



A Project Report On

Hotel Booking

Developed At

SMT. K.B.SHAH (VADIVIHAR) SCIENCE COLLEGE

For

SMT. K.B.SHAH (VADIVIHAR) SCIENCE COLLEGE

(Constitute college of C.U.SHAH UNIVERSITY)

WADHWAN CITY.

(DIST. SURENDRANAGAR)

BY

[Enrollment No: 21cs401025]

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IN FULFILLMENT OF

BCA Sem. VI

(A.Y. 2023 – 2024)



COLLEGE PROFILE

Smt. K.B.Shah (Vadi Vihar) Science College (KBSSC) is a self- financed institute offering both UG as well as PG Courses.

It was established in June-1999 and managed by Vardhman Bharti Trust. The institute is constituent with C.U.SHAH University, Surendranagar (Gujarat).

Bachelor of Science in Information Technology (B.Sc.IT) & Bachelor of Computer Application (B.C.A.) both courses are of three-year (six semesters) professional Bachelor's Degree in computer science. The course is designed to meet the growing demand for qualified professionals in the field of Information Technology. The B.Sc.IT/B.C.A programs emphasis on the Application Development, Latest Programming Language and Tools to develop better and faster applications.

The college has also started M.Sc.IT (Web Technology) course in June-2014 constituent with C.U.Shah University, Wadhwan. This program aims at the understanding of fundamentals of Web Development using different technologies so that students can compete in the current global situation. Students are trained in the fields of Web designing and development with web applications software, Networks Systems, System Administration and Mobile Computing etc. These programs prepare them to take up positions as a web developer, System Analyst, Team Leader and Managers in any field related to Information Technology.

The course emphasizes academic excellence at the undergraduate and post graduate levels.

The college is situated at Surendranagar - Ahmedabad State highway on outskirts of Wadhwan, Taluka Headquarters, situated on scenic banks of the river Bhogavo.

The institute, in all its aspects, is an ideal place where students participate in the creation of new computer based knowledge and application through numerous programs, enhance their academic quality.

CANDIDATE'S DECLARATION

I hereby declare that the project work entitled **Hotel Booking** submitted to the C. U. Shah University - Surendranagar, is a record of an original work done by me under the guidance of **J. B. Khimsuriya** Lecturer at K. B. Shah Science College, C. U. Shah University, and this project work is submitted in the partial fulfilment of the requirements for the award of the degree of BCA.

Gondaliya Raxit.

[21cs401025]

Smt. K. B. Shah (VADI VIHAR) Science College

(Constitute college of C. U. SHAH UNIVERSITY)

Wadhwani City



CERTIFICATE

This is to certify that **Gondaliya Raxit** student of 6th semester of BCA has developed the **Hotel Booking** project. The system has been developed during 6th semester towards the fulfilment of 6th Semester of BCA.

"We have found him to be very diligent and sincere. He is able to understand and follow the methodologies for making good software."

Wishing a great success in all his future endeavors.

Date:

PROJECT GUIDE

(J. B. Khimsuriya)

H.O.D

Dr. J. B. Khimsuriya

ACKNOWLEDGEMENT

The success of any project is never limited to the individuals undertaking the project. It is the collective effort of the people around an individual that spell success. For all efforts, behind this successful project, I am highly intended to the following personalities without whom this project would never be completed.

I would like to express our deep gratitude to all staff members, for their valuable suggestion and co-operation.

At last, but not least our special thanks to those who have encouraged and motivated me directly or indirectly are

Project Guide:
Raxit Gondaliya

H.O.D.
Mr. J.B Khimsuriya

ABSTRACT

Introducing a revolutionary hotel booking website that redefines the way travelers plan and book their accommodations. Our platform offers an intuitive and sleek user interface, making the booking process effortlessly simple. Users can quickly search for hotels, view details, and make reservations with ease.

What sets us apart is our focus on personalization, providing users with hotel recommendations tailored to their preferences and past booking history. Real-time availability, secure payment processing, and a robust review and rating system are core features, ensuring users can trust the information they see, pay with confidence, and make informed choices based on genuine feedback.

With relocation features, interactive maps, special offers, and responsive customer support, we cater to every aspect of a traveler's needs. This hotel booking website is designed to offer a seamless and enjoyable booking experience, delivering peace of mind and a memorable stay for users worldwide.

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1. INTODUCTION

1.1. PROJECT SUMMARY

Our hotel booking website is designed to make planning your travels a breeze. We understand that finding the perfect place to stay can sometimes be overwhelming, so our website's main purpose is to simplify this process for you. Whether you're looking for a cozy budget hotel or a luxurious resort, we offer a wide range of accommodation options to cater to different tastes and budgets. You can count on our platform to provide an intuitive and user-friendly experience that allows you to quickly discover and secure the ideal place to stay for your trip.

One of our top priorities is to provide transparency and trust in the booking process. We believe in giving you all the information you need to make an informed decision. This means detailed descriptions, accurate pictures, and user reviews that offer insights from fellow travelers. You can trust our platform to help you find accommodations that match your expectations.

But it's not just about travelers; we also care about hotels and property owners. Our website serves as a valuable tool for these providers to expand their reach and maximize their occupancy rates and revenue. We want to ensure that it's a win win situation for both travelers and accommodations.

We've also recognized the importance of mobile convenience. In a world where many bookings are made on the go, our website is designed to be responsive and work seamlessly on mobile devices. We're also committed to sustainability. For Eco conscious travelers, we'll include listings of environmentally friendly lodging options.

As we grow, our goal is to expand our coverage to include hotels from various international destinations. We aim to offer a diverse range of options to cater to a global user base. Additionally, we'll empower accommodations providers with a user-friendly backend interface for efficient management of reservations, pricing, and availability.

Lastly, we're dedicated to continuous improvement. We plan to regularly update and enhance the website, adding new features and improving customer support to ensure that your experience with our platform is always evolving and exceptional, making your travel planning as smooth as possible.

1.2. PURPOSE

The purpose of designing of this project is to simplify the process of finding and Booking accommodations for travelers. It aims to connect user with a wide range of lodging options, streamline the reservation process, and provide transparent information to facilitate confident booking decisions. Additionally, the website will supports hotels and property owners in optimizing their occupancy rates and revenue, creating a mutually beneficial platform for both travelers and providers.

1.3. SCOPE

The Registration feature will be developed to offer a seamless user experience. Users can effortlessly sign up on our hotel booking platform by entering essential details, such as their name, email, and password. The primary scope of this project encompasses the creation of a user-friendly and secure registration process, ensuring that users can quickly join our platform and start exploring and booking accommodations.

1.4. TECHNOLOGY REVIEW

1. HTML

- The Hyper Text Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It defines the meaning and structure of web content. It is often assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.
- HTML Basic Tags
 1. <DOCTYPE! Html> – A doc type or document type declaration is an instruction that tells the web browser about the markup language in which the current page is written. It is not an element or tag. The doc type declaration is not case sensitive.
 2. <Html> – This tag is used to define the root element of HTML document. This tag tells the browser that it is an HTML document. It is the second outer container element that contains all other elements within it.

3. <Head> – This tag is used to define the head portion of the HTML document that contains information related to the document. Elements within the head tag are not visible on the frontend of a webpage.
4. <Body> – The body tag is used to enclose all the visible content of a webpage. In other words, the body content is what the browser will show on the front end.

2. JavaScript

What is JavaScript?

- JavaScript is a lightweight, cross platform, single threaded, and interpreted compiled programming language. It is also known as the scripting language for webpages. It is well-known for the development of web pages, and many no browser environments also use it.
- JavaScript is a weakly typed language (dynamically typed). JavaScript can be used for Client side developments as well as Server side developments. JavaScript is both an imperative and declarative type of language. JavaScript contains a standard library of objects, like Array, Date, and Math, and a core set of language elements like operators, control structures, and statements.
- **Client side:** It supplies objects to control a browser and it's Document Object Model (DOM). Like if client side extensions allow an application to place elements on an HTML form and respond to user events such as mouse clicks, form input, and page navigation. Useful libraries for the client side are AngularJS, ReactJS, VueJS, and so many others.
- **Server side:** It supplies objects relevant to running JavaScript on a server. For if the server side extensions allow an application to communicate with a database, and provide continuity of information from one invocation to another of the application, or perform file manipulations on a server. The useful framework which is the most famous these days is node.js.

3. CSS

What is CSS?

CSS (Cascading Style Sheets) is a language used to present a web page that was introduced to remedy the increasing introduction and use of presentational HTML elements. Not only does it lend even greater control over the appearance of a web page, it removes the need for presentational elements in the HTML document itself. It has taken a while for browsers to cotton on, but

most CSS is now.

4. PHP

PHP language:

- PHP language is used to create a web site (resides at server side and generates a dynamic web page).
- PHP is a general purpose programming language originally designed for web development.
- It was originally created by Rasmus lerdorf in 1994.
- The PHP references implements is now produce by the PHP group.
- PHP stands for Hypertext Preprocessor, this built pages at run on server side.
- PHP my admin is store a data into database from the user all request for maintain a database.

What is a PHP:

- PHP stands for Hypertext Preprocessor, this built pages at run on server side.
- PHP is a widely used open source general purpose scripting language that Is especially suited for website development and can be embedded into HTML.
- PHP stands for Hypertext Preprocessor, that earlier stood for Personal Home Pages.
- PHP is faster than other scripting languages, for example, ASP and JSP.
- PHP is a server side scripting language, which is used to manage the dynamic content of the website.
- PHP can be embedded into HTML.
- PHP is an object-oriented language.
- PHP was created by Rasmus Lerdorf in 1994. It's currently maintained by the PHP Development Team.

Server side scripting language:

A server side script is processed on the web server when the user requests information. These kinds of scripts can run before a web page is loaded. They are needed for anything that requires dynamic data, such as storing user

login details. Some common server side languages include PHP, ASP, JSP. These execute like programming languages on the server. When a server side script is processed, the request is sent to the server and the result is sent back to the client. This is useful for websites which store large amounts of data, such as search engines or social networks it would be very slow for the client browser to download all the data.

Advantages of PHP:

- The high speed of PHP gives it an advantage over other scripting language and gives it an application in important administration and mail functions.
- One of the important advantages of PHP is that it is open source.
- Therefore PHP is readily available and is entirely free.

5. About MySQL

MySQL the most popular Open Source SQL database management system, is developed, distributed by a MySQL AB.

The MySQL Web site (<http://www.mysql.com/>) provides the latest information about MySQL software and MySQL AB.

MySQL Features:

- MySQL is a database management system.
- MySQL is a relational database management system.
- MySQL software is Open Source.
- The MySQL Database Server is very fast, reliable and easy to use.
- MySQL Server works in client/server or embedded systems.
- A large amount of contributed MySQL software is available.

Database Integration: MySQL

SQL stands for structured query language. It provides a standardize syntax by which different types of database can be quires.

- **PHP mysql_connect () Function**

The **CREATE DATABASE** statement is used to create a database in MySQL.

Syntax:

CREATE DATABASE database_name

To get PHP to execute the statement above we must use the `mysql_query()` function. This function is used to send a query or command to a MySQL connection.

- **Create a Table**

The **CREATE TABLE** statement is used to create a database table in MySQL.

Syntax:

**CREATE TABLE table_name (column_name1 data_type,
column_name2 data_type, column_name3 data_type ...)**

There are several MySQL functions to run above syntax for PHP.

