

**UNIVERSITY INSTITUTE OF TECHNOLOGY BARKATULLAH
UNIVERSITY, BHOPAL**

Department of Computer Science & Engineering

“ HOTEL MANAGEMENT SYSTEM “

**A
MINOR PROJECT REPORT
ON**



Year 2021/22

**Submitted for the Partial fulfilment of the Requirement for the
Award of Degree of
Bachelor of Engineering (B.E)
in**

**Computer Science & Engineering
University Institute of Technology
Barkatullah University, Bhopal**

“GROUP FILE”

Submitted By

Pooja Marava

Nidhi Maravi

Amit Malakar

Ankit Meena

Under the Guidance

Of

**Ms. S. Almelu
CSE Department
UIT-BU, Bhopal**

**Madhav Chaturvedi
CSE Department
UIT-BU, Bhopal**

**Dr. Divakar Singh
Head of Department
UIT-BU, Bhopal**

UNIVERSITY INSTITUTE OF TECHNOLOGY BARKATULLAH UNIVERSITY, BHOPAL

Department of Computer Science & Engineering



CERTIFICATE

Year 2021/22

Certified that this is a bonafide record of the project work titled
HOTEL MANAGEMENT SYSTEM

This is to certify that **“GROUP FILE”** have successfully completed this project work titled **“(HOTEL MANAGEMENT SYSTEM)”** in partial fulfilment of the award of degree of Bachelor of engineering in Computer Science & engineering in the year 2021 from Barkatullah

University Institute of Technology, Bhopal under the guidance of

Ms. S. Almelu
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UNIVERSITY INSTITUTE OF TECHNOLOGY BARKATULLAH UNIVERSITY, BHOPAL

Department of Computer Science & Engineering



DECLARATION

Year 2021/22

This project report entitled “**(HOTEL MANAGEMENT SYSTEM)**” submitted in partial fulfilment of award of Bachelors of Engineering Degree in Computer Science & Engineering from University Institute of Technology, BU, Bhopal during the year 2021 is an authentic record of our project work.

This is our original work and has not been submitted earlier for the award of any other degree, diploma or any other certificate.

ACKNOWLEDGEMENT

Success is the manifestation of diligence, perseverance inspired motivation and innovation. The successful completion of my project solely attributed to constant help guidance and encouragement received by the people around us. Before we get into the thick of things, we would like to add a few heartfelt words for the teachers who are part of this project in a numerous way. Teachers who gave us support right from the project idea were convinced.

First of all, we would like to thanks **Ms. S. Almelu (PROJECT GUIDE)** for allowing us to undergo this major project idea. We would also like to pay our sincere regards to our **Mr. Madhav Chaturvedi, HOD, CSE** for providing effective platform and support in the development of this project. And finally, we would like to render our thanks to **Prof. N. K. Gaur Bhopal** for his guidance in this major project titled “HOTEL MANAGEMENT SYSTEM” (RESORT). Last but not the least we would like to thank our parents and friends for their support and cooperation. Regardless of the source we wish to express our gratitude to those who may have contributed to this work, even though anonymously.

.....

ABSTRACT

In our project, on “Hotel Management System”, we have tried to show how the Data/information in hotels is managed. This is just an overview of management in hotels. This has been achieved by dividing the project into various modules. Customer is provided with different services like checking in, checking out, and editing entries or can be advance payments etc. If the customer wants he/she can cancel his/her booking. Enquiry about any customer or employee can be made either by customer Id or customer name. Enquiry about rooms available can also be made. Our project also includes the module for employee information. It will generate reports for customer, employees (working in the hotel) and Bill for customer is generated when the customer will check out from the hotel. We have included only few modules, as our purpose is to only have the idea or to study about how the management is done in hotels. By adding many more modules this type of project can have scope in various hotels.

After going thought the existing system, problem was identified and the scope of development was finalized.

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Introduction

Hotel Management System is a hotel reservation site script where site users will be able to search rooms availability with an online booking reservations system. Site users can also browse hotels, view room inventory, check availability, and book reservations in real-time. Site users enter check in date and check out date then search for availability and rates. After choosing the right room in the wanted hotel – all booking and reservation process is done on the site and an SMS is sent to confirm the booking.

Administrator Panel

Account Manager

- Administrator – Administrator can manage administrator accounts and conform the rooms.
- Room Types – Administrator can define the type of rooms in the hotels, room's prices and upload an image for each room.
- Bookings – All booking and reservations made on the site are displayed with all booking details: arrival date, departure date, hotel name, room type, number of passengers, price.

AIM:-

The mission is to facilitate easy management and administration of a hotel with capabilities to do Booking or reservations of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant Billing, Total Billing, Travels arrangement etc. using the automated hotel management software. One can keep detailed records or info on an unlimited amount of customers. The system lets the user know which all rooms are available for occupancy at any point of time. This makes the Booking considerably faster. And thus helps the hotel in better management and reduce a lot of paper work as well as manpower.

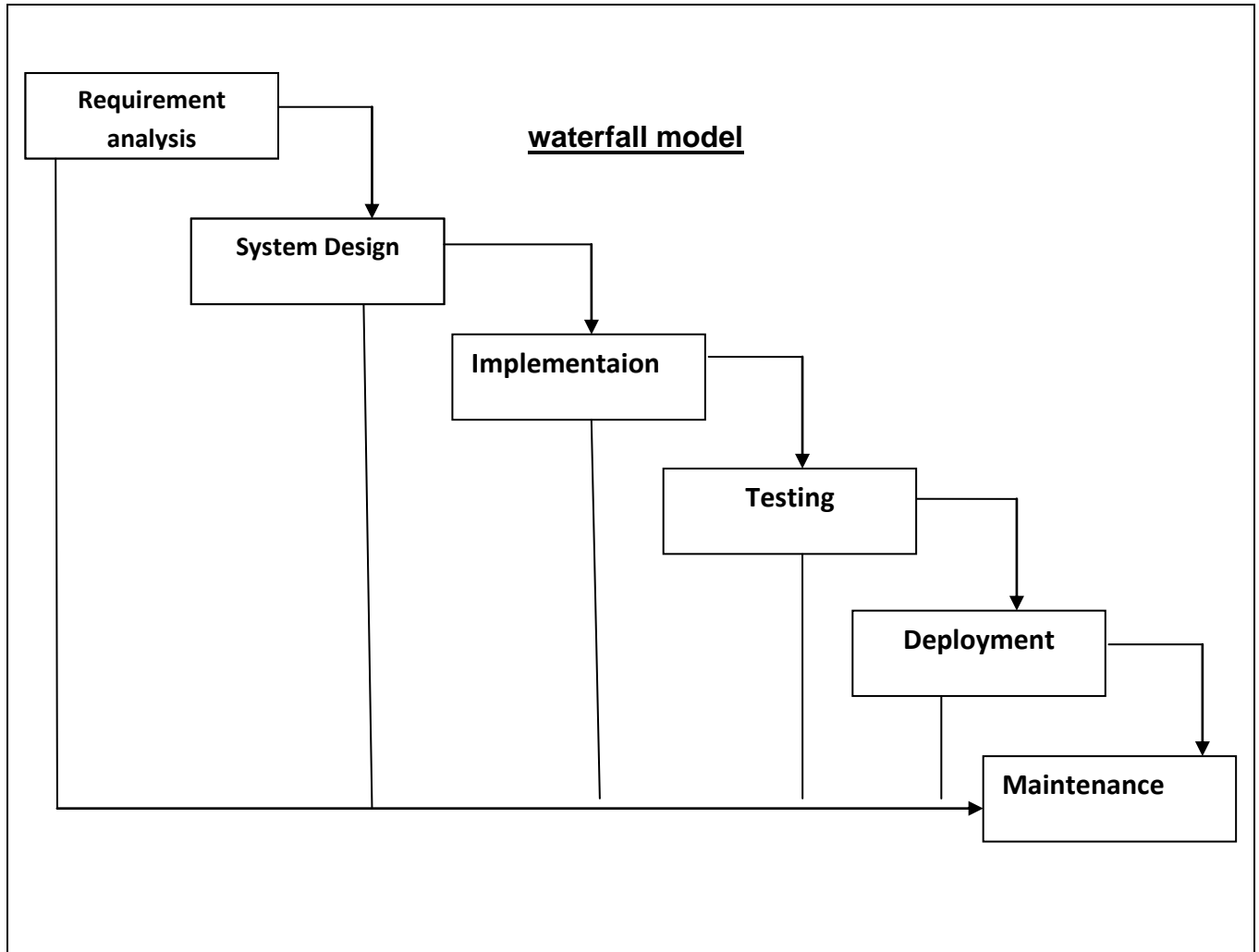
Objective

The Main Objective of hotel organizations could be improved by integrating service-oriented operations service-oriented operations with project management principles. Such integration would instill innovation, proactive attitudes and regulated risk-taking needed to pursue ongoing improvement and proactive response to change. By managing each change as a project, embedded in smoothly running operations, hotels would extend their life span by continuously reinventing themselves. Due to which the customers can easily book the hotels rooms.

