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1. INTRODUCTION

The introduction of the software requirements specification will provide a detailed description of the requirements for the online room booking system. The Build My Trip will allow for a complete understanding of what is to be expected from the newly introduced system is to be constructed. The clear understanding of the system and its functionalities will allow for the correct software to be developed for the end-user and will be used for the development of the future stages of the project. This Build My Trip will provide the foundation for the project. From the Build My Trip the online room booking can be designed, constructed, and finally tested.

1.1 PURPOSE

- The purpose of this document is to present a detailed online room booking system.
- It will explain the different functional as well as non-functional requirements of the system, the interfaces of the system, what the system will do or how the system will interact with the external users.
- This software requirement specification document will provide a clear understanding of what is expected by the client in the proposed online room booking system.

1.2 INTENDED AUDIENCE AND READING SUGGESTIONS

- This will help the people of the long distances who would stay in hotels.
- It would be comfortable for them to search for rooms with their mobiles in their hand.

1.3 PROJECT SCOPE

There will be explained in details in 3-functional requirements sections. There are three types of end users for this room booking system.

- The first ones are the customers who uses the system for the reservation purpose.

- The other end users are the admin user the management users who are given several authentications to the hotel management system.
- The booking module is used to reserve the hotel rooms. The customer can book the rooms through online.

2.OVERALL DESCRIPTION

Describe the general factors that affect the products and its requirements. This section does not state specific requirements.

Instead, it provides a background for those requirements.

2.1 PRODUCT PERSPECTIVE

- The room details- It includes the original details of all the rooms with type of bed rooms.
- Customer descriptions- It includes customer code, name, address, and phone number.
- This information may be used for keeping the records of the customer for any emergency or any other kind of information.
- Room booking descriptions- It includes customer id number, place, date of booking, type of room.

2.2 PRODUCT FEATURES

The user must have the access to up-to-date information about the room including

- Room number
- Hotel name
- Location

2.3 USER ENTITY

The user have to use the software properly and should be obedient to the owners as to book the room when there is necessary and by not booking unnecessarily.

2.4 OPERATING ENVIRONMENT

Operating environment for the hotel room database is as listed bellow

- Distributed database
- Client/server system
- Operating system: windows

2.5 DESIGN AND IMPLEMENTATION CONSTRAINT

- The global schema, fragmentation, allocation schema.
- Implement the database at list using a centralized database management system.

2.6 ASSUMPTION DEPENDENCIES

Let us assume that this is a hotel database system and is used in the following application

- A request for booking/cancellation of room in any type.
- Assuming both the transactions are single transactions, we have designed a distributed database that is geographically dispersed at four cities.

3.EXTERNAK INTERFACE REQUIREMENTS

3.1 USER INTERFACES

- Keyboard
- Mouse
- Front-end software
- Back-end software

3.2 HARDWARE INTERFACES

- Windows
- Browser which supports HTML and java script
- Processor - Intel chipset
- Memory- 200Gb
- Hard drive capacity-1TB

3.3 COMMUNICATION ITERFACES

- The project supports all types of web browsers
- We are using simple electronic forms for room booking system.

- The system shall be a standalone product that does not require any communication interfaces.

4.SYSTEM FEATURES

There are many features for the user as they can utilize.

4.1 FUNCTIONAL REQUIREMENTS

- Any one can book the room from anywhere they are necessary to book the room.
- They can book the room by paying cash online only or by paying when they are leaving the room.

5.OTHER NON-FUNCTIONAL REQUIREMENTS

5.1 PERFORMANCE REQUIREMENTS

The steps involved to perform the implementation of hotel database as listed below

- Performance requirements define acceptable response time for system functionality.
- The load time for user interface screens shall take no longer than two seconds.
- The log in information shall be verified within five seconds.
- Queries shall return results within five seconds.