- **PHP mysql_connect() Function**

The **mysql_connect()** function opens a no persistent MySQL connection.

This function returns the connection on success, or FALSE and an error on failure. You can hide the error output by adding an '@' in front of the function name.

Syntax:

mysql_connect (server, user, pwd, newlink, clientflag)

- **PHP mysql_close() Function:**

The `mysql_close()` function closes a no persistent MySQL connection. This function returns TRUE on success, or FALSE on failure

Syntax:

```
mysql_close (connection)
```

- **PHP mysql_query () Function**

The **mysql_query ()** function executes a query on a MySQL database.

This function returns the query handle for SELECT queries, TRUE/FALSE for other queries, or FALSE on failure.

Syntax:

```
mysql_query (query, connection)
```

- **PHP mysql_select_db () Function**

The **mysql_select_db ()** function sets the active MySQL database. This function returns TRUE on success, or FALSE on failure.

Syntax:

```
mysql_select_db (database, connection)
```

- **PHP mysql_error () Function**

The **mysql_error ()** function returns the error description of the last MySQL operation.

This function returns an empty string ("") if no error occurs.

Syntax:

```
mysql_error (connection)
```

- **PHP mysql_fetch_row () Function**

The **mysql_fetch_row ()** function returns a row from a record set as a numeric array.

This function gets a row from the **mysql_query ()** function and returns an array on success, or FALSE on failure or when there are no more rows.

Syntax:

```
mysql_fetch_row (data)
```

6. About PHP MySQLi

Introduction to PHP MySQLi

- PHP MySQLi: Hypertext Pre-processor My Structured Query Language improved.
- The PHP MySQLi allows you to access MySQL database server.
- Since PHP5 and MySQL4.1, new features have been created that are not supported in earlier version so the creator of PHP created a new driver called MySQLi that supports the new features in both technologies.
- The MySQLi extension was introduced with PHP5 and MySQL native driver was included in PHP5.3.0

Difference between MySQL and MySQLi

- MySQLi is nothing but improved version of MySQL, which supports Object Oriented Programming.
- MySQL is faster than MySQLi.

Installing MySQLi.

- If you are running PHP5.3.0 plus version MySQLi should be available to use but in old PHP versions extension is not enabled by default, so you have to enable it manually by editing ‘php.ini’ file
- To enable the extension you have to remove semi colon (;) sign from start of line ‘extension=php_mysqli.dll’ inside the ‘php.ini’ file.

Establishing a database connection using OOPS MySQLi

- MySQLi offers two (2) ways to connect with database, the procedure oriented and the object oriented, but official way is object oriented.

Syntax:

Procedure Oriented: \$con = mysqli_connect (hostname, username, password, database_name)

Object Oriented: \$con = new mysqli (hostname, username, password, database_name)

Preparing a database query

- ‘query ()’ is used to perform a query on database.

Syntax: Con_Obj_Name->query (string variable)

Creating a database:

‘Create database’ syntax is used to create database.

Example:

```
<? Php
    $con=new Mysqli ("localhost","root","");
    $q="create database bscit";
    $result=$con->query ($q);
    If ($result)
        Echo "Database is created";
    Else
        Echo "Database creation error or already exist";
    ?>
```

Creating a table:

‘Create table’ command is used to create a table.

Syntax: create table (field_name datatype (int size) , ...)

Example:

```
<? Php
    $con=new mysqli ("localhost","root","","bscit") or die ("Could not
connect");
    $q="create table student (rno int, sname varchar (10), city varchar
(20))";
    $result=$con->query ($q);
    If ($result)
        Echo "Table is created";
    Else
        Echo "Table creation error or already exist";
    ?>
```

Syntax:

To insert value in all field: insert into values (value1, value2, ...)

To insert value in specific field : insert into (field1, field2, ...) values(value1, value2, ...)

Displaying record:

- ‘Select’ command is used to display a record of table.
- To display all record and all fields: select * from**
- To display particular fields: select field1, field2, ... from**
- To display particular record: select * from [where]**
- ‘num_rows’ attribute is used to retrieve number of rows from record set.

Updating record:

- Update command is used to update record of the table.
- Syntax:** update set field= value ,... [Where <condition>]

Deleting record:

- ‘Delete’ command is used to delete record.

Syntax: To delete all the record:

 Delete * from <tablename>

 To delete particular record:

 Delete from [where <condition>]

Passing Query Parameters OR Prepared Statement.

- A prepared statement or parameterized statement is used to execute same statement repeatedly with high efficiency
- The prepared statement execute consist of two(2) stages :

Prepare:

- At the prepare stage a statement template is send to the server, the server perform a syntax check and initialize server resource for later use.
- The ‘**prepare ()**’ is used for preparing a statement template.
- After executing ‘**prepare ()**’ you have to bind arguments by using ‘**bind_param ()**’.
- Syntax of **bind_param ()**: Boolean **bind_param** (string datatype, variable, ...) string datatype : Datatype of variables.
 - **I** : Integer
 - **d** : Double
 - **s** : string
 - **b** : BLOB(Binary Large OBject)

Execute: ‘**execute ()**’ is used to execute prepared statement

- When you use prepare statement with select statement, you have to use ‘bind_result ()’ to set the fetch data variable.
- This function binds variable to a prepare statement for result storage.

Syntax: Boolean bind_result (variable, ...)

- After binding result, ‘fetch ()’ is used to fetch result from a prepared statement into a bound variable.

Syntax: Boolean fetch ()

Setting the destination for the query result. Bind_result ():

- ‘bind_result ()’ to set the fetch data variable.
- This function binds variable to a prepare statement for result storage.

Syntax: Boolean bind_result(variable, ...)

2. PROJECT MANAGEMENT

2.1. PROJECT PLANNING AND SCHEDULING

Project planning is part of project management, which relates to the use of schedules such as table plan and subsequently report progress within the project environment. Initially, the project scope is defined and the appropriate methods for completing the project are determined. Following this step, the durations for the various tasks necessary to complete the work are listed and grouped into a work breakdown structure. The project plan may be optimized to achieve the appropriate balance between resource usage and project duration to comply with the project objectives. Once established and agreed, the plan becomes what is known as the baseline.

Progress will be measured against the baseline throughout the life of the project. Analyzing progress compared to the baseline is known as earned value management.

2.1.1. Project Development Approach:

1. Project Initiation:

Define the project objectives, scope, and constraints. Identify stakeholders and their roles. Create a project charter and obtain approvals.

2. Project Planning:

Develop a project team, including roles and responsibilities. Create a detailed project scope statement. Define project deliverables and acceptance criteria. Identify risks and create a risk management plan. Determine the budget and secure funding. Select a project management methodology (e.g. Agile, Waterfall).

3. Requirements Gathering:

Work with stakeholders to gather and document detailed requirements for the hotel booking system. Prioritize requirements based on importance and feasibility.

4. System Design:

Design the architecture of the hotel booking system. Create

wireframes or mockups of the user interface. Define the database structure. Identify any third-party integrations (e.g., payment gateways).

5. Development:

Write the code for the hotel booking system. Implement the database structure. Perform unit testing for individual components.

6. Testing:

Conduct system testing to ensure that all components work together seamlessly. Perform user acceptance testing with stakeholders. Address and fix any defects identified during testing.

7. Deployment:

Plan and execute the deployment of the hotel booking system to the production environment. Monitor and manage system performance during deployment. Train hotel staff if necessary.

8. Monitoring and Maintenance:

Establish a system for monitoring the hotel booking system's performance and availability. Set up regular maintenance schedules for updates and bug fixes.

9. Documentation:

Create user manuals and technical documentation. Ensure that the project documentation is up to date.

10. Project Closure:

Conduct a project review to evaluate the project's success. Obtain formal acceptance from stakeholders. Archive project documents and lessons learned.

Project Schedule:

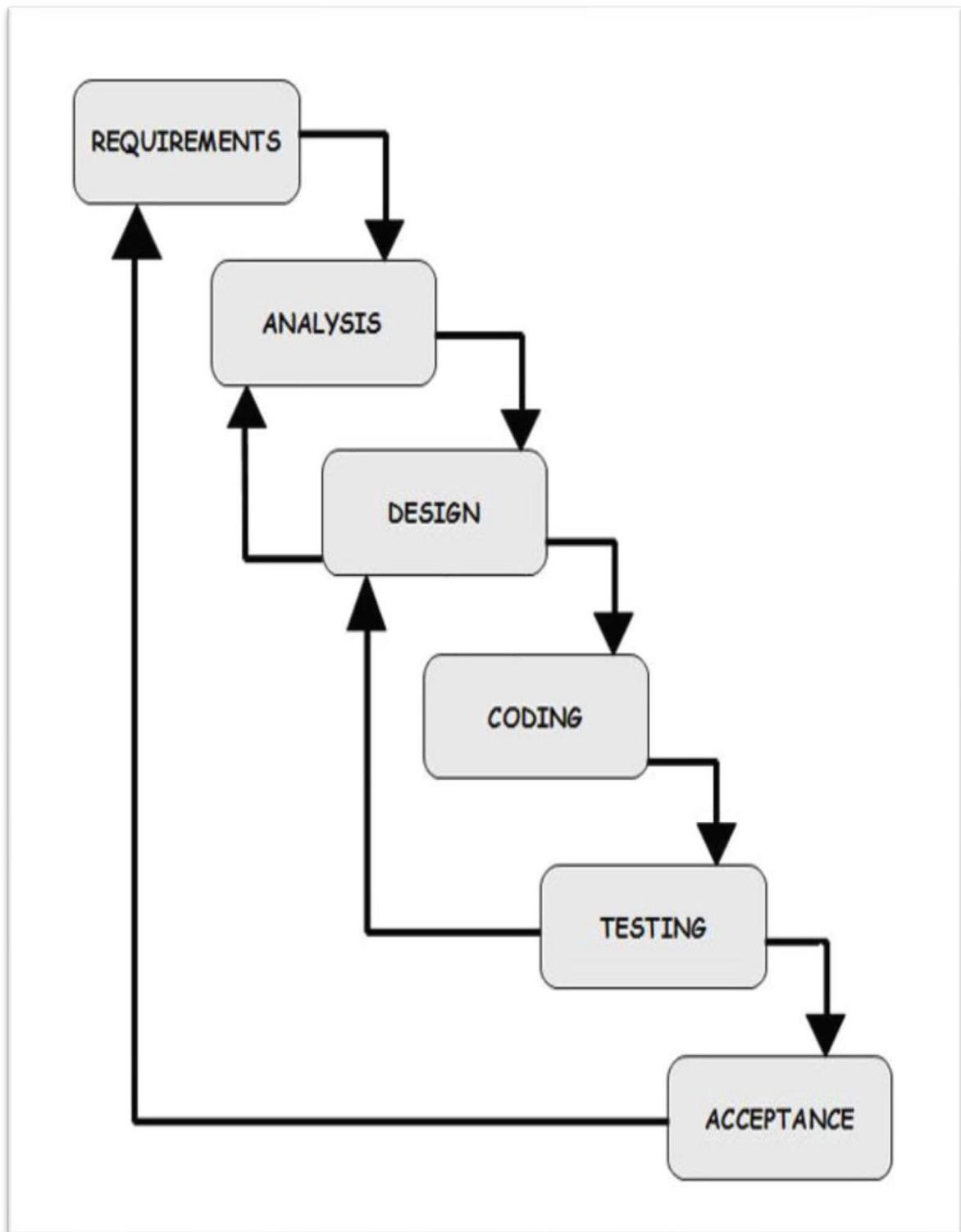
Develop a Gantt chart or project timeline to schedule tasks and activities. Assign responsible individuals to each task. Define task dependencies and critical path activities. Allocate time for risk management and issue resolution. Allow for testing, user acceptance, and

debugging phases. Define project milestones and deliverable deadlines. Regularly update and adjust the schedule as necessary. Remember that the hotel booking project may require adjustments and refinements based on the specific requirements and constraints of your project. It's important to regularly review and update your project plan and schedule to adapt to changing circumstances. Effective communication and collaboration among project stakeholders and team members are key to the success of the project.