Needs of Hotel Management System

This system will help administration to work easily. Because of its easy access and less time consuming administration can get the information of the Users, Rooms, Payments, etc. They do not have to search in the paper file for the log time. Members can easily handle the system.

Methodology Development Model



The sequential phases in Waterfall model are –

Requirement Gathering and analysis – All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.

- ❖ **System Design** – The requirement specifications from first phase are studied in this phase and the system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.
- ❖ **Implementation** – With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.
- ❖ **Integration and Testing** – All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
- ❖ **Deployment of system** – Once the functional and non-functional testing is done; the product is deployed in the customer environment or released into the market.
- ❖ **Maintenance** – There are some issues which come up in the client environment. To fix those issues, patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

Tools and Technique

Front end languages

HTML

JavaScript

CSS

JQuery

Backend languages

Java

PHP

Python

SQL

External Interfaces

- This interface will be actual interface through which the user will communication with the application and perform the desired tasks.

Admin login

I.D:

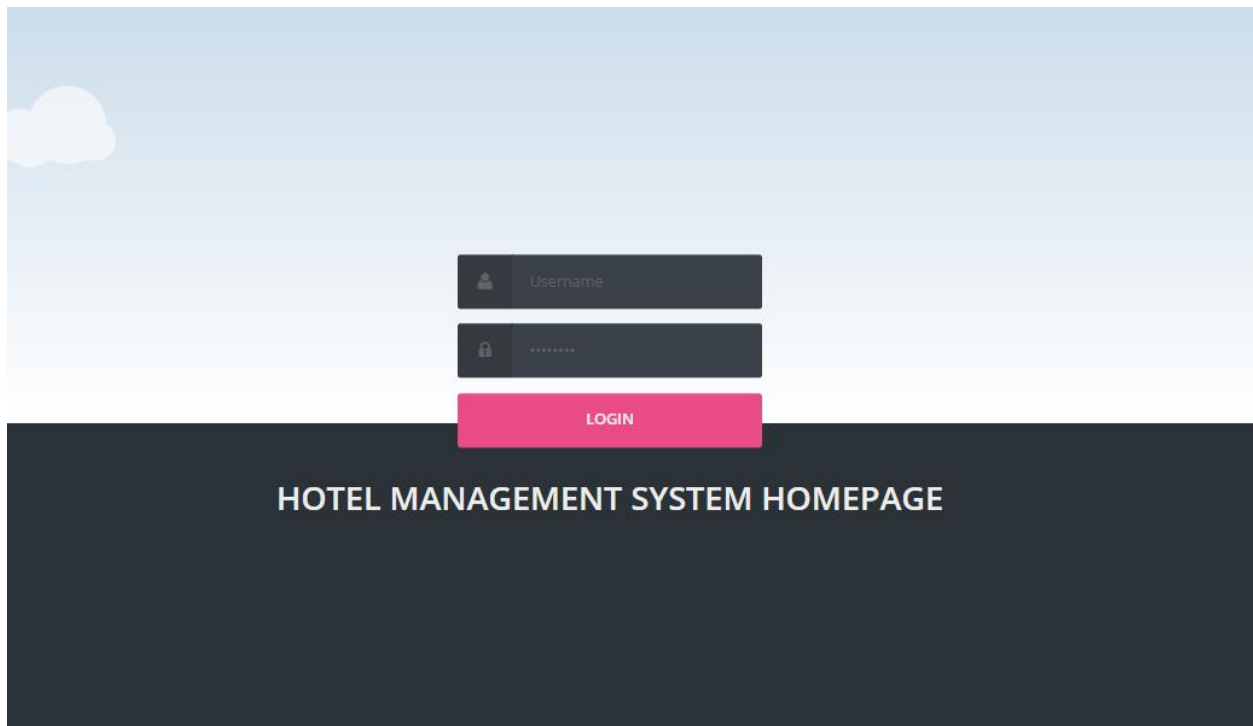
Role: Admin wishes to login to the system

Precondition: Username and Password

Success end Condition: Main option of screen display

Failed end Condition: User has entered incorrect Username and Password or both

Front End Forms/screens



Conform

ID:

Precondition: Admin has successfully navigated to the search result

Success end Condition: Admin has successfully made the changes

Type Of the Room	Guest House
No Of the Room	1
Meal Plan	Breakfast
Bedding	Double
Check-in Date	2020-06-12
Check-out Date	2020-06-26
No of days	14
Status Level	Not Conform

Select the Conformation

Conform



ROOM RESERVATION

EXPERIENCE A GOOD STAY, ENJOY FANTASTIC OFFERS

FIND OUR FRIENDLY WELCOMING RECEPTION



MASTER
BEDROOMS



SEA VIEW
BALCONY



LARGE CAFE



WIFI
COVERAGE



About Our HOTEL MANAGEMENT SYSTEM

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Sed tempus vestibulum lacus blandit faucibus. Nunc imperdiet, diam nec rhoncus ullamcorper, nisi nulla suscipit ligula, at imperdiet urna



Our Services



Stay First, Pay After!

Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates.

- ✓ Decorated room, proper air conditioned
- ✓ Private balcony



24 Hour Restaurant

Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates.

- ✓ 24 hours room service
- ✓ 24-hour Concierge service

Meet Our Team



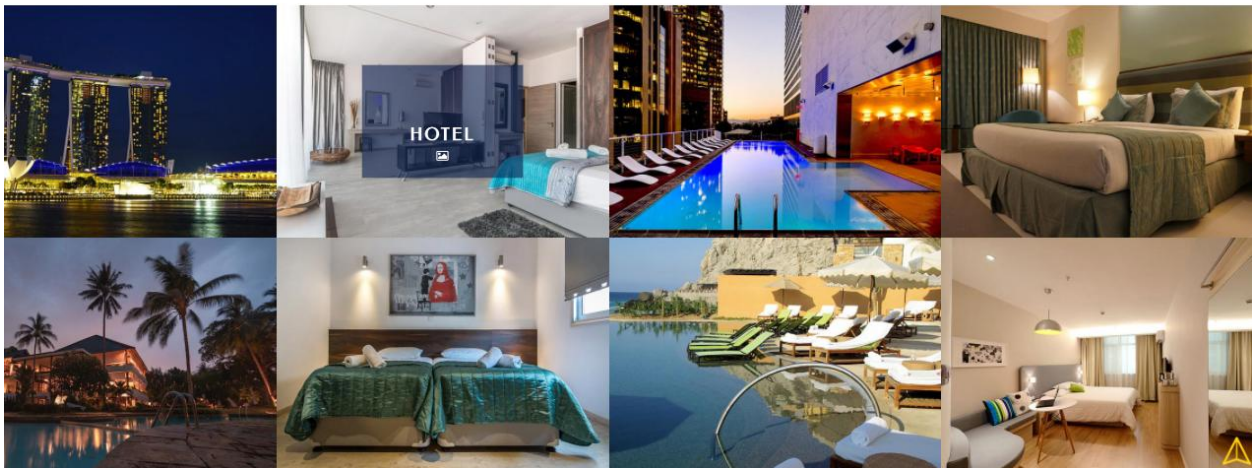
Sarah Connor

RECEPTIONIST

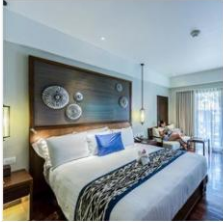



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis. Lorem ipsum dolor .



Our Gallery



Rooms And Rates

 Deluxe Room \$ 320 Book Now	 Luxury Room \$ 220 Book Now	 Guest House \$ 180 Book Now	 Single Room \$ 150 Book Now
---	---	--	---



RESERVATION

PERSONAL INFORMATION	RESERVATION INFORMATION
Title* <input type="text" value="Dr."/>	Type Of Room * <input type="text" value="SINGLE ROOM"/>
First Name <input type="text" value="admin"/>	Bedding Type <input type="text" value="Single"/>
Last Name <input type="text" value="admin"/>	No.of Rooms * <input type="text" value="1"/>
Email <input type="text" value="admin@gamil.com"/>	Meal Plan <input type="text" value="Full Board"/>
Nationality* <input type="radio"/> Sri Lankan <input checked="" type="radio"/> Non Sri Lankan	Check-In <input type="text" value="02/24/2016"/>
Passport Country* <input type="text" value="India"/>	Check-Out <input type="text" value="02/10/2016"/>
Phone Number <input type="text" value="9098431614"/>	