5.2 SAFETY REQUIREMENTS

If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disc crash, the recovery method restores a past copy of the database that was backed up to archival storage and reconstructs a more current state by reapplying or recording the operations of committed transactions from the backed up log, up to the time of failure.

5.3 SECURITY REQUIREMENTS

Security systems need database storage just like many other applications. However, the special requirements of the security market mean that vendors must choose their database system carefully. customer service representatives and managers will be able to log in to the hotel management system. customer service representatives will have access to the

reservation/booking and food subsystems. Access to the various subsystems will be protected by user log in screen that requires a user name and password

5.4 SOFTWARE QUALITY ATTRIBUTES

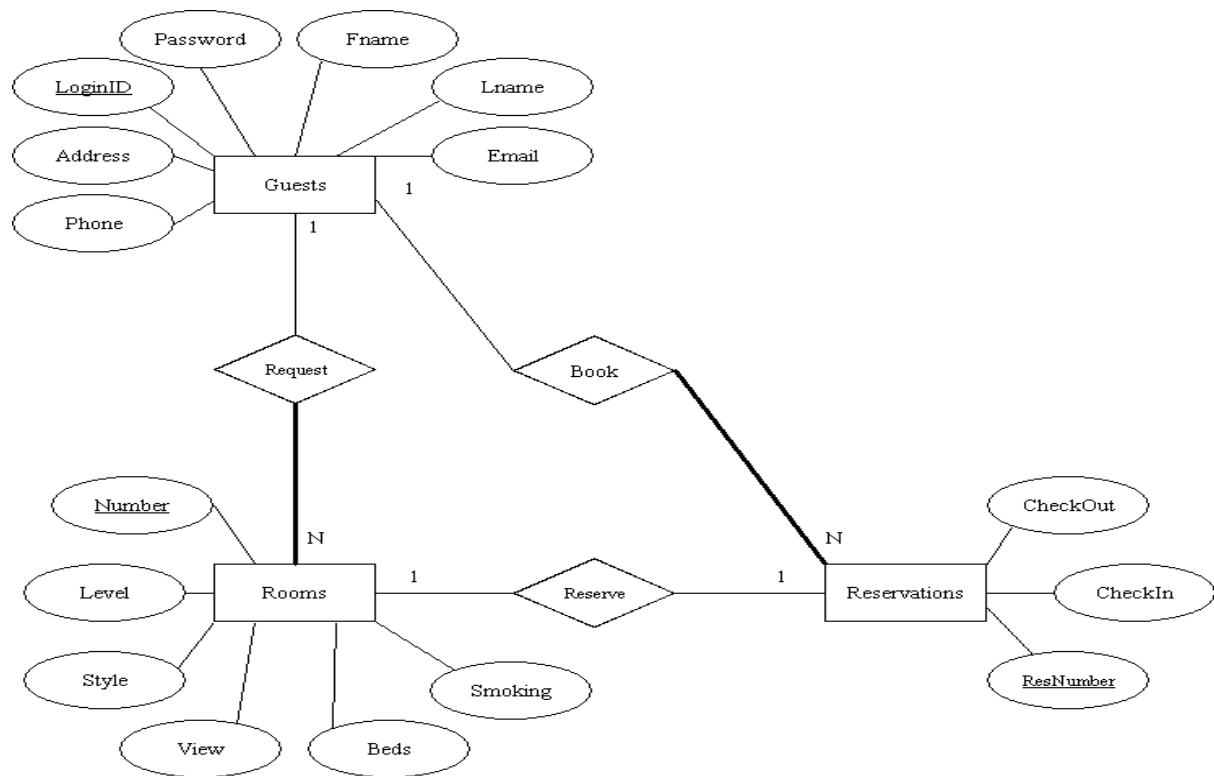
- Availability- the rooms should be available on the specified date and time as many customers are doing advance reservations.
- Correctness- the rooms should give with in time as your comfort ability.
- Usability-the rooms schedules should satisfy maximum number of customer needs.

5.5 BUSINESS RULES