Iterative waterfall Model:

In a practical software development project, the classical waterfall model is hard to use. So, Iterative waterfall model can be thought of as incorporating the necessary changes to the classical waterfall model to make it usable in practical software development projects. It is almost same as the classical waterfall model except some changes are made to increase the efficiency of the software development .A typical iteration process flow can be visualized as follows:

- Iterative Waterfall Model is the extension of the Waterfall model.
- This model is almost same as the waterfall model except some modifications are made to improve the performance of the software development.
- The iterative waterfall model provides customer's feedback paths from each phase to its previous phases.
- There is no feedback path provided for feasibility study phase, so if any change is required in that phase then iterative model doesn't have scope for modification or making corrections.
- Iterative waterfall allows to go back on the previous phase and change the requirements and some modification can done if necessary.
- This model reduces the developer's effort and time required to detect and correct the errors.
- In iterative waterfall model, next phase can only begin when the previous phase is completed as waterfall model.



[FIGURE: Iterative Waterfall Model]

2.1.2. Project Plan:

Project Goals:

- **Privacy and Security:** The primary goal of our website is to ensure the privacy and security of users' personal information, including their email, password, and contact details. We are committed to safeguarding their data and ensuring a trusted online environment.
- **Streamlined Booking:** Our website aims to simplify the process of booking accommodations. We want to provide users with an intuitive and efficient platform to discover and book hotels, making travel planning a hassle free experience.
- **Payment Flexibility:** To enhance user convenience, we aim to offer multiple payment options, including cash on delivery and various secure online payment methods. We want to ensure that users can choose the payment method that suits them best.

Project Scope:

- **User Preferences:** The project will encompass the development of features that cater to user preferences, including the ability to store and recall login details like passwords and email addresses.
- **Streamlined Booking:** We aim to streamline the booking process, making it more user friendly and efficient.
- **Search and Filtering Options:** The scope will include advanced search and filtering capabilities to help users find their ideal accommodations more precisely.
- **Mobile Responsiveness:** The project will ensure that the website is mobile responsive, providing a smooth booking experience on smartphones and tablets.
- **Expansion Potential:** While the project begins as a prototype, it has significant potential for expansion and development into a full-fledged, feature rich hotel booking platform.

2.2 RISK MANAGEMENT

A risk is any unfavorable event or circumstances that can occur while a project is underway. Software is difficult in understanding. Lots of things can go wrong. So the objective of including this section is to identify risk that can be helping us to understand and manage uncertainty during the development of the project.

2.2.1 Risk Identification

The following are the possible risks, which is associated with project.

Technical Risks:

- It did not work properly because of problem in Database connectivity.

Project Risks:

- Scope might have been wrongly defined and the project might go in the wrong direction.
- The time limits might not have been properly calculated as per the scope. If the project was not properly scheduled, or if the scope was ill defined, it might not be possible to finish the project at the right time.
- Scope creep could occur. The expectations and requirements have increased or may be changed.
- Certain technical problems have remained unsolved.

2.2.2 Risk Analysis

Types of Risks:

- **Performance Risk** – The degree of uncertainty that the product will meet its requirements and be fit its intended use. As we are trainees, the performance risk is there in our project.
- **Cost Risk** – The degree of uncertainty that the project budget will be maintained. The cost of our project is already decided by management.

- **Technical Risk** – Threaten the quality and timeliness of the s/w to be produced.

2.2.3. Risk Planning

Having made the selection, the implementation of the selected actions will need planning and is likely to include plan changes, new or modified Work Packages:

- Planning, this, for the counter measure actions itemized during the risk evaluation activities, consists of.
- Identifying the quantity and type of resources required to carry out the actions.
- Developing a detailed plan of action; this will be included in Project and Stage Plans either as additional activities or as a contingency plan.
- Confirming the desirability of carrying out the actions identified during risk evaluation in light of any additional information gained.

2.3. ESTIMATION

2.3.1. Effort Estimation

Development in such applications requires programming skills and sound knowledge in the Java with various others functionalities and tools used with it. This includes file writing, generating report, database handling, data manipulations, and other big small tasks.

2.3.2. Cost Analysis

There are mainly two types of costs.

- **Direct cost:**

In direct cost, cost of the software's included. In our project I have used Xampp. This software is easily available on internet at free of cost.

- **Indirect cost:**

In indirect cost, cost of man power is included for requirement analysis, project development. For requirement analysis I have spent 18 days of time in starting of project. So the cost of this entire is also included in the project.

3. SYSTEM REQUIREMENTS STUDY

3.1 USER CHARACTERISTICS

• Hotel Administrator:

The most authorized individual, equipped with administrative privileges to manage the system content and functionality for users. The hotel administrator holds responsibilities such as overseeing bookings, managing hotel information, setting room availability, and handling customer service aspects.

• Guest User:

Following the hotel administrator, the guest user holds various rights and capabilities within the website. This user can browse available accommodations, make bookings, manage reservations, and interact with the system for their hotel-related needs. The guest user does not possess administrative privileges but enjoys access to essential features for a seamless booking experience.

3.2 HARDWARE AND SOFTWARE REQUIREMENTS

Table 3.1: Software Requirements	
Front End Tool	Xampp v3.3.0
Back End Tool	MySQL Server 127.0.0.1
Presentation Tool	Microsoft Presentation 2021
Reporting Tool	Microsoft Word 2021
Operating System	Windows11 or above
<i>[TABLE:7 software requirement]</i>	

Table 3.2: Hardware Requirements	
Processor	Intel® Core™ i3-2370M CPU @2.40GHz
RAM	4.00 GB
System Type	64-bit Operating System
<i>[TABLE:8 hardware requirement]</i>	

3.3 CONSTRAINTS

By default, all the information will be stored in the database, and there is use primary key, and not null constraints in all table.

4. SYSTEM ANALYSIS

4.1. STUDY OF CURRENT SYSTEM

The current system does not have any kind of grievance module for their user for complaining and feeding back the response about the decision taken by the head of departments and boards.

The system also needs to provide the privacy for the user's personal details like their email address and its password.

4.2. PROBLEM AND WEAKNESS OF CURRENT SYSTEM

Problem:

- The biggest problem of current system is that it can't provide the data privacy.
- The current system mishandled reservations and double bookings

Weakness:

- The existing system does not have portal system for the visitor.
- budget limitations, lack of in-room technology, poor online reviews, lacking certain facilities, or an outdated website

4.3. REQUIREMENT OF NEW SYSTEM

- The new portal system needs to be implemented for maintaining the data of customer and user online, and providing them some important modules like grievance system.
- The new portal system is also faster in a way accessing as user.
- The user can maintain their privacy.

4.4. REQUIREMENT VALIDATION

The project contains following kind of validations:

❖ **Admin:**

- Admin first has to provide the security key, for visiting the admin login page.
- As admin visits his login page, he has to provide the credentials like email address and password for logging in into admin account of profile.

❖ **User:**

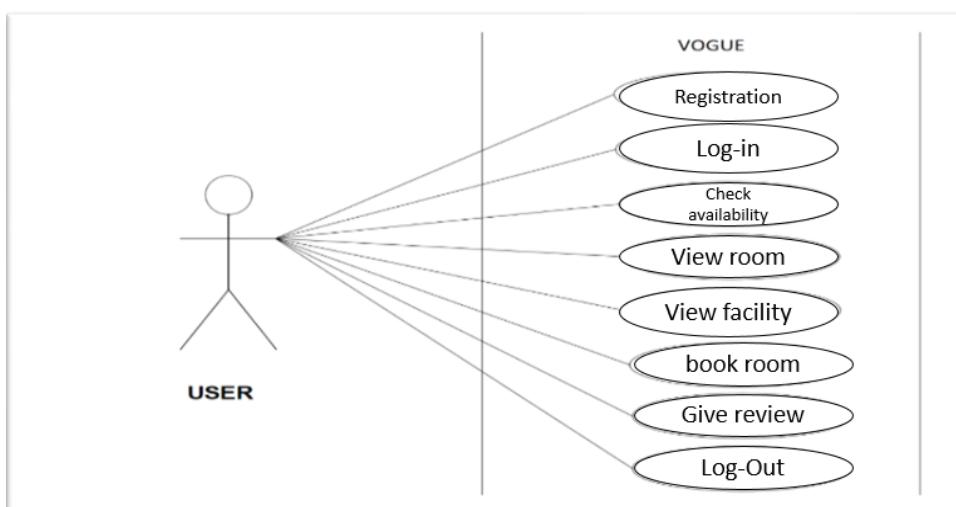
- User contains same login page but they must have to specify some credentials like their username, email address and password for logging into portal.

4.5. FUNCTIONS OF SYSTEMS

4.5.1. Use Case Diagram

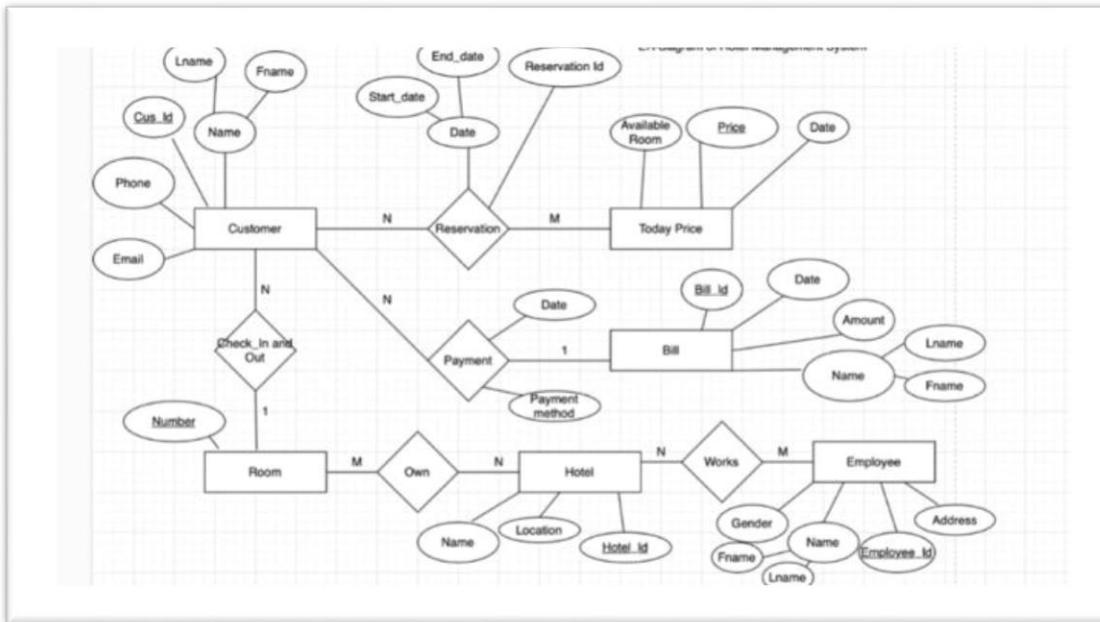
Use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well.