Visitores

What Other Visitors Experienced



★★★★★ WORTH TO COME
AGAIN

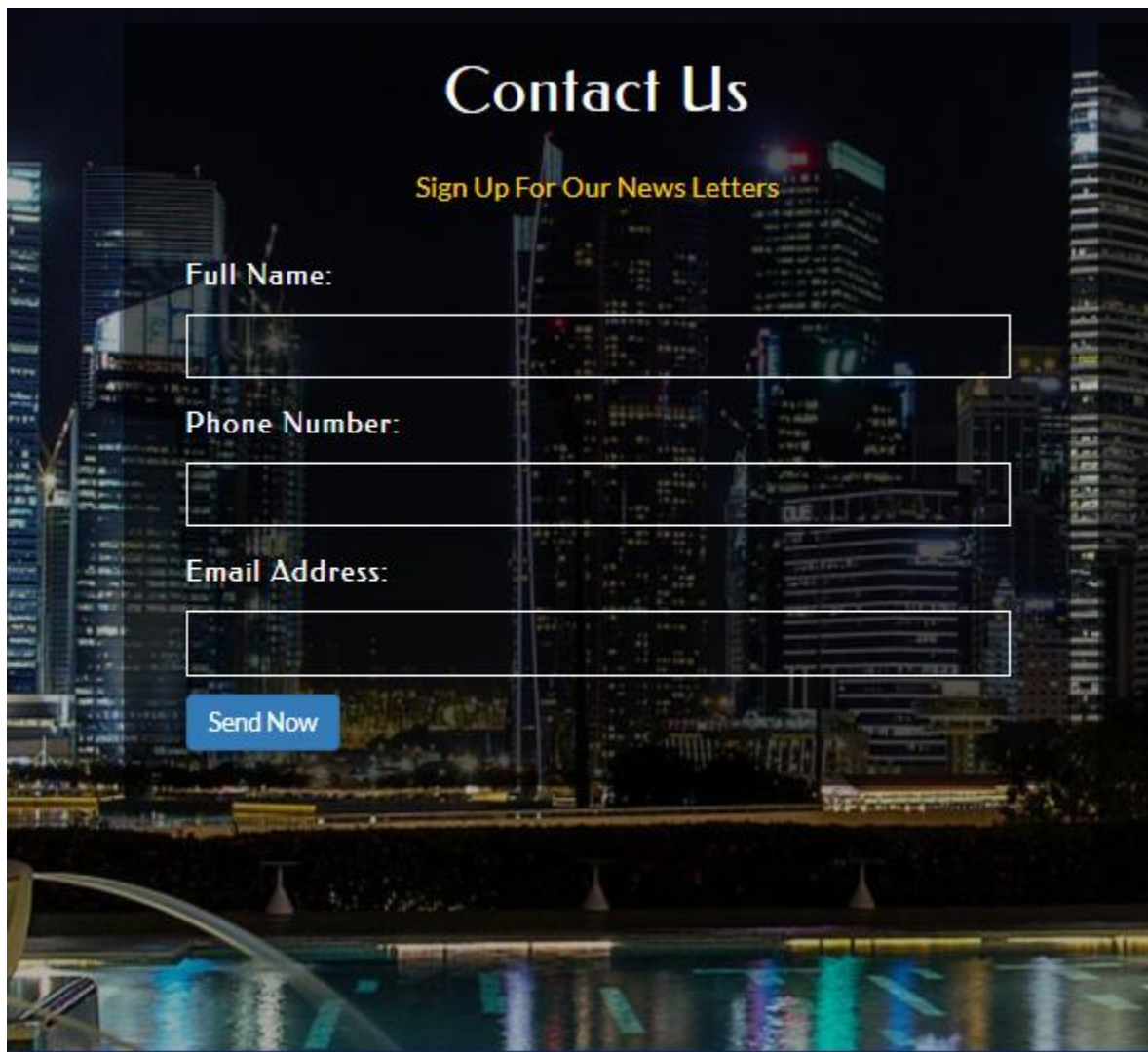
Sed tempus vestibulum lacus blandit faucibus.
Nunc imperdiet, diam nec rhoncus
ullamcorper, nisl nulla suscipit ligula, at
imperdiet urna.

Julia Rose
Germany

1
2
3
4



Contact us

A contact form is overlaid on a background image of a city skyline at night, with lights reflecting on water in the foreground. The form includes a title, a subtitle, and three input fields for user information, followed by a submit button.

Contact Us

Sign Up For Our News Letters

Full Name:

Phone Number:

Email Address:

Send Now

Front & back-End Coding

```
<?php
include('db.php');
?>
<!DOCTYPE html>
<html lang="en">
<head>
<title>HOTEL MANAGEMENT SYSTEM</title>
<!-- for-mobile-apps -->
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="keywords" content="Resort Inn Responsive , Smartphone Compatible
web template , Samsung, LG, Sony Ericsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function()
{ setTimeout(hideURLbar, 0); }, false);
function hideURLbar(){ window.scrollTo(0,1); } </script>
<!-- //for-mobile-apps -->
<link href="css/bootstrap.css" rel="stylesheet" type="text/css" media="all"
/>
<link href="css/font-awesome.css" rel="stylesheet">
<link rel="stylesheet" href="css/chocolat.css" type="text/css"
media="screen">
<link href="css/easy-responsive-tabs.css" rel='stylesheet' type='text/css' />
<link rel="stylesheet" href="css/flexslider.css" type="text/css"
media="screen" property="" />
<link rel="stylesheet" href="css/jquery-ui.css" />
<link href="css/style.css" rel="stylesheet" type="text/css" media="all" />
<script type="text/javascript" src="js/modernizr-2.6.2.min.js"></script>
<!--fonts-->
<link href="//fonts.googleapis.com/css?family=Oswald:300,400,700"
rel="stylesheet">
<link href="//fonts.googleapis.com/css?family=Federo" rel="stylesheet">
<link href="//fonts.googleapis.com/css?family=Lato:300,400,700,900"
rel="stylesheet">
<!--//fonts-->
</head>
<body>
<!-- header -->
<div class="banner-top">
<div class="social-bnr-agileits">
<ul class="social-icons3">
<li><a href="https://www.facebook.com/" class="fa fa-facebook icon-border
facebook"> </a></li>
<li><a href="https://twitter.com/" class="fa fa-twitter icon-border twitter">
</a></li>
<li><a href="https://plus.google.com/u/0/" class="fa fa-google-plus icon-
border googleplus"> </a></li>
</ul>
</div>
<div class="contact-bnr-w3-agile">
<ul>
```

```

<li><i class="fa fa-envelope" aria-hidden="true"></i><a
href="mailto:info@example.com">INFO@HOTELMANAGEMENTSYSTEM.COM</a></li>
<li><i class="fa fa-phone" aria-hidden="true"></i>+94 (65) 222-44-55</li>
<li class="s-bar">
<div class="search">
<input class="search_box" type="checkbox" id="search_box">
<label class="icon-search" for="search_box"><span class="glyphicon glyphicon-
search" aria-hidden="true"></span></label>
<div class="search_form">
<form action="#" method="post">
<input type="search" name="Search" placeholder=" " required=" " />
<input type="submit" value="Search">
</form>
</div>
</div>
</li>
</ul>
</div>
<div class="clearfix"></div>
</div>
<div class="w3_navigation">
<div class="container">
<nav class="navbar navbar-default">
<div class="navbar-header navbar-left">
<button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
data-target="#bs-example-navbar-collapse-1">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<h1><a class="navbar-brand" href="index.php">Hotel<span>Management</span><p
class="logo_w3l_agile_caption">Your Dreamy Resort</p></a></h1>
</div>
<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse navbar-right" id="bs-example-navbar-
collapse-1">
<nav class="menu menu--iris">
<ul class="nav navbar-nav menu__list">
<li class="menu__item menu__item--current"><a href=""
class="menu__link">Home</a></li>
<li class="menu__item"><a href="#about" class="menu__link
scroll">About</a></li>
<li class="menu__item"><a href="#team" class="menu__link
scroll">Team</a></li>
<li class="menu__item"><a href="#gallery" class="menu__link
scroll">Gallery</a></li>
<li class="menu__item"><a href="#rooms" class="menu__link
scroll">Rooms</a></li>
<li class="menu__item"><a href="#contact" class="menu__link scroll">Contact
Us</a></li>
</ul>
</nav>
</div>
</nav>
</div>

```

```

</div>
<!-- //header -->
<!-- banner -->
<div id="home" class="w3ls-banner">
<!-- banner-text -->
<div class="slider">
<div class="callbacks_container">
<ul class="rslides callbacks callbacks1" id="slider4">
<li>
<div class="w3layouts-banner-top">

<div class="container">
<div class="agileits-banner-info">
<h4>HOTEL MANAGEMENT SYSTEM </h4>
<h3>We know what you love</h3>
<p>Welcome to our hotels</p>
<div class="agileits_w3layouts_more menu__item">
<a href="#" class="menu__link" data-toggle="modal" data-
target="#myModal">Learn More</a>
</div>
</div>
</div>
</div>
</li>
<li>
<div class="w3layouts-banner-top w3layouts-banner-top1">
<div class="container">
<div class="agileits-banner-info">
<h4>HOTEL MANAGEMENT SYSTEM</h4>
<h3>Stay with friends & families</h3>
<p>Come & enjoy precious moment with us</p>
<div class="agileits_w3layouts_more menu__item">
<a href="#" class="menu__link" data-toggle="modal" data-
target="#myModal">Learn More</a>
</div>
</div>
</div>
</div>
</li>
<li>
<div class="w3layouts-banner-top w3layouts-banner-top2">
<div class="container">
<div class="agileits-banner-info">
<h4>HOTEL MANAGEMENT SYSTEM</h4>
<h3>want luxurious vacation?</h3>
<p>Get accommodation today</p>
<div class="agileits_w3layouts_more menu__item">
<a href="#" class="menu__link" data-toggle="modal" data-
target="#myModal">Learn More</a>
</div>
</div>
</div>
</div>
</li>
</ul>
</div>
<div class="clearfix"> </div>

