Password:

Submit

[Back To Home](#)

User Booking



Book Now: Family

Check In :

Check Out:

Enter Your Full Name:

Jhon Wicky

Enter Your Phone Number:

018XXXXXXX

Book Now

[Back to Home](#)

Activate
Go to Setting

User Reservation

Check In :

Check Out:

Check Availability

Admin Adding Rooms

Add Room Category

Room Type Name:

Duplex

No of Rooms: 6 ▼

No of Bed: 2 ▼

Bed Type: single ▼

Facility

AC, TV, Wifi

Price Per Night:

1500

Update

[Back to Admin Panel](#)

Registered Users in Admin Page

Hotel Booking

localhost/hotel/booknow.php?roomname=Duplex

hotel Booking

Book Now: Duplex

Check In : 2022-09-22

Check Out: 2022-09-23

Enter Your Full Name:

asha

Enter Your Phone Number:

1332435667

Back to Home

Book Now

Booking Confirmation

localhost/hotel/booknow.php?roomname=Family

localhost says
Your Room has been booked!!

OK

localhost/hotel/show_all_room.php

hotel  Booking

[Home](#) [Room & Facilities](#) [Online Reservation](#) [Review](#) [Admin](#)

Family

Checkin: 2022-09-22 and checkout: 2022-09-23
Name: asha
Phone: 1332435667
Booking Condition: true

Conclusion:

- While developing this project, we have learnt about ONLINE HOTEL BOOKING SYSTEM .
- The online hotel booking system was developed to replace the manual process of booking for a hotel room or any other facility of the hotel.
- The old system does not serve the customer in a better way rather it makes customer data vulnerable.
- The new system keeps proper record of the customers for emergency and security purpose.
- We have learnt how to make a system user friendly.
- We also realized the importance of maintaining a minimal margin for error.
- During the development process we studied carefully and understood the criteria of implementation process.

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