- **Use Case Diagram (Client) :**

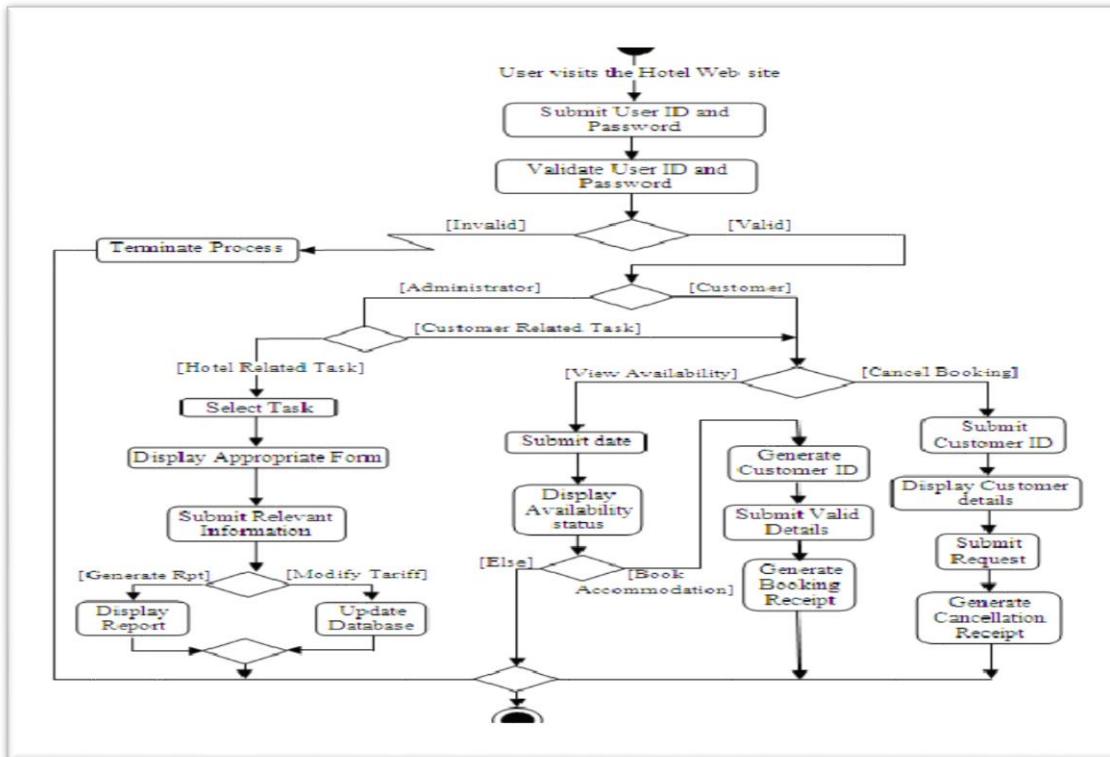


4.6. DATA MODELING

4.6.1 E-R Diagram



4.6.2 System Activity Diagram



4.6.3 Data Dictionary

4.6.3.1 Booking

The screenshot shows the MySQL Workbench interface with the 'booking' table selected. The table has 10 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	hotel_name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	room_no	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
4	username	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
5	email	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
6	checkin	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
7	checkout	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
8	adult	int(11)			No	None			Change Drop More
9	children	int(11)			No	None			Change Drop More
10	total_amount	varchar(1000)	utf8mb4_general_ci		No	None			Change Drop More

4.6.3.2 Hotel_list

The screenshot shows the MySQL Workbench interface with the 'hotel_list' table selected. The table has 7 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	hotel_name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	hotel_img	varchar(500)	utf8mb4_general_ci		No	None			Change Drop More
4	address	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More
5	location	varchar(2000)	utf8mb4_general_ci		No	None			Change Drop More
6	room_price	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
7	city_id	int(11)			No	None			Change Drop More

4.6.3.3 Room_list

The screenshot shows the MySQL Workbench interface with the 'room_list' table selected. The table has 6 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	room_no	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	room_name	varchar(150)	utf8mb4_general_ci		No	None			Change Drop More
4	room_img	varchar(500)	utf8mb4_general_ci		No	None			Change Drop More
5	room_price	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
6	hotel_id	int(11)			No	None			Change Drop More

4.6.3.4 Cities

Server: 127.0.0.1 » Database: travelnest » Table: cities

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)	utf8mb4_general_ci		No	None		AUTO_INCREMENT	Change Drop More
2	city	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
3	img	varchar(500)	utf8mb4_general_ci		No	None			Change Drop More
4	caption	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial

4.6.3.5 Registration

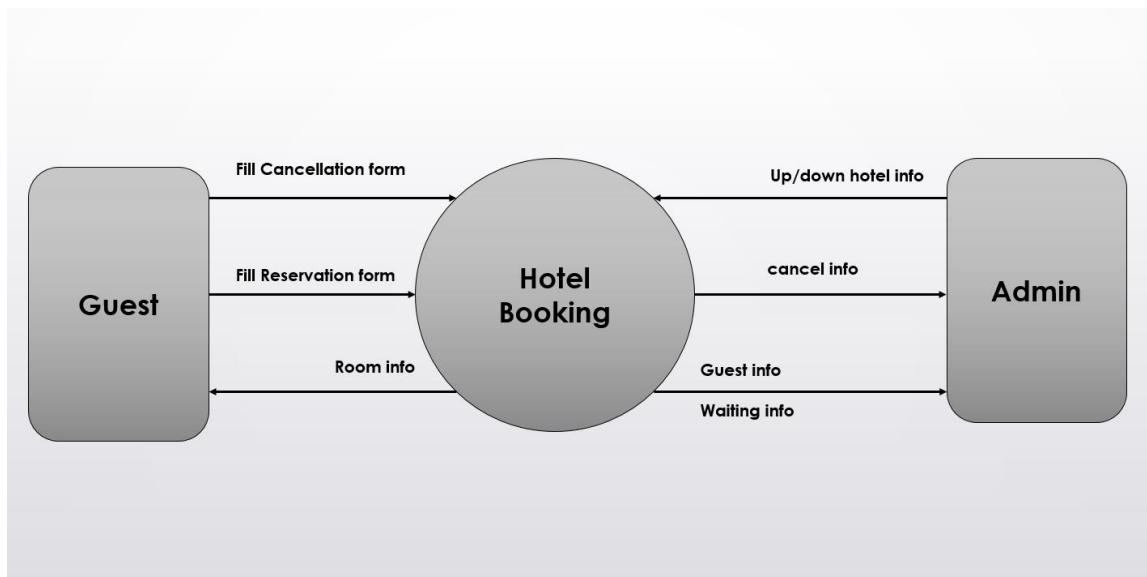
Server: 127.0.0.1 » Database: travelnest » Table: registration

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)	utf8mb4_general_ci		No	None		AUTO_INCREMENT	Change Drop More
2	username	varchar(150)	utf8mb4_general_ci		No	None			Change Drop More
3	email	varchar(150)	utf8mb4_general_ci		No	None			Change Drop More
4	pno	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
5	pic	varchar(500)	utf8mb4_general_ci		No	None			Change Drop More
6	address	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More
7	pincode	varchar(6)	utf8mb4_general_ci		No	None			Change Drop More
8	dob	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
9	password	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

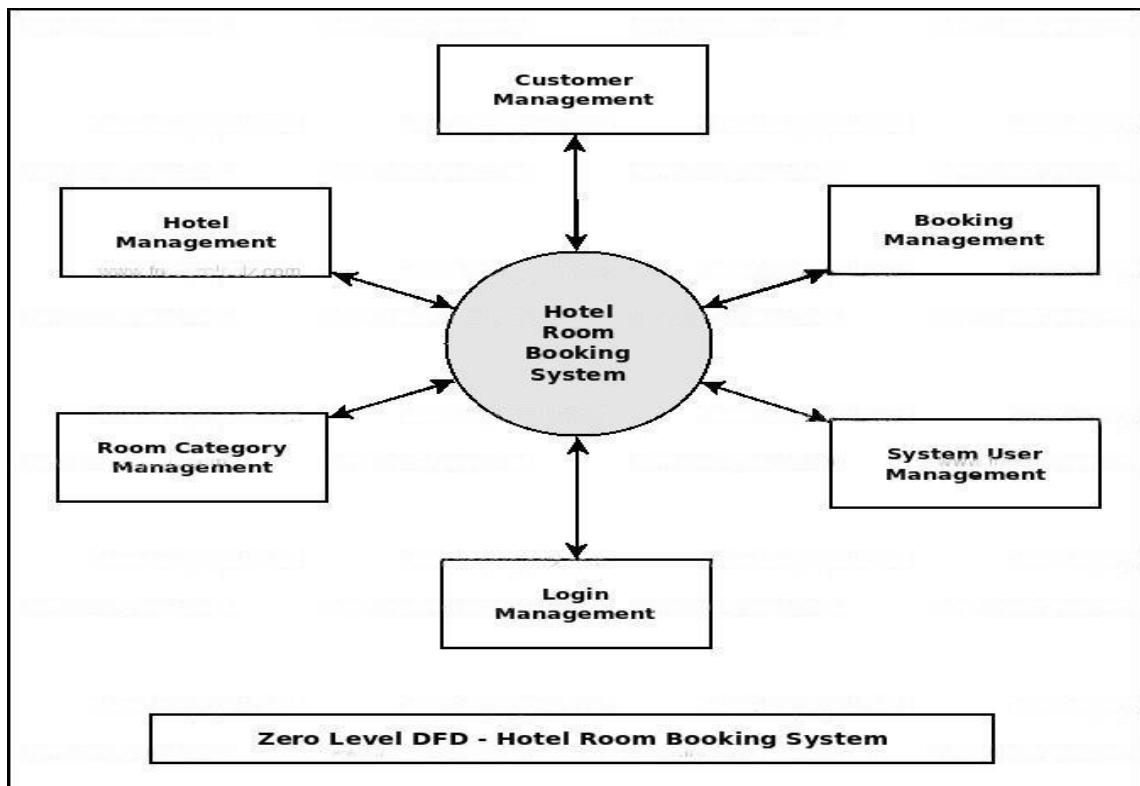
Check all With selected: Browse Change Drop Primary Unique Index Spatial