```

```

<!--banner Slider starts Here-->
</div>
<div class="thim-click-to-bottom">
<a href="#about" class="scroll">
<i class="fa fa-long-arrow-down" aria-hidden="true"></i>
</a>
</div>
</div>
<!-- //banner -->
<!--//Header-->
<!-- //Modall -->
<div class="modal fade" id="myModal" tabindex="-1" role="dialog">
<!-- Modall -->
<div class="modal-dialog">
<!-- Modal content-->
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal">&times;</button>
<h4>HOTEL<span>MANAGEMENT</span></h4>

<h5>We know what you love</h5>
<p>Providing guests unique and enchanting views from their rooms with its
exceptional amenities, makes Star Hotel one of bests in its kind.Try our food
menu, awesome services and friendly staff while you are here.</p>
</div>
</div>
</div>
</div>
</div>
<!-- //Modall -->
<div id="availability-agileits">
<div class="col-md-12 book-form-left-w3layouts">
<a href="admin/reservation.php"><h2>ROOM RESERVATION</h2></a>
</div>

<div class="clearfix"> </div>
</div>
<!-- banner-bottom -->
<div class="banner-bottom">
<div class="container">
<div class="agileits_banner_bottom">
<h3><span>Experience a good stay, enjoy fantastic offers</span> Find our
friendly welcoming reception</h3>
</div>
<div class="w3ls_banner_bottom_grids">
<ul class="cbp-ig-grid">
<li>
<div class="w3_grid_effect">
<span class="cbp-ig-icon w3_road"></span>
<h4 class="cbp-ig-title">MASTER BEDROOMS</h4>
<span class="cbp-ig-category">HOTEL MANAGEMENT SYSTEM</span>
</div>
</li>
<li>
<div class="w3_grid_effect">
<span class="cbp-ig-icon w3_cube"></span>
<h4 class="cbp-ig-title">SEA VIEW BALCONY</h4>
<span class="cbp-ig-category">HOTEL MANAGEMENT SYSTEM</span>

```

```

</div>
</li>
<li>
<div class="w3_grid_effect">
<span class="cbp-ig-icon w3_users"></span>
<h4 class="cbp-ig-title">LARGE CAFE</h4>
<span class="cbp-ig-category">HOTEL MANAGEMENT SYSTEM</span>
</div>
</li>
<li>
<div class="w3_grid_effect">
<span class="cbp-ig-icon w3_ticket"></span>
<h4 class="cbp-ig-title">WIFI COVERAGE</h4>
<span class="cbp-ig-category">HOTEL MANAGEMENT SYSTEM</span>
</div>
</li>
</ul>
</div>
</div>
</div>
<!-- //banner-bottom -->
<!-- /about -->
<div class="about-wthree" id="about">
<div class="container">
<div class="ab-w3l-spa">
<h3 class="title-w3-agileits title-black-wthree">About Our HOTEL MANAGEMENT
SYSTEM</h3>
<p class="about-para-w3ls">Lorem Ipsum is simply dummy text of the printing
and typesetting industry.Sed tempus vestibulum lacus blandit faucibus. Nunc
imperdiet, diam nec rhoncus ullamcorper, nisl nulla suscipit ligula, at
imperdiet urna</p>

<div class="w3l-slider-img">

</div>
<div class="w3ls-info-about">
<h4>You'll love all the amenities we offer!</h4>
<p>Lorem ipsum dolor sit amet, ut magna aliqua. </p>
</div>
</div>
<div class="clearfix"> </div>
</div>
</div>
<!-- //about -->
<!--sevices-->
<div class="advantages">
<div class="container">
<div class="advantages-main">
<h3 class="title-w3-agileits">Our Services</h3>
<div class="advantage-bottom">
<div class="col-md-6 advantage-grid left-w3ls wow bounceInLeft" data-wow-
delay="0.3s">
<div class="advantage-block ">
<i class="fa fa-credit-card" aria-hidden="true"></i>
<h4>Stay First, Pay After! </h4>
<p>Temporibus autem quibusdam et aut officiis debitis aut rerum
necessitatibus saepe eveniet ut et voluptates.</p>

```

```

<p><i class="fa fa-check" aria-hidden="true"></i>Decorated room, proper air
conditioned</p>
<p><i class="fa fa-check" aria-hidden="true"></i>Private balcony</p>

</div>
</div>
<div class="col-md-6 advantage-grid right-w3ls wow zoomIn" data-wow-
delay="0.3s">
<div class="advantage-block">
<i class="fa fa-clock-o" aria-hidden="true"></i>
<h4>24 Hour Restaurant</h4>
<p>Temporibus autem quibusdam et aut officiis debitis aut rerum
necessitatibus saepe eveniet ut et voluptates.</p>
<p><i class="fa fa-check" aria-hidden="true"></i>24 hours room service</p>
<p><i class="fa fa-check" aria-hidden="true"></i>24-hour Concierge
service</p>
</div>
</div>
<div class="clearfix"> </div>
</div>
</div>
</div>
<!--//seivices-->
<!-- team -->
<div class="team" id="team">
<div class="container">
<h3 class="title-w3-agileits title-black-wthree">Meet Our Team</h3>
<div id="horizontalTab">
<ul class="resp-tabs-list">
<li>

</li>
<li>

</li>
<li>

</li>
<li>

</li>
</ul>
<div class="resp-tabs-container">
<div class="tab1">
<div class="col-md-6 team-img-w3-agile">
</div>
<div class="col-md-6 team-Info-agileits">
<h4>Lucas Jimenez</h4>
<span>Manager</span>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis.Lorem ipsum dolor .</p>
<div class="social-bnr-agileits footer-icons-agileinfo">
<ul class="social-icons3">
<li><a href="#" class="fa fa-facebook icon-border facebook"> </a></li>
<li><a href="#" class="fa fa-twitter icon-border twitter"> </a></li>

```

```

<li><a href="#" class="fa fa-google-plus icon-border googleplus"> </a></li>
<li><a href="#" class="fa fa-rss icon-border rss"> </a></li>
</ul>
</div>
</div>
<div class="clearfix"> </div>
</div>
<div class="tab2">
<div class="col-md-6 team-img-w3-agile">
</div>
<div class="col-md-6 team-Info-agileits">
<h4>Sarah Connor</h4>
<span>Receptionist</span>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis.Lorem ipsum dolor .</p>
<div class="social-bnr-agileits footer-icons-agileinfo">
<ul class="social-icons3">
<li><a href="#" class="fa fa-facebook icon-border facebook"> </a></li>
<li><a href="#" class="fa fa-twitter icon-border twitter"> </a></li>
<li><a href="#" class="fa fa-google-plus icon-border googleplus"> </a></li>
<li><a href="#" class="fa fa-rss icon-border rss"> </a></li>
</ul>
</div>
</div>
<div class="clearfix"> </div>
</div>
<div class="tab3">
<div class="col-md-6 team-img-w3-agile">
</div>
<div class="col-md-6 team-Info-agileits">
<h4>Ivan Simpson</h4>
<span>Manager</span>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis.Lorem ipsum dolor .</p>
<div class="social-bnr-agileits footer-icons-agileinfo">
<ul class="social-icons3">
<li><a href="#" class="fa fa-facebook icon-border facebook"> </a></li>
<li><a href="#" class="fa fa-twitter icon-border twitter"> </a></li>
<li><a href="#" class="fa fa-google-plus icon-border googleplus"> </a></li>
<li><a href="#" class="fa fa-rss icon-border rss"> </a></li>
</ul>
</div>
</div>
<div class="clearfix"> </div>
</div>
<div class="tab4">
<div class="col-md-6 team-img-w3-agile">
</div>
<div class="col-md-6 team-Info-agileits">
<h4>Marc Gutierrez</h4>
<span>Receptionist</span>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod
tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,
quis.Lorem ipsum dolor .</p>
<div class="social-bnr-agileits footer-icons-agileinfo">