4.7. FUNCTION AND BEHAVIORAL MODELING

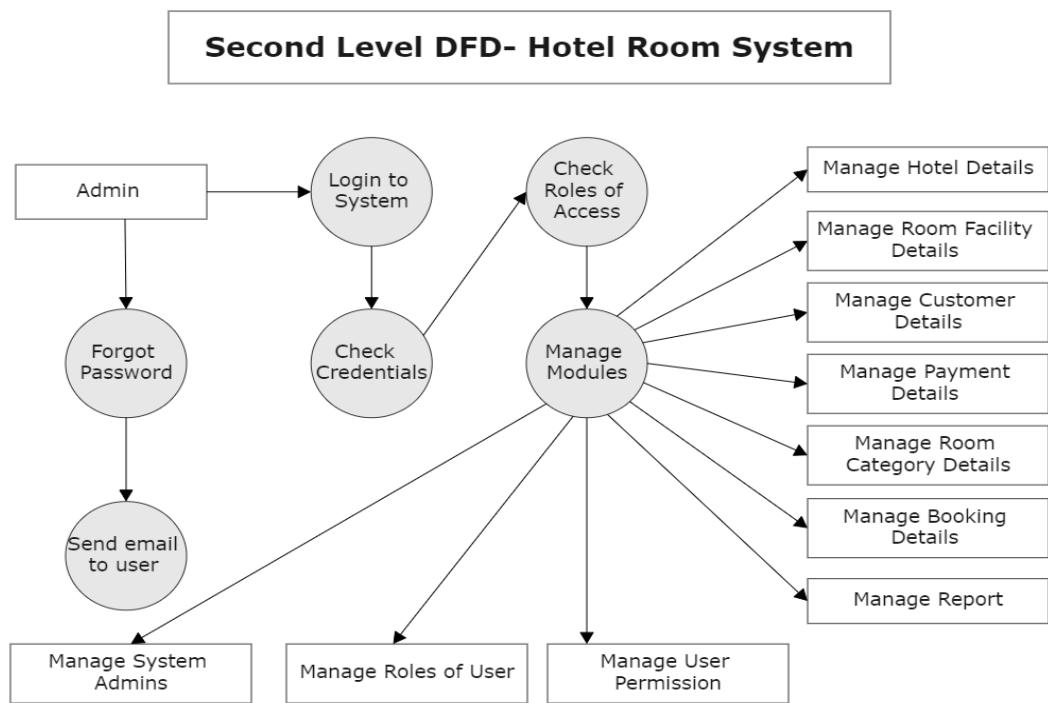
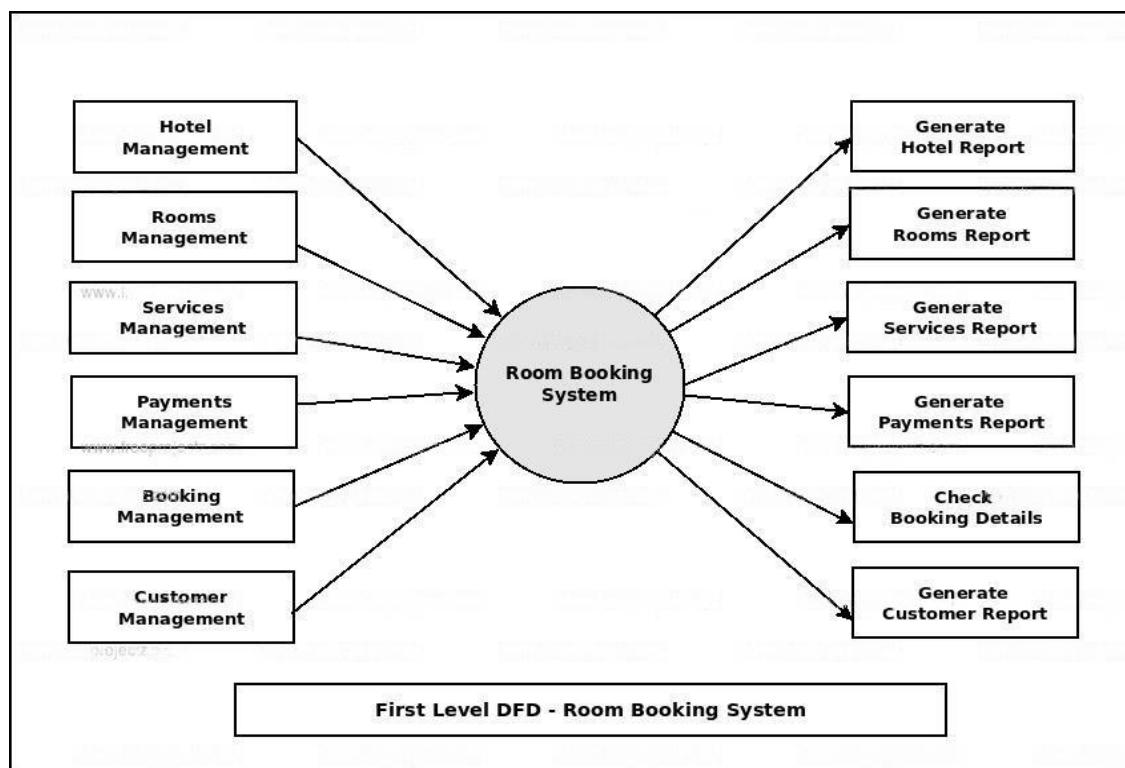
4.7.1 Data Flow Diagram



4.7.2 0 level DFD



4.7.3 1 level DFD & 2 level DFD



4.8. SELECTION OF HARDWARE AND SOFTWARE JUSTIFICATION

Front End Tool	PHP and advance php	<p>PHP is an integrated development environment.</p> <p>Advanced PHP extends the capabilities of standard PHP, providing enhanced features and functionalities for web development.</p>
	XAMPP v3.3.0	WAMPP is a free and open source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server.
Back End Tool	MySQL Server 127.0.0.1	<p>MySQL open source software is provided under the GPL License.</p> <p>MySQL Community Edition is a freely downloadable version of the world's most popular open source database that is supported by an active community of open source developers and Enthusiasts.</p>

Presentation Tool	Microsoft Presentation 2021	Microsoft PowerPoint is a presentation program, created by Robert Gaskins and Dennis Austin at a software company named Forethought, Inc.
Reporting Tool	Microsoft Word 2021	Microsoft Word is a word processor developed by Microsoft.
Operating System	Windows 11 or above	Windows 11 is a personal computer operating system that was produced by Microsoft as part of the Windows NT family of operating systems.

5. SYSTEM DESIGN

5.1 DATABASE DESIGN / DATA STRUCTURE DESIGN

System Design:

System design is an important phase in which quality is fostered in software development design is the process that actually transforms the requirements in to a finished software product (or) system.

Design is the process of translating the requirement prepared during system study into design. The system design phase employs a variety of tools such as entity relationship diagram and so on.

System design is primarily a synthesis function. In designing a new system, one must have a clear picture of what is required and what must be done in order to achieve requirement. Web pages are designed in such a way that it should be easily understandable for a layman.

Database Design:

Database design is the most critical part of the design phase. An elegantly designed, well-defined database can play as a strong foundation for the whole system. Database design transforms the information domain model created during the analysis into the data structure that will be required to implement the software system.

5.2 SYSTEM PROCEDURAL DESIGN

❖ Flow Chart / Activity Chart:

A flowchart is a diagram that depicts a process, system or computer algorithm. They are widely used in multiple fields to document, study, and plan, improve and communicate often complex processes in clear, easy-to-understand diagrams. Flowcharts, sometimes spelled as flow charts, use rectangles, ovals, diamonds and potentially numerous other shapes to define the type of step, along with connecting arrows to define flow and sequence. They can range from simple, hand-drawn charts to comprehensive computer-drawn diagrams depicting multiple steps and

routes. If we consider all the various forms of flowcharts, they are one of the most common diagrams on the planet, used by both technical and non-technical people in numerous fields. Flowcharts are sometimes called by more specialized names such as Process Flowchart, Process Map, Functional Flowchart, Business Process Mapping, Business Process Modelling and Notation (BPMN), or Process Flow Diagram (PFD).

They are related to other popular diagrams, such as Data Flow Diagrams (DFDs) and Unified Modelling Language (UML) Activity Diagrams.

❖ **Components:**

▪ **Terminal/ Terminator**



Represents starting point and ending point of flow chart.

▪ **Process**



Represents process, calculation and task in flowchart.

▪ **Decision**



Represents various decision make statement.

▪ **Data Input / Output**



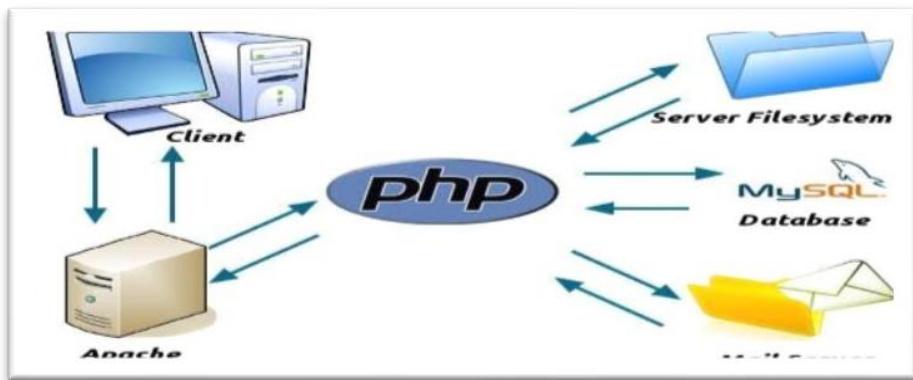
Represents data input and output.

▪ **Flow lines**



Used to represent the flow of the chart.

5.3 SYSTEM ARCHITECTURE DESIGN



Architectural design represents the structure of data and program components that are required to build a computer-based system. Architectural design begins with data design and then proceeds to the derivation of one or more representation of the architectural structure of the system. Following activities are necessary for architectural design process:

- **System structuring:**

The System is structured into number of physical sub-systems where a subsystem is independent software unit.

- **Control modelling:**

A general model of the control relationship between the parts of the system is established.

6. IMPLEMENTATION PLANNING AND DETAILS

6.1. IMPLEMENTATION ENVIRONMENT

- **Admin:**

Admin first has to provide the E-mail and password, for visiting the admin login page.

As admin visits his login page, he has to provide the credentials like E-mail id and password for logging in into admin account of profile.

- **User:**

Customer contains same login page but they must have to specify their E-mail id and password for logging into portal.

6.2. PROGRAM / MODULE SPECIFICATION

Accommodation Selection:

Users can select accommodations based on criteria like location, check-in/check-out dates, and guest count.

Multiple accommodations can be added to the selection, creating a list for comparison and booking.

User Feedback:

User feedback and reviews can be submitted after the stay, providing valuable insights into user satisfaction and enhancing the trustworthiness of the platform.

Booking Confirmation and Receipt:

Upon booking, users receive a confirmation receipt detailing the accommodation, delivery address (if applicable), pricing, and reservation details.

The receipt includes key information such as product images, booking dates, and customer contact details for reference.

6.3. SECURITY FEATURES

Security is of prime concern while carrying out this online system. This system has implemented proper security measures such as creating secure space between client machine and server and proper access rights control is being implemented, so the system will provide the secure environment to each system user on terminal to make work easily as well as return required information in easiest way.

There is sufficient support to the project from the management and from the intended users of the system. The current business methods can very well be incorporated into the proposed system. The proposed system has more chance of being accepted by the intended users.

Our application is very secure. Users cannot login to the system without correct username and password. For that, the user has to be the administrator. Only administrator can edit the system. So users will only get the list of details which is updated by the administrator. So it is very much secure.

6.4. CODING STANDARDS

The coding standard is the well-defined and standard style of coding. With the help of the coding standards any person can go into any code and figure out what's going on and new people can get up to speed quickly. A coding standard ways of doing several things such as the way variables are to be named, the code is to be laid out, the comments are to be described, the work of function are to be carried out.

7. TESTING

7.1 TESTING PLAN

A test plan is the cornerstone of a successful testing implementation. The testing plan represents the overall approach to the test. In many ways, the test plan serves as a summary of the test activities that will be performed. It shows how the tests will be organized, and outlines all of the tester's needs that must be met in order to properly carry out the test.