```



```

<ul class="social-icons3">
<li><a href="#" class="fa fa-facebook icon-border facebook"> </a></li>
<li><a href="#" class="fa fa-twitter icon-border twitter"> </a></li>
<li><a href="#" class="fa fa-google-plus icon-border googleplus"> </a></li>
<li><a href="#" class="fa fa-rss icon-border rss"> </a></li>
</ul>
</div>
</div>
<div class="clearfix"> </div>
</div>
</div>
</div>
</div>
</div>
<!-- //team -->
<!-- Gallery -->
<section class="portfolio-w3ls" id="gallery">
<h3 class="title-w3-agileits title-black-wthree">Our Gallery</h3>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g1.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL MANAGEMENT SYSTEM</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g2.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g3.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g4.jpg" class="swipebox">
<div class="textbox">
<h4>Hotel</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g5.jpg" class="swipebox">

```

```

<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g6.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g6.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g6.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g9.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g10.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g4.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>

```

```

</div>
</a>
</div>
<div class="col-md-3 gallery-grid gallery1">
<a href="images/g2.jpg" class="swipebox">
<div class="textbox">
<h4>HOTEL</h4>
<p><i class="fa fa-picture-o" aria-hidden="true"></i></p>
</div>
</a>
</div>
<div class="clearfix"> </div>
</section>
<!-- //gallery -->
<!-- rooms & rates -->
<div class="plans-section" id="rooms">
<div class="container">
<h3 class="title-w3-agileits title-black-wthree">Rooms And Rates</h3>
<div class="priceing-table-main">
<div class="col-md-3 price-grid">
<div class="price-block agile">
<div class="price-gd-top">

<h4>Deluxe Room</h4>
</div>
<div class="price-gd-bottom">
<div class="price-list">
<ul>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star-o" aria-hidden="true"></i></li>

</ul>
</div>
<div class="price-selet">
<h3><span>$</span>320</h3>
<a href="admin/reservation.php" >Book Now</a>
</div>
</div>
</div>
</div>
<div class="col-md-3 price-grid ">
<div class="price-block agile">
<div class="price-gd-top">

<h4>Luxury Room</h4>
</div>
<div class="price-gd-bottom">
<div class="price-list">
<ul>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>

```

```

<li><i class="fa fa-star-o" aria-hidden="true"></i></li>
</ul>
</div>
<div class="price-selet">
<h3><span>$</span>220</h3>
<a href="admin/reservation.php" >Book Now</a>
</div>
</div>
</div>
</div>
<div class="col-md-3 price-grid lost">
<div class="price-block agile">
<div class="price-gd-top">

<h4>Guest House</h4>
</div>
<div class="price-gd-bottom">
<div class="price-list">
<ul>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star-o" aria-hidden="true"></i></li>
<li><i class="fa fa-star-o" aria-hidden="true"></i></li>
</ul>
</div>
<div class="price-selet">
<h3><span>$</span>180</h3>
<a href="admin/reservation.php" >Book Now</a>
</div>
</div>
</div>
</div>
<div class="col-md-3 price-grid wthree lost">
<div class="price-block agile">
<div class="price-gd-top ">

<h4>Single Room</h4>
</div>
<div class="price-gd-bottom">
<div class="price-list">
<ul>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star" aria-hidden="true"></i></li>
<li><i class="fa fa-star-o" aria-hidden="true"></i></li>
<li><i class="fa fa-star-o" aria-hidden="true"></i></li>
<li><i class="fa fa-star-o" aria-hidden="true"></i></li>
</ul>
</div>
<div class="price-selet">
<h3><span>$</span> 150</h3>
<a href="admin/reservation.php" >Book Now</a>
</div>
</div>
</div>
</div>
<div class="clearfix"> </div>

```

```

</div>
</div>
</div>
<!--// rooms & rates -->
<!-- visitors -->
<div class="w3l-visitors-agile" >
<div class="container">
<h3 class="title-w3-agileits title-black-wthree">What other visitors
experienced</h3>
</div>
<div class="w3layouts_work_grids">
<section class="slider">
<div class="flexslider">
<ul class="slides">
<li>
<div class="w3layouts_work_grid_left">

<div class="w3layouts_work_grid_left_pos">

</div>
</div>
<div class="w3layouts_work_grid_right">
<h4>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
Worth to come again
</h4>
<p>Sed tempus vestibulum lacus blandit faucibus.
Nunc imperdiet, diam nec rhoncus ullamcorper, nisl nulla suscipit ligula,
at imperdiet urna. </p>
<h5>Julia Rose</h5>
<p>Germany</p>
</div>
<div class="clearfix"> </div>
</li>
<li>
<div class="w3layouts_work_grid_left">

<div class="w3layouts_work_grid_left_pos">

</div>
</div>
<div class="w3layouts_work_grid_right">
<h4>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star-o" aria-hidden="true"></i>
Worth to come again
</h4>
<p>Sed tempus vestibulum lacus blandit faucibus.
Nunc imperdiet, diam nec rhoncus ullamcorper, nisl nulla suscipit ligula,
at imperdiet urna. </p>

```

```

<h5>Jahnatan Smith</h5>
<p>United States</p>
</div>
<div class="clearfix"> </div>
</li>
<li>
<div class="w3layouts_work_grid_left">

<div class="w3layouts_work_grid_left_pos">

</div>
</div>
<div class="w3layouts_work_grid_right">
<h4>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star-o" aria-hidden="true"></i>
Worth to come again
</h4>
<p>Sed tempus vestibulum lacus blandit faucibus.
Nunc imperdiet, diam nec rhoncus ullamcorper, nisl nulla suscipit ligula,
at imperdiet urna. </p>
<h5>Rosalind Cloer</h5>
<p>Italy</p>
</div>
<div class="clearfix"> </div>
</li>
<li>
<div class="w3layouts_work_grid_left">

<div class="w3layouts_work_grid_left_pos">

</div>
</div>
<div class="w3layouts_work_grid_right">
<h4>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star" aria-hidden="true"></i>
<i class="fa fa-star-o" aria-hidden="true"></i>
<i class="fa fa-star-o" aria-hidden="true"></i>
Worth to come again
</h4>
<p>Sed tempus vestibulum lacus blandit faucibus.
Nunc imperdiet, diam nec rhoncus ullamcorper, nisl nulla suscipit ligula,
at imperdiet urna. </p>
<h5>Amie Bublitiz</h5>
<p>Switzerland</p>
</div>
<div class="clearfix"> </div>
</li>
</ul>
</div>
</section>
</div>

```

```

</div>
<!-- visitors -->
<!-- contact -->
<section class="contact-w3ls" id="contact">
<div class="container">
<div class="col-lg-6 col-md-6 col-sm-6 contact-w3-agile2" data-aos="flip-
left">
<div class="contact-agileits">
<h4>Contact Us</h4>
<p class="contact-agile2">Sign Up For Our News Letters</p>
<form method="post" name="sendMessage" id="contactForm" >
<div class="control-group form-group">

<label class="contact-p1">Full Name:</label>
<input type="text" class="form-control" name="name" id="name" required >
<p class="help-block"></p>

</div>
<div class="control-group form-group">

<label class="contact-p1">Phone Number:</label>
<input type="tel" class="form-control" name="phone" id="phone" required >
<p class="help-block"></p>

</div>
<div class="control-group form-group">

<label class="contact-p1">Email Address:</label>
<input type="email" class="form-control" name="email" id="email" required >
<p class="help-block"></p>

</div>

<input type="submit" name="sub" value="Send Now" class="btn btn-primary">
</form>
<?php
if(isset($_POST['sub']))
{
$name = $_POST['name'];
$phone = $_POST['phone'];
$email = $_POST['email'];
$approval = "Not Allowed";
$sql = "INSERT INTO `contact`(`fullname`, `phoneno`,
`email`, `cdate`, `approval`) VALUES
('$name', '$phone', '$email', now(), '$approval') " ;

if(mysqli_query($con, $sql))
echo "OK";
}
?>
</div>
</div>
<div class="col-lg-6 col-md-6 col-sm-6 contact-w3-agile1" data-aos="flip-
right">

```

```

<h4>Connect With Us</h4>
<p class="contact-agile1"><strong>Phone :</strong>+94 (65)222-44-55</p>
<p class="contact-agile1"><strong>Email :</strong> <a href="mailto:name@example.com">INFO@HOTELMANAGEMENTSYSYSTEM.COM</a></p>
<p class="contact-agile1"><strong>Address :</strong> New Kalmunai Road, Batticaloa, Sri Lanka</p>

<div class="social-bnr-agileits footer-icons-agileinfo">
<ul class="social-icons3">
<li><a href="#" class="fa fa-facebook icon-border facebook"> </a></li>
<li><a href="#" class="fa fa-twitter icon-border twitter"> </a></li>
<li><a href="#" class="fa fa-google-plus icon-border googleplus"> </a></li>

</ul>
</div>
<iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3074.7905052320443!2d-77.84987248482734!3d39.586871613613056!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89c9f6a80ccf0661%3A0x7210426c67abc40!2sVirginia+Welcome+Center%2FSafety+Rest+Area!5e0!3m2!1sen!2sin!4v1485760915662" ></iframe>
</div>
<div class="clearfix"></div>
</div>
</section>
<!-- /contact -->
<div class="copy">
<p>© 2017 HOTEL . All Rights Reserved | Design by <a href="index.php">HOTEL MANAGEMENT SYSTEM</a> </p>
</div>
<!--/footer -->
<!-- js -->
<script type="text/javascript" src="js/jquery-2.1.4.min.js"></script>
<!-- contact form -->
<script src="js/jqBootstrapValidation.js"></script>

<!-- /contact form -->
<!-- Calendar -->
<script src="js/jquery-ui.js"></script>
<script>
$(function() {
$( "#datepicker,#datepicker1,#datepicker2,#datepicker3" ).datepicker();
});
</script>
<!-- //Calendar -->
<!-- gallery popup -->
<link rel="stylesheet" href="css/swipebox.css">
<script src="js/jquery.swipebox.min.js"></script>
<script type="text/javascript">
jQuery(function($) {
$(".swipebox").swipebox();
});
</script>
<!-- //gallery popup -->
<!-- start-smoth-scrolling -->
<script type="text/javascript" src="js/move-top.js"></script>
<script type="text/javascript" src="js/easing.js"></script>