The goal of test planning is to establish the list of tasks that, if performed, will identify all of the requirements that have not been met in the software. There are many standards that can be used for developing test plans. Early in the deployment planning phase, the testing effort, and identifies the methodology that your team will use to conduct tests. It also identifies the hardware, software, and tools required for testing and the features and functions that will be tested. A well-rounded test plan notes any risk factors that jeopardize testing and includes a testing schedule.

So we can say that Test Planning details the activities, dependencies and effort required to conducting the system test.

7.2 TESTING STRATEGY

The test strategy is a formal description of how a software product will be tested. A test strategy is developed for all levels of testing, as required. The test team analyses the requirements, writes the test strategy and reviews the plan with the project team. The test plan may include test cases, conditions, and the test environment, a list of related tasks, pass/fail criteria and risk assessment.

The purpose of the testing strategy is to define the overall context for the entire testing process. The process is different depending on the specific characteristics of your solution. In many respects, this is the most important part of the testing process, since all future testing decisions will be made within the context of the strategy.

As a programmer, we have to just do a unit testing which is a part of White Box testing. Other type of the testing in each phase of the software is done by

testing department. Unit testing begins at the vertex of the spiral and concentrates on each unit (i.e. component) of the software as implemented in source code.

Unit testing:

Unit testing is a software development process in which the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation. Unit testing is often automated but it can also be done manually.

Unit testing involves only those characteristics that are vital to the performance of the unit under test. This encourages developers to modify the source code without immediate concerns about how such changes might affect the functioning of other units or the most efficient and error-free manner possible, larger components of the program can be evaluated by means of integration testing.

The unit test verifies that the requirements are being met. The unit testing generally tests two types of requirements.

User requirements:

User requirements typically specify some combination of function, performance, data, and workflow.

A general template for this can be illustrated as: The user typically thinks in terms of the user interface, clicking on a button that does something, and having the user interface change as a result. The user also specifies the data, from the presentation level perspective.

The program implements this workflow by decomposed into a set of functions, again, often functions familiar to the customer. Unit testing of the customer requirements therefore consists of several things, each at a different quantization.

Implementation requirements:

During the design/implementation phase, what's really going on is that the programmer is translating the customer requirements to schemas and implementations. The following is a rough idea of this concept.

Unit tests that test implementation requirements are often different from unit tests that test user requirements.

- Translating between user data presentation to more optimal internal data presentation.
- Translating functions into objects.
- Translating data store into schemas.

7.3 TESTING METHODS

There are mainly two strategies:

1. Black box testing:

Black box testing is testing without knowledge of the internal workings of the item being tested. For example, when black box testing is applied to software engineering, the tester would only know the legal inputs and what the expected outputs should be, but not how the program actually arrives at those outputs. It is because of this that black box testing can be considered testing with respect to the specifications, no other knowledge of the program is necessary. For this reason, the tester and the programmer can be independent of one another, avoiding programmer bias toward his own work. For this testing, test groups are often used. Also, due to the nature of black box testing, the test planning can begin as soon as the specifications are written.

2. White box testing:

White box testing strategy deals with the internal logic and structure of the code. White box testing is also called as glass, structural, open box or clear box testing. The tests written based on the white box testing strategy incorporate coverage of the code written, branches, paths, statements and internal logic of the code etc. In order to implement white box testing, the tester has to deal with the code and hence is needed to possess knowledge of coding and logic i.e. internal working of the code. White box test also needs the tester to look into the code and find out which unit/statement/chunk of the code is

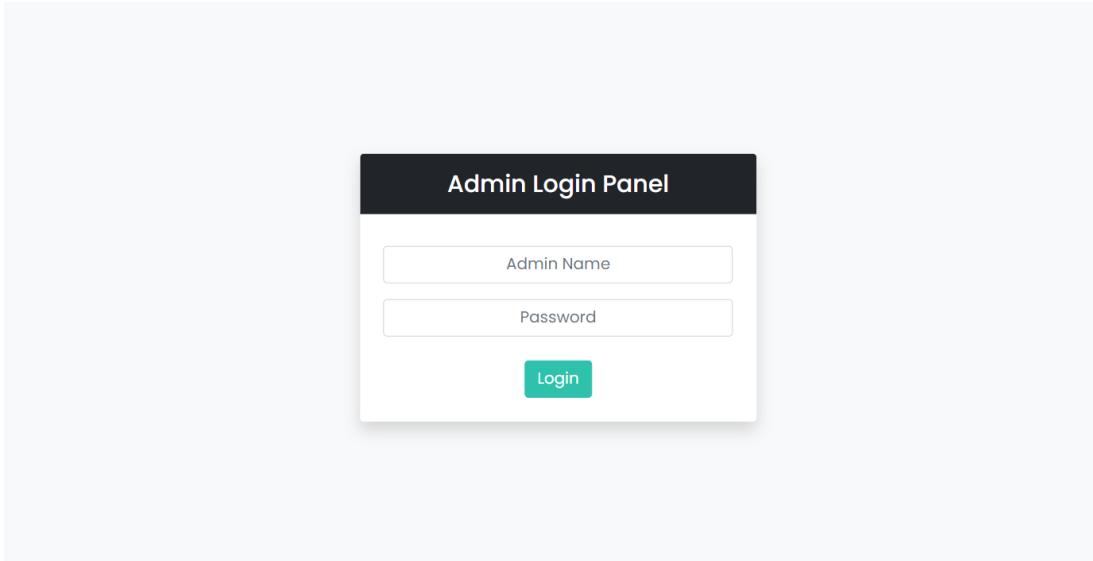
malfunctioing.

The white box testing has also some advantages like as the knowledge of internal coding structure is prerequisite. It becomes very easy to find out which type of input/data can help in testing the application effectively. It helps in optimizing the code. It helps in removing the extra lines of code, which can bring in hidden defects.

8. SCREENSHOTS AND USER MANUALS

8.1 SCREENSHOTS (Admin):

8.1.1 Admin Login page:



8.1.2 Admin:

Admin List		
ID	Name	Add
1	roxit	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
2	divya	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

8.1.3 Add Admin:

TravelNest

ADMIN PANEL

- Admin List
- City List
- Hotel List
- Room List

Admin List

ID	Name
1	raxit
2	divya

Add admin

Name:

Password: Show Password

CANCEL **Add**

8.1.4 Edit Admin:

TravelNest

ADMIN PANEL

- Admin List
- City List
- Hotel List
- Room List

Admin List

ID	Name
1	raxit
2	divya

Edit admin

Name: raxit

Password: 2704 Show Password

CANCEL **Edit**

8.1.5 City:

TravelNest

ADMIN PANEL

- Admin List
- City List
- Hotel List
- Room List

City & Place

ID	Name	Img Link
1	Ahemdabad	https://ngs-space1.sgp1.digitaloceanspaces.com/am/uploads/mediaGallery/image/1658653042367.jpg-org
2	Delhi	https://cf.bstatic.com/xdata/images/city/600x600/684765.jpg?k=3f7d20034c13ac7686520ac1ccf1621337a1e59860abfd9cb95f8d66b4fc138&o=
3	Chennai	https://cf.bstatic.com/xdata/images/city/600x600/684730.jpg?k=e37b93d88cfe1e827f10c9d6909a1def7349be2c68df5de885deaa4bc0lee3&o=
4	Mumbai	https://cf.bstatic.com/xdata/images/city/600x600/971346.jpg?k=40eeb583a755f2835f4dcba6900cdeba2a48dc9d50e64f2aa04206f5f6fce567&o=
5	Pune	https://th.bing.com/th?id=OIP.RbTpssqC0cWpp6MmbZDgT7gHaD4&q=Pune+City+Centre&w=120&h=120&c=1&rs=1&qlt=90&cb=1&dpr=1.3&pid=InlineBlock&mkt=en-IN&cc=IN&setlang=en&adlt=moderate&t=1&mw=247
6	Udaipur	https://th.bing.com/th?id=OIP.RbTpssqC0cWpp6MmbZDgT7gHaD4

8.1.6 Add City:

TravelNest

ADMIN PANEL

- Admin List
- City List
- Hotel List
- Room List

City & Place

ID	Name	Image
1	Ahemdabad	http://spacetech.org
2	Delhi	https://cf.bstatic.com/xdata/images/city/600x600/684730.jpg?k=3f7d20034c13ac7886520aclccf1621337ale59860abfd9cb96f8d66b4fc138&o=
3	Chennai	https://cf.bstatic.com/xdata/images/city/600x600/684730.jpg?k=e37b93d88c1fe2e827ff0c9d909a1def7349be2c68df5de885deaa4bc0lee3&o=
4	Mumbai	https://cf.bstatic.com/xdata/images/city/600x600/971346.jpg?k=40eeb583a755f2835f4cb6900cddeba2a46dc9d50e64f2aa04206f5f6fce5671&o=
5	Pune	https://th.bing.com/th/?q=Pune+City+Centre&w=120&h=120&c=1&s=1&qlt=90&cb=1&dpr=1.3&pid=InlineBlock&mkt=en-IN&cc=IN&setlang=en&adlt=moderate&t=1&mw=247
6	Udaipur	https://th.bing.com/th/id/OIP.RbTpsqC0cWpp6MmbZDgT7gHaD4?

8.1.7 Edit City:

TravelNest

ADMIN PANEL

- Admin List
- City List
- Hotel List
- Room List

City & Place

ID	Name	Image
1	Ahemdabad	http://spacetech.org
2	Delhi	https://cf.bstatic.com/xdata/images/city/600x600/684730.jpg?k=3f7d20034c13ac7886520aclccf1621337ale59860abfd9cb96f8d66b4fc138&o=
3	Chennai	https://cf.bstatic.com/xdata/images/city/600x600/684730.jpg?k=e37b93d88c1fe2e827ff0c9d909a1def7349be2c68df5de885deaa4bc0lee3&o=
4	Mumbai	https://cf.bstatic.com/xdata/images/city/600x600/971346.jpg?k=40eeb583a755f2835f4cb6900cddeba2a46dc9d50e64f2aa04206f5f6fce5671&o=
5	Pune	https://th.bing.com/th/?q=Pune+City+Centre&w=120&h=120&c=1&s=1&qlt=90&cb=1&dpr=1.3&pid=InlineBlock&mkt=en-IN&cc=IN&setlang=en&adlt=moderate&t=1&mw=247
6	Udaipur	https://th.bing.com/th/id/OIP.RbTpsqC0cWpp6MmbZDgT7gHaD4?

8.1.8 Hotel:

TravelNest

ADMIN PANEL

- Admin List
- City List
- Hotel List
- Room List

Hotel List

ID	Name	Image	Address	Location	Room-price/Night	City-ID
1	Ebony Residency	https://media.ease-mytrip.com/media/Hotel/Shl-19052146671493/Common/CommonOVGIOC.jpg	Sarkhej - Gandhinagar Hwy Behind Apex Heart Institute Near Gurudwara West End Park Thaltej Ahmedabad Gujarat 380054	https://www.google.com	₹2,553/-	1
2	Lvh Om Sanctuary Palace Resort	http://media.easemytrip.com/media/Hotel/Shl-2212847153062/Common/Common/lnk6.jpg	Lvh Om Sanctuary Palace Aniyari Village Sonand - Nalsarovar Rd Nalsarovar Vekariya Gujarat 382110	https://www.google.com	₹2,614/-	1
3	Hotel El Dorado	https://media.ease-mytrip.com/media/Hotel/Shl-19052146671493/Common/CommonOVGIOC.jpg	Opp Shree Krishna	https://www.google.com	₹2,805/-	1

8.1.9 Add Hotel:

The screenshot shows the 'TravelNest' Admin Panel. On the left, there's a sidebar with 'ADMIN PANEL' and links to 'Admin List', 'City List', 'Hotel List', and 'Room List'. The main area has a 'Hotel List' table with columns 'id', 'Name', and 'Image'. Three rows are listed: 1. Ebony Residency, 2. Lyh Om Sanctuary Palace Resort, and 3. Hotel El Dorado. A modal window titled 'Add Hotel' is open, containing fields for 'Name', 'Image Link', 'Address', 'Location', and 'Room-Price/Night'. The 'Room-Price/Night' field has a placeholder 'Enter room price'. Below the modal is a table for 'Room-price/Night' with rows for 2,553/-, 2,614/-, and 2,805/-, each associated with a city ID of 1. Buttons for 'Edit' and 'Delete' are visible.

8.1.10 Edit Hotel:

This screenshot shows the 'Edit Hotel' dialog for the first hotel entry in the list. The 'Name' field is set to 'Ebony Residency'. The 'Image link' field contains a URL to an image. The 'Address' field is 'Sarkhej - Gandhinagar Hwy Behind Apex Heart Institute'. The 'Location' field is a Google Maps URL. The 'Room Price' field shows '2,553'. The 'City-id' dropdown is set to '1-Ahmedabad'. The background shows the same hotel list and room price table as the previous screenshot.

8.1.11 Room:

The screenshot shows the 'ROOMS' list in the Admin Panel. The table has columns 'id', 'Room No', 'Room Name', 'Room Img', 'Room-price/Night', and 'hotel-id'. Three rows are listed: 1. Room 101 (Deluxe King Room Bed), 2. Room 102 (Luxury Room King Bed), and 3. Room 103 (Luxury Room Twin Bed). Each row includes 'Edit' and 'Delete' buttons. The 'Room Img' column shows URLs for room images, and the 'Room-price/Night' column shows prices of 27,250/-, 27,750/-, and 28,250/- respectively.

8.1.12 Add Room:

Add Room

id	Room No
1	101
2	102
3	103

Room No:

Room Name:

Room Img:

Room-Price/Night: Enter room price

hotel-id: I-Ebony Residency

CANCEL **Add**

NJMLR.jpg

8.1.13 Edit Room:

Edit Room

id	Room No
1	101
2	102
3	103

Room_no: 101

Room_name: Deluxe King Room Bed

Room_img: https://img.easemytrip.com/roomimages/EMTHotel-18

Room_Price: 7,250

hotel_id: I-Ebony Residency

CANCEL **Edit**

NJMLR.jpg

8.2 SCREENSHOTS (User):

8.2.1 Login Page:

The screenshot shows the TravelNest login interface. At the top, there's a navigation bar with 'TravelNest', 'Home', and 'About Us' links, and 'Login' and 'Register' buttons. A large banner in the background says 'Hotel in India' and 'Enter your dates and choose from 72,636 hotels'. In the center, a modal window titled 'User Login' has fields for 'Email address' and 'Password', a 'LOGIN' button, and a 'Forgot Password?' link. Below the modal are dropdown menus for 'City' (set to 'select a city') and 'Check-in' date (dd-mm-yyyy), and a dropdown for 'Children' (set to 'Zero'). A green 'Submit' button is in the bottom right of the modal.

8.2.2 Registration Page:

The screenshot shows the TravelNest registration interface. At the top, there's a navigation bar with 'TravelNest', 'Home', and 'About Us' links, and 'Login' and 'Register' buttons. A large banner in the background says 'Hotel in India' and 'Enter your dates and choose from 72,636 hotels'. In the center, a modal window titled 'User Registration' has fields for 'Username' and 'Email', 'Phone Number' and 'Picture' (with a file upload button and placeholder 'No file chosen'), 'Address', 'Pincode' and 'Date of birth' (with a date picker), and 'Password' and 'Confirm Password'. A note at the top of the modal reads: 'Note: Your details must match with your ID(Aadhaar card, passport, driving license , etc.) that will be required during check-in.' A green 'REGISTER' button is at the bottom of the modal.

8.2.3 Home Page:

TravelNest Home About Us Login Register

Hotel in India
Enter your dates and choose from 72,636 hotels and other places to stay!

City: Check-in: Check-out: Adult: Children:

Book Hotels at Popular Destinations



Ahmedabad



Delhi



Chennai



Mumbai

Our Top Hotel Chains

Travelnest has a wide range of luxury and budget-friendly hotel chain properties. We have picked the finest hotels in India with world-class amenities. We bring you not only a stay option but an experience in your budget to enjoy the luxury. We make sure that all the hotels are safe, hygienic, comfortable, and easily approachable when it comes to location. Book your hotel with Travelnest and don't forget to grab an amazing hotel deal to save huge on your stay.


















Why Book Hotels with Travelnest.com?



Extensive Hotel Options
Best hotels available for different destinations to offer you the stay of a lifetime.



Savings on Hotel Booking
Enjoy hotel bookings with the best offers and discounts and make your stay unforgettable.



Hotel Ratings
All our hotels have good ratings on Trip Advisor and are recommended by users.



Best Price
Get excellent hotels/resorts at the best prices to pamper your desires.

FAQ's

How can I save while booking hotels ?

Can I book a hotel with a local id?

How can I get early check-in or late check-out in a hotel?

How can unmarried couples book hotels in india?

How can I book cheap hotel rooms in 5 star hotels?

How to book hotel online?

TravelNest

Welcome to TravelNest, where your ideal stay begins. Find the perfect hotel for your next adventure with our curated selection. Book now for exclusive deals and seamless booking experience. From luxury resorts to cozy bed and breakfasts, discover a world of accommodation options tailored to your preferences. Start planning your dream getaway with TravelNest today!

Links

[Home](#)
[About Us](#)
[Term & conditions](#)
[Privacy Policy](#)

Follow us

[Twitter](#)
[Facebook](#)
[Instagram](#)

Designed and Developed by Raxit

8.2.4 Hotel Page:

TravelNest
[Home](#) [About Us](#)
[Login](#) [Register](#)

HOTELS



Taj Skyline, Ahmedabad
Ahmedabad

Free Cancellation

EMTSTAY Discount Applied

₹ 7,250
per night

View Room



Ebony Residency
Ahmedabad

Free Cancellation

₹ 2,553

[KBSSC – BCA 6]

8.2.5 Room Page:

TravelNest Home About Us Login Register

OUR ROOMS

Taj Skyline, Ahmedabad
Sankalp Square Iii Opp Saket 3 Nr. Nilkanth Green Sindhubhavan Road Shilaj,



Deluxe Studio Room	₹7,250 base price(Per Night)			
Check-in : 12:00 PM	Check-in : 11:00 AM			
WiFi	Heater	Food	Spa	Ac
Select Room		Book Now		

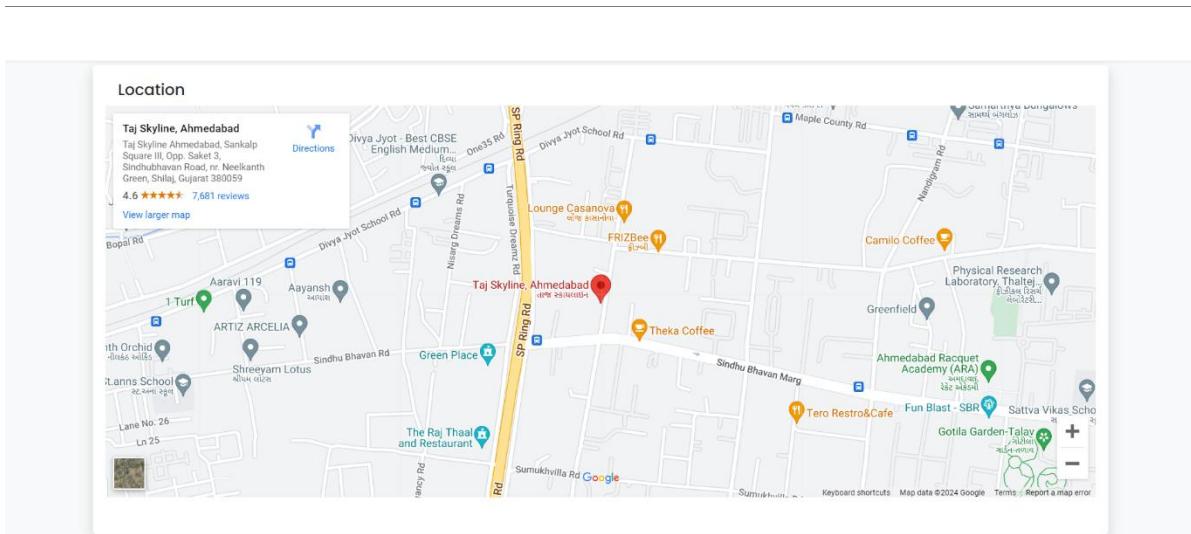
TravelNest Home About Us Login Register

Rooms Amenities Location Booking Policy

	Deluxe King Room Bed	per Night price
Room Facilities	₹ 7250 base price(Per Night)	
hairdryer air-conditioning-centrally Tv double-bed tea-coffee-maker	Book Now	
	Luxury Room King Bed	per Night price
Room Facilities	₹ 7750 base price(Per Night)	
hairdryer air-conditioning-centrally Tv	Book Now	

AMENITIES

Facilities	Bar	restaurants	conference-room	internet-access	wlan-access	room-service			
Meals	breakfast-buffet								
Object Information	fax	telephone-hotel							
Room Facilities	bathroom	shower	hairdryer	air-conditioning-centrally	Tv	double-bed	tea-coffee-maker		
Sport/Entertainment	number of pools	steam bath					massage	gym	sauna



Booking Policy

- As per the government regulations, every guest above the 18 years has to carry a valid Photo ID. The identification proofs can be Driving License, Voters Card, Passport and Ration Card. Without valid ID, guests will not be allowed to check in.
- EaseMyTrip.com will not be responsible for the check-in denied by the hotel due to the above-mentioned reason.
- The primary guest checking-in to the hotel must be minimum of 18 years old. Children accompanying adults may be between 1 and 12 years.
- Guests will be charged for extra bed, food and other facilities which are not mentioned in the booking and may vary as per the hotel.
- If an extra bed is included in your booking, you may be provided with a folding cot or a mattress as an extra bed (depends on hotel).
- Generally, check-in / check-out time varies from hotel to hotel and can be checked on the confirmation voucher. However, for early check-in or late check-out, you are advised to confirm the same directly from the concerned hotel.
- The room tariff is inclusive of all taxes but the amount paid does not include charges for any additional services and facilities (such as room service, mini bar, snacks or telephone calls). These services will be charged by the hotel at the time of check-out.
- If the hotel denies accommodation to the guests posing as a 'couple' on not providing suitable ID proof, EaseMyTrip.com will not be responsible for this condition and won't provide any refund for such bookings.
- The hotel reserves the right to decline accommodation to locals/city residents. EaseMyTrip.com will not be responsible for any check-in declined by the hotel or any refunds due to the above-mentioned reason.
- For any modifications, users have to pay applicable cancellation/modification charges. Modified bookings will be subject to availability and may depend on the booking policy of the hotel. The cancellation/modification charges are standard and any waiver is on the discretion of the hotel.
- In case of cancellation or modification, entire benefit (discount / cash back) on the actual booking amount will be forfeited.