```



```

<script type="text/javascript">
jQuery(document).ready(function($) {
$(".scroll").click(function(event){
event.preventDefault();
$('html,body').animate({scrollTop:$(this.hash).offset().top},1000);
});
});
</script>
<!-- start-smoth-scrolling -->
<!-- flexSlider -->
<script defer src="js/jquery.flexslider.js"></script>
<script type="text/javascript">
$(window).load(function(){
$('.flexslider').flexslider({
animation: "slide",
start: function(slider){
$('body').removeClass('loading');
}
});
});
</script>
<!-- //flexSlider -->
<script src="js/responsiveslides.min.js"></script>
<script>
// You can also use "$(window).load(function() {"
$(function () {
// Slideshow 4
$("#slider4").responsiveSlides({
auto: true,
pager: true,
nav: false,
speed: 500,
namespace: "callbacks",
before: function () {
$('.events').append("<li>before event fired.</li>");
},
after: function () {
$('.events').append("<li>after event fired.</li>");
}
});
});
</script>
<!--search-bar-->
<script src="js/main.js"></script>
<!--//search-bar-->
<!--tabs-->
<script src="js/easy-responsive-tabs.js"></script>
<script>
$(document).ready(function () {
$('#horizontalTab').easyResponsiveTabs({
type: 'default', //Types: default, vertical, accordion
width: 'auto', //auto or any width like 600px
fit: true, // 100% fit in a container
closed: 'accordion', // Start closed if in accordion view
activate: function(event) { // Callback function if tab is switched
var $tab = $(this);

```

```

var $info = $('#tabInfo');
var $name = $('span', $info);
$name.text($tab.text());
$info.show();
}
});
$('#verticalTab').easyResponsiveTabs({
type: 'vertical',
width: 'auto',
fit: true
});
});
</script>
<!--//tabs-->
<!-- smooth scrolling -->
<script type="text/javascript">
$(document).ready(function() {
/*
var defaults = {
containerID: 'toTop', // fading element id
containerHoverID: 'toTopHover', // fading element hover id
scrollSpeed: 1200,
easingType: 'linear'
};
*/
$.UItoTop({ easingType: 'easeOutQuart' });
});
</script>

<div class="arr-w3ls">
<a href="#home" id="toTop" style="display: block;"> <span id="toTopHover"
style="opacity: 1;"> </span></a>
</div>
<!-- //smooth scrolling -->
<script type="text/javascript" src="js/bootstrap-3.1.1.min.js"></script>
</body>
</html>

```

SOFTWARE REQUIREMENT:-

The system should prompt for the user and administrators to log into all the application and for proper input criteria.

OPERATING SYSTEM : Windows 7/ XP/8/10

FRONT END : Html, css, java script.

BACK END

CODING LANGUAGE : HTML, CSS, Java Script, PHP, MYSQL

CODE EDITOR : Visual Studio Code

SERVER SIDE SCRIPT : XAMP Server ,

DATABASE : Mysql

HARDWARE REQUIREMENT-

The most common set of requirements defined by any operating system or software application is the physical computer resources, also known as hardware. A hardware requirements list is often accompanied by a hardware compatibility list (HCL), especially in case of operating systems. An HCL lists tested, compatibility and sometimes incompatible hardware devices for a particular operating system or application. The following sub-sections discuss the various aspects of hardware requirements.

RAM : 1 GB

HARD DISK : 80 GB

PROCESSOR : Intel dual Core ,i3

Software Product Features

Hotel Management System

- ❖ Sequencing information

-Login information should be filled before the user allowed.

- ❖ Error Handling

-If user doesn't filled up validate information then the system display error message for user and request to enter the validate information.

Performance required

❏ Security

System should be Protected from unauthorized access Where the validate Username and Password are required so no other can access.

Logical Database

Data Design

contact

Column	Type	Null	Default	Links to	Comments	MIME
id (Primary)	int(10)	No				
fullname	varchar(100)	Yes	NULL			
phoneno	int(10)	Yes	NULL			
email	text	Yes	NULL			
cdate	date	Yes	NULL			
approval	varchar(12)	Yes	NULL			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

login

Column	Type	Null	Default	Links to	Comments	MIME
id (Primary)	int(10)	No				
usname	varchar(30)	Yes	NULL			
pass	varchar(30)	Yes	NULL			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	2	A	No	

Data Design

Data Model: A database model is a type of data model that determines the logical structure of a database and fundamentally determines in which manner data can be stored, organized and manipulated.

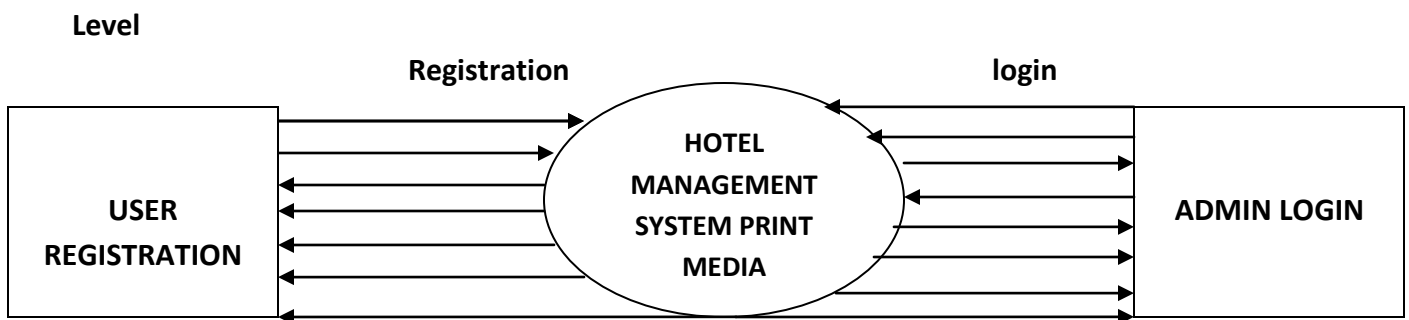
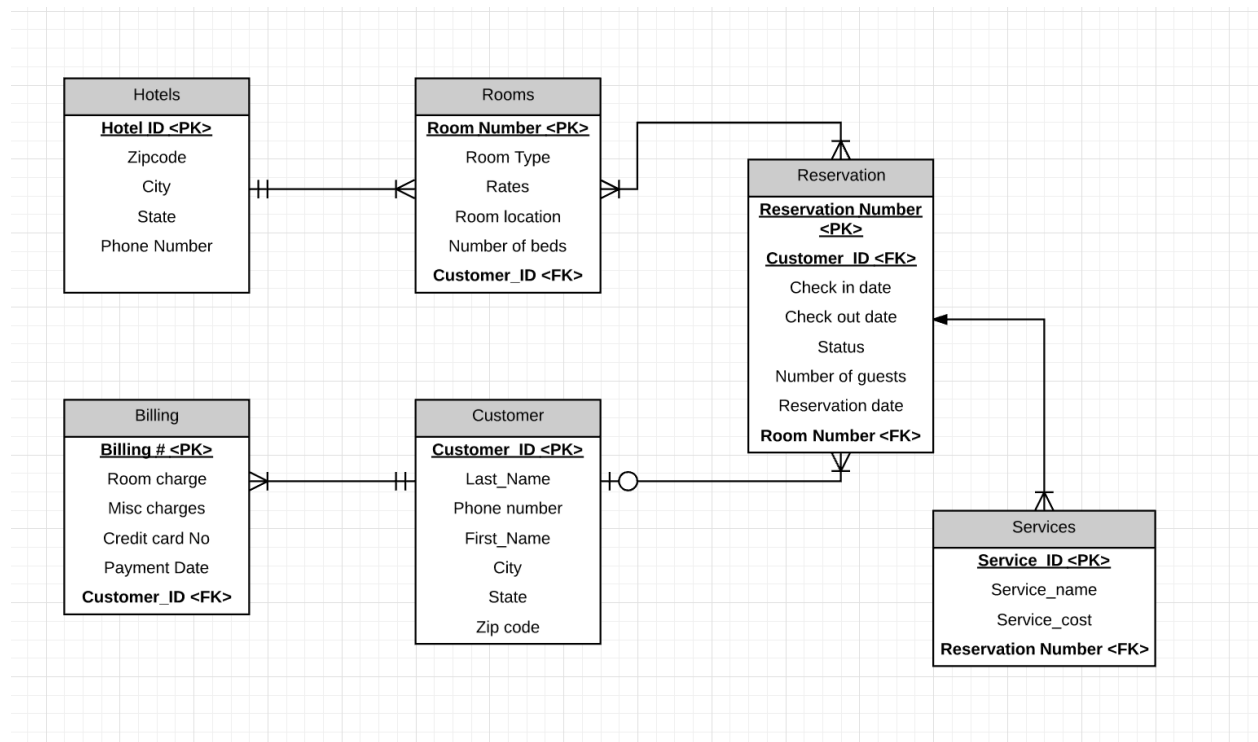


Figure :-DATA FLOW

Figure :- ER diagram



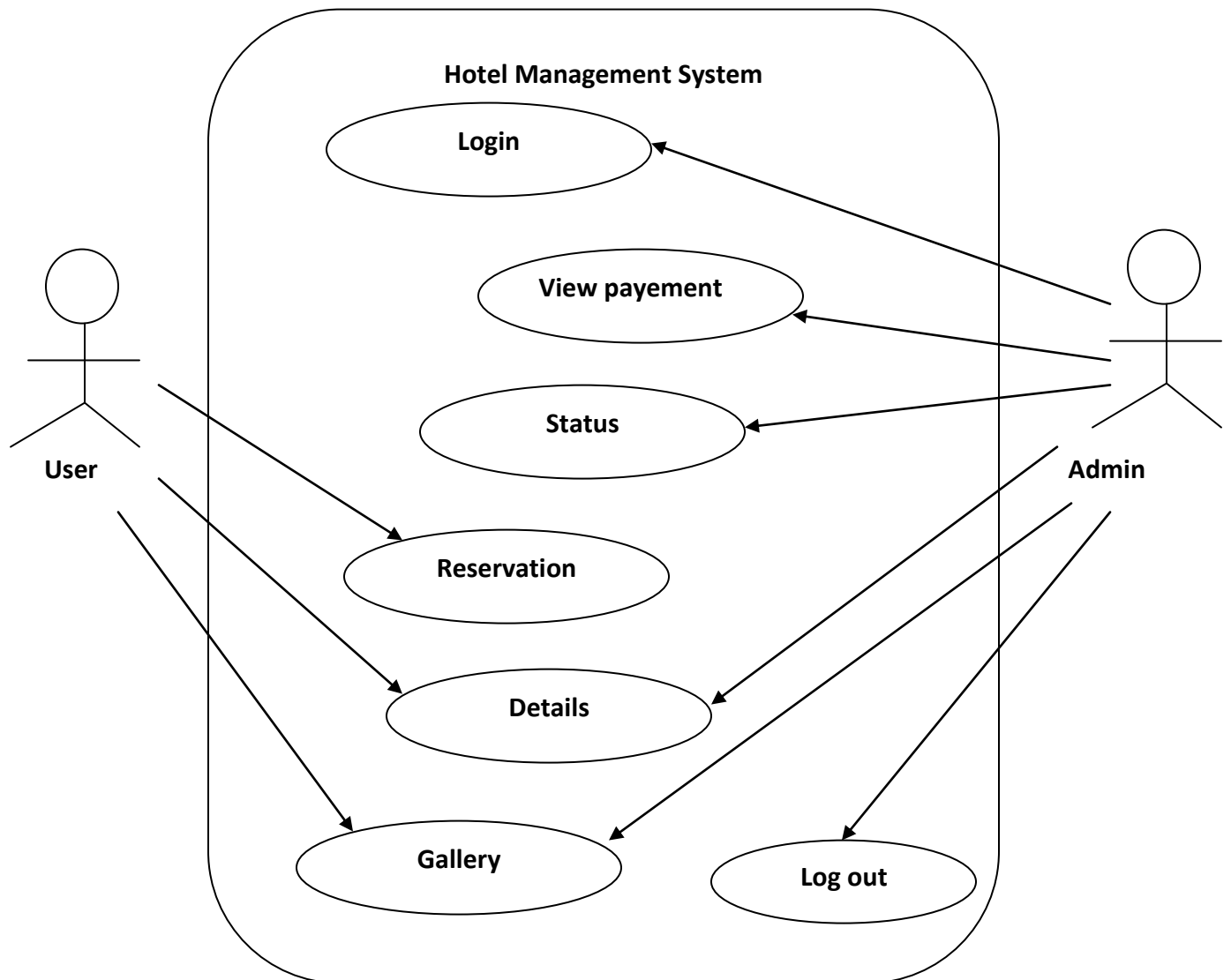


Figure: Use case Diagram

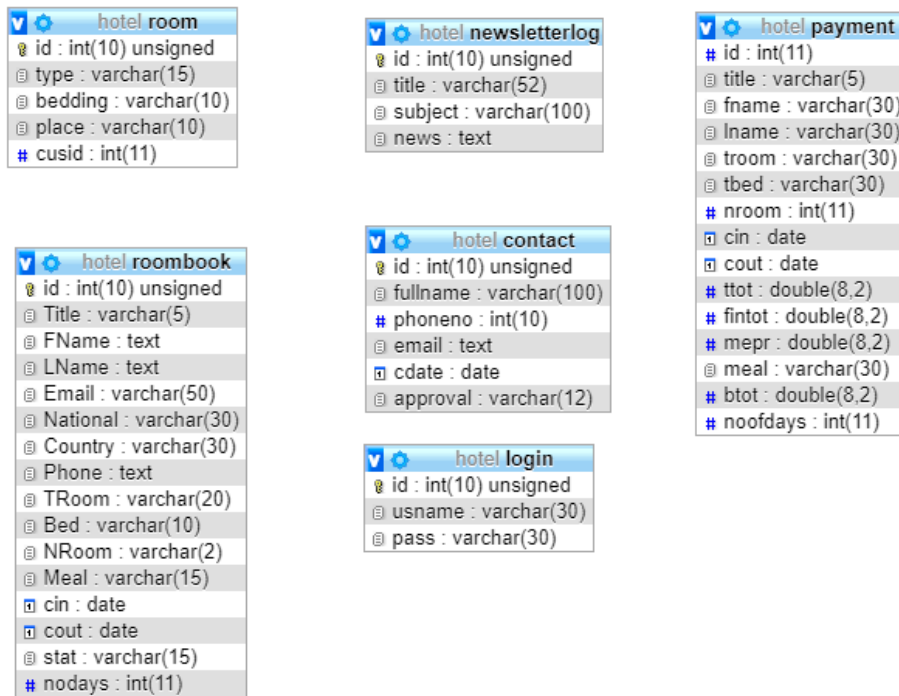


Figure: Schema Diagram

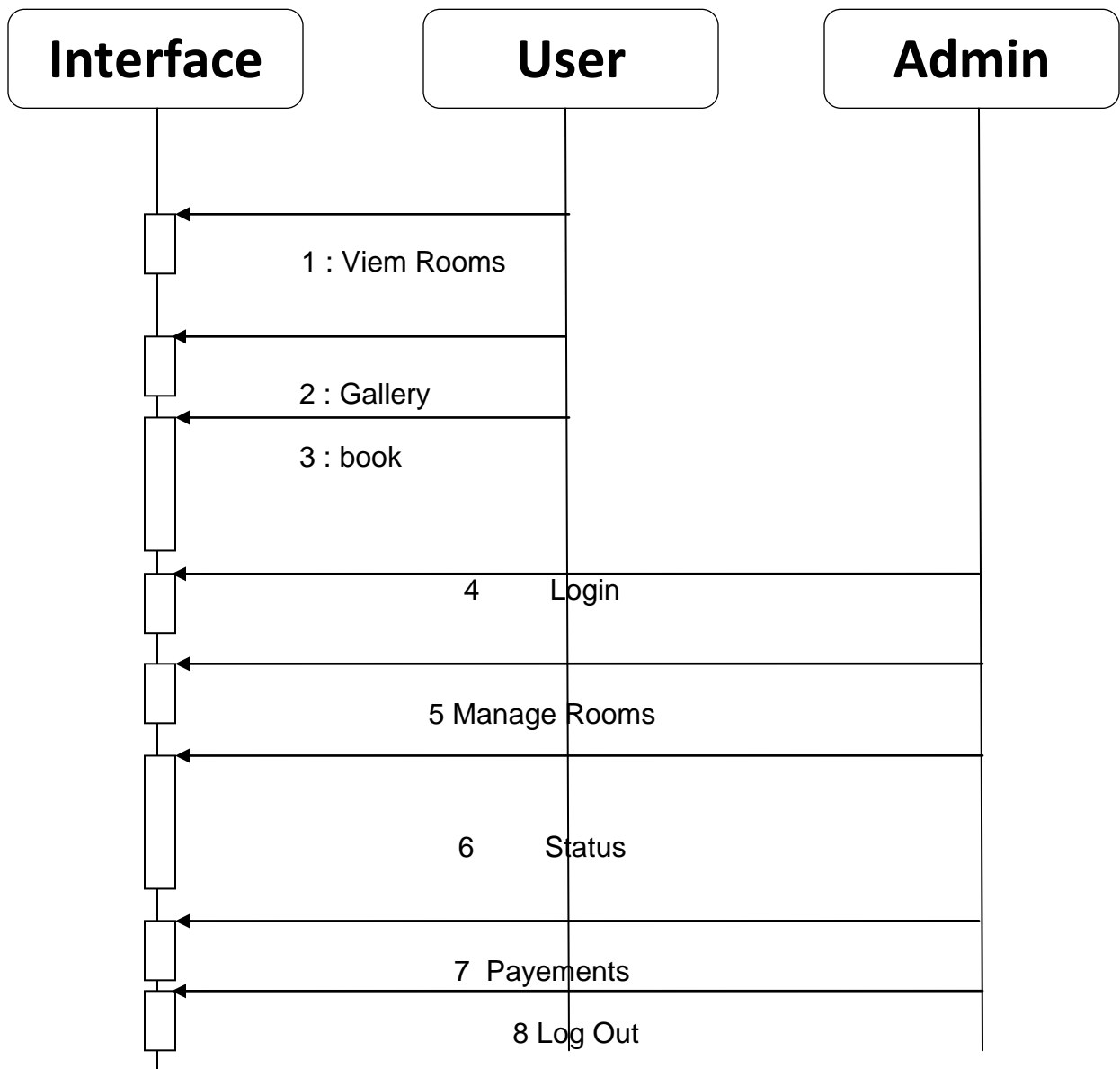


Figure: Sequence Diagram

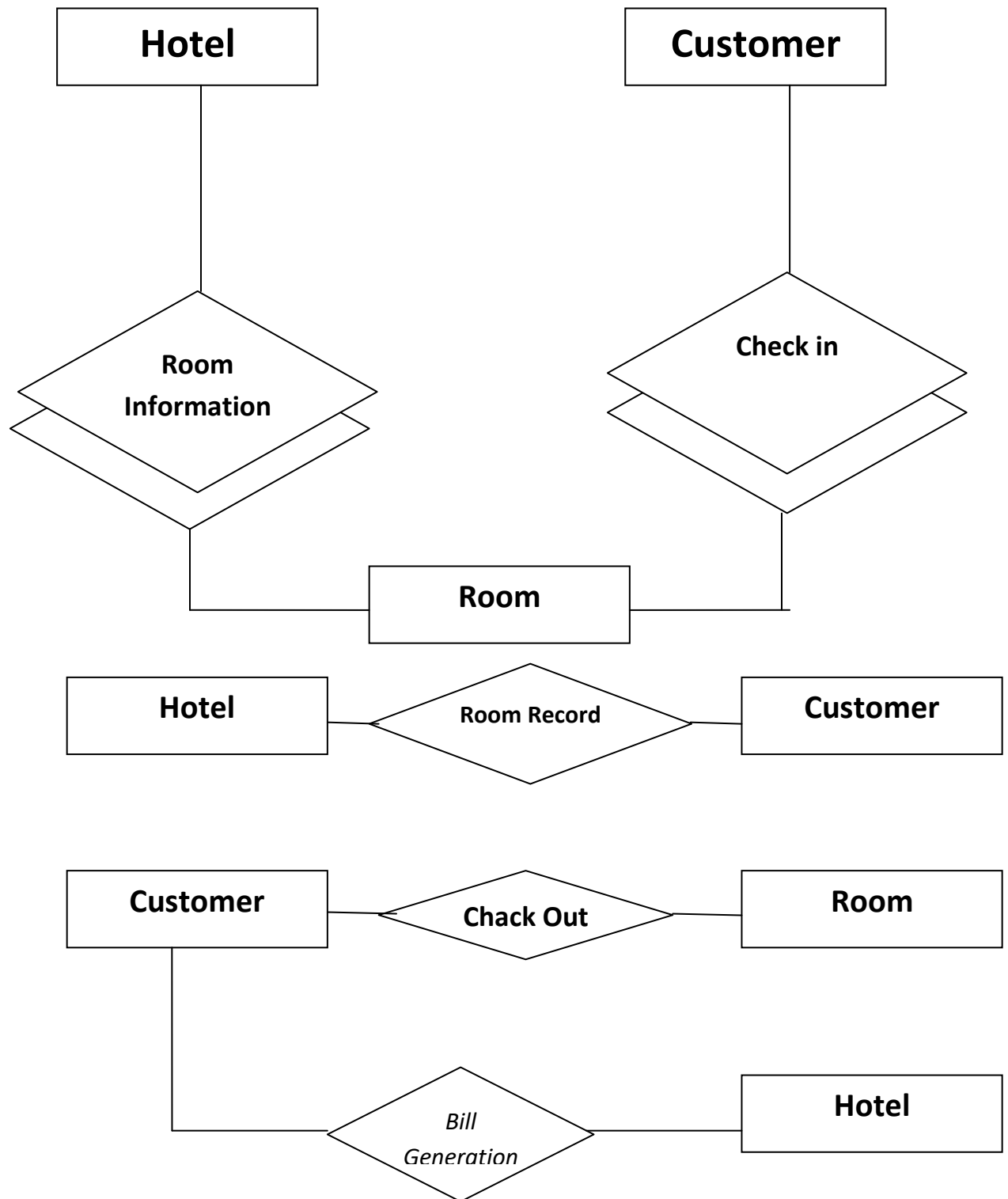


Figure: Flowchart

Chapter II: Task and Activities Performed

Advantage

- The advantages of booking a hotel online add up long before your arrival. Our legendary customer service extends to the web
- One advantage of booking with the hotel directly is the use of the hotel's full cancellation policy as well as not needing a deposit in most situations.
- Read reviews and compare prices for Online Hotel Booking.
- The most important advantage of online hotel booking is convenience, you can book your room by simply sitting in home. Internet helps you to browse through the hotels around the world and compare the facilities and rates easily.

Structure of the project

- ❖ After Administrator Login
 - Status
 - View Booking
 - View Rooms
 - View payment's
 - News Letter
 - Logout
- ❖ Users visit
 - View rooms
 - View Gallery
 - View services
 - Book

Scope and Feasibility

- This activity is also known as the feasibility study.
- Perform and evaluate feasibility studies like cost-benefit analysis, technical feasibility, time feasibility and operational feasibility for the project. Project Scheduling should be made using charts. Feasibility study is carried out to decide whether the proposed system is feasible for the company. It begins with a request from the user for a new system. It involves the following:
 - Identify the responsible user for a new system

- Clarify the user request
- Identify deficiencies in the current system
- Establish goals and objectives for the new system
- Determine the feasibility for the new system
- Prepare a project charter that will be used to guide the remainder of the Project

System Analysis

It is a process of collecting and interpreting facts, identifying the problems, and decomposition of a system into its components.

System analysis is conducted for the purpose of studying a system or its parts in order to identify its objectives. It is a problem solving technique that improves the system and ensures that all the components of the system work efficiently to accomplish their purpose.

The objective of the system analysis activity is to develop structured system specification for the proposed system. The structured system specification should describe what the proposed system would do; independent of the technology, which will be used to implement these requirements. The structured system specification will be used to implement these requirements.

The essential model may itself consist of multiple models, modeling different aspect of the system. The data flow diagrams may model the data and there relationships and the state transition diagram may model time dependent behavior of the system. The essential model thus consists of the following.

- Context diagram
- Leveled data flow diagrams
- Process specification for elementary bubbles
- Data dictionary for the flow and stores on the DFDs.

System Design

- System design involves transformation of the user implementation model into software design. The design specification of the proposed system consists of the following:
- Database scheme
- Sequence Diagram
- Flow Chart

Implementation

This activity includes programming, testing and integration of modules into a progressively more complete system. Implementation is the process of collect all the required parts and assembles them into a major product.

Test Generation

This activity generates a set of test data, which can be used to test the new system before accepting it. In the test generation phase all the parts are come which are to be tested to ensure that system does not produce any error. If there are some errors then we remove them and further it goes for accepting.

Future Scope –

The software to be developed deals with creating a Hotel Management System which will automate the major hotel operations such as generating COD, billing and keeping track of records of daily transcation. Admin have the authority to control and modify the database.

CONCLUSION

This project is designed to meet the requirements of Online Hotel Management. It hasbeen developed in JSP, Servlets keeping in mind the specifications of the system.For designing the system we have used simple data flow diagrams.Overall the project teaches us the essential skills like:

Using system analysis and design techniques like data flow diagram in designing thesystem. Understanding the database handling and query processing.