Similar Hotels



Ebony Residency

2,553
(Per Night)

[View Room](#)



LvOm Sanctuary Palace Resort

2,614
(Per Night)

[View Room](#)



Hotel El Dorado

2,805
(Per Night)

[View Room](#)



**Keys Select By Lemon Tree Hotels,
Gandhi Ashram,
Ahmedabad**

3,096
(Per Night)

[View Room](#)

8.2.6 Booking:

TravelNest Home About Us Logout

Taj Skyline, Ahmedabad
📍 Sankalp Square Iii Opp Saket 3 Nr. Nilkanth Green Sindhubavan Road Shilaj.

Deluxe King Room Bed
Room No : 101

₹7250 (per Night)



Book Room

Your Name	Your email
raxit gonda	gondaliyarakshit@gmail.com

Your booking details will be sent to this email address.

Check In Check Out

05-04-2024 06-04-2024

Select Adult Select Child

Two Zero

Total Amount: ₹ 14500.00

I understand and agree to the rules of this fare, the Terms & conditions and privacy policy of EasyMyTrip

Book Now

8.2.7 About us Page:

TravelNest Home About Us Login Register

ABOUT US

TravelNest commenced its operations in 2008 by focusing on the B2B2C (business to business to customer) distribution channel and providing travel agents access to its website to book domestic travel airline tickets in order to cater to the offline travel market in India. Subsequently, by leveraging its B2B2C channel, the company commenced operations in the B2C (business to customer) distribution channel in 2011 by primarily focusing on the growing Indian middle class population's travel requirements. With our presence in the B2B2C and B2C channels, we were able to commence operations in the B2E (business to enterprise) distribution channel in 2013 with the aim of providing end-to-end travel solutions to corporates. Our presence in three distinct distribution channels provide us with a diversified customer base and wide distribution network.

We have been providing customers with the option of no-convenience fee, such that customers are not required to pay any service fee in instances where there are no alternate discount or promotion coupon being availed. In our pricing model, we have endeavored to avoid hidden costs, which result in increasing the final price payable by the customer.

We believe that the strength of our brand, the quality of our services, our user-friendly websites (www.TravelNest.com and www.TravelNest.in), android and iOS based mobile applications (TravelNest), our customer centric approach, as well as our efficient marketing programs have enabled us to develop significant market share in the domestic airline ticket business in India. In Fiscal 2019, GoAir, and SpiceJet, recognized us as amongst the top travel partners in terms of revenue and passenger count. The strength of our brand has increased significantly over the years.

We have a dedicated in-house technology team focused on developing a secure, advanced and scalable technology infrastructure and software. Our technology-enabled infrastructure and systems have enabled us to operate and maintain an efficient and lean organization related to the size of our operations. We have not required any equity infusion subsequent to our original incorporation requirements, and we have historically financed our working capital requirements and the expansion of our business and operations primarily through funds generated from our operations and debt financing./



Our Products & Services

We offer a comprehensive range of travel-related products and services catering to the needs of passengers traveling domestically, as well as traveling to and from international destinations. We provide the customers with various tools and information that they need to research, plan, book and purchase travel products and services in India as well as outside India. We offer our products and services online through our websites and mobile applications, and use data and analytics to personalize the customer experience on our websites and mobile applications, based on past searches and purchasing history, which we believe increases engagement and likelihood of purchase.

We believe that we have been able to develop relationships across our portfolio of suppliers for airlines, hotels, holiday packages, buses and taxis. We have dedicated teams managing our existing relationships and enhancing and developing new relationships with airlines and hotel chains. Our supplier relationship teams negotiate agreements with suppliers for access to travel inventory and also monitor supplier-sponsored promotions.

Our products and services are organized primarily in the following segments:



Hotel Booking

Get the best deals on luxurious hotels, resorts and villas based on different preferences and budgets

Our Strengths

- One of the leading online travel agencies in India with a customer focused approach, including the option of no-convenience fee
- Features like 'no convenience fees' and 'no hidden cost' have been an integral part of our platform since our inception.
- Consistent track record of financial and operational performance with lean and cost efficient operations
- In-house advanced technology and analytics capabilities
- Wide distribution network supported by a hybrid platform
- Experienced management team with an established track record



8.2.8 Term & Conditions:

TravelNest

[Home](#) [About Us](#)

[Login](#) [Register](#)

Terms & conditions

The travel site www.travelnest.com, mobile site and Smartphone App Platforms like iOS and Android are maintained by Easy Trip Planners Ltd. It is an IATA certified travel company existing compliant with the laws of the Republic of India. By accessing or using this site or using any of its services, you are agreed on terms and conditions mentioned below, including any supplementary guidelines and future modifications.

TravelNest may change, alter or remove any part of these below written Terms and Conditions without any prior notice. Any changes done in this Terms and Conditions of Use will be applicable the moment they are posted on the site. You need to re-check the "Terms & Conditions" link to be fully aware of the entire scenario.

1. Agreement between the Clients & TravelNest:

While accessing, using, browsing or make booking through Travelnest.com, users have to accept that they are agreed to the terms and conditions of our portal. In case of any violation, Easy Trip Planners Ltd. and its subsidiaries (including Travelnest) reserve all the rights for taking any legal actions against them.

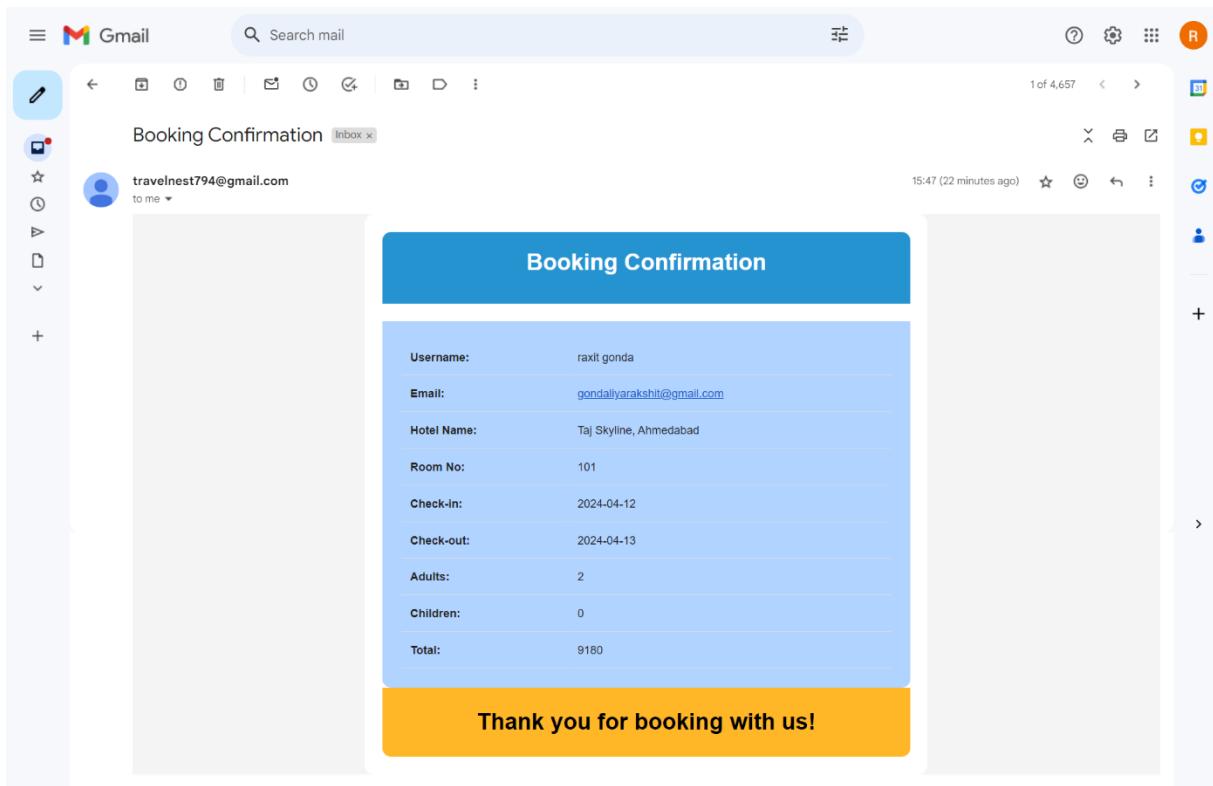
2. Prices on the Website:

Service Charge, Cancellation Charge, Reschedule charge are inclusive of GST

The price, which we offer on Travelnest, is generally includes accommodation charges, taxes (unless specified otherwise) and in special cases some meals (Breakfast /Lunch / Dinner). It never comprises any personal expense or other additional charges like telephone calls, personal-man services, entrance fees of any monuments and bar charges, etc.

While Travelnest offers the lowest fares, the same is subject to the availability of seats, selection of specific sector, timing of booking and terms and conditions of the airline/third-party service provider/operator etc.

8.2.9 Booking Conformation Mail:



9. LIMITATION AND FUTURE ENHANCEMENT

9.1 LIMITATION:

The system has following limitations:

- Less functional than other systems.
- Does not suitable for Mobile View.
- Have used MySQL for storing the data.
- Not much detailed and properly analysed.
- It doesn't provide product return facility as well as order cancellation facility.

9.2 FUTURE ENHANCEMENT:

All the above-mentioned limitations can be fulfilled in the future work. After fulfilling limitations, the system will be in a good position in terms of security and performance.

The following task can be performed to fulfill limitations and as a work of future enhancements:

- Perform further analysation and design new modules.
- Make use of Bootstrap and make it suitable for Mobile View.
- Convert database provider from MySQL to Oracle.
- Upgrade the user interface.
- Provide product return facility as well as order cancellation facility.

10. CONCLUSION

In summary, a hotel booking website is a vital tool in today's travel industry. It serves as a user-friendly and efficient platform that empowers travelers to easily explore, compare, and secure accommodations for their journeys. This convenience stems from the wealth of information provided, making the decision-making process straightforward and trustworthy. Travelers can browse a diverse range of lodging options to suit their preferences and budgets, ensuring that their travel plans align with their expectations.

Notably, these platforms also work to the advantage of hoteliers and property owners. By harnessing the technology offered by hotel booking websites, they can optimize their occupancy rates and revenue streams. It creates a mutually beneficial ecosystem where travelers find the perfect places to stay, and providers achieve increased bookings and profitability.

Moreover, the hotel booking industry shows a promising future. It's marked by a commitment to continuous improvement, ensuring that the platforms evolve to meet the ever-changing needs of travelers. The global reach of these platforms is expanding, promising access to accommodations in a wider range of international destinations. There's also a growing emphasis on sustainability, with eco-friendly lodging options becoming more prevalent to cater to environmentally-conscious travelers.

In essence, hotel booking websites are not just tools for travelers; they are transformative platforms that shape the way we plan our trips and how accommodations providers operate. They provide ease, reliability, and diversity in the world of travel, and their continued growth promises an even brighter future for both those on the move and those who host them.

11. REFERENCES

- 1) Mackmytrip - (<https://www.makemytrip.com/>)
- 2) Agoda - (<https://www.agoda.com/>)
- 3) Trivago - (<https://www.trivago.in/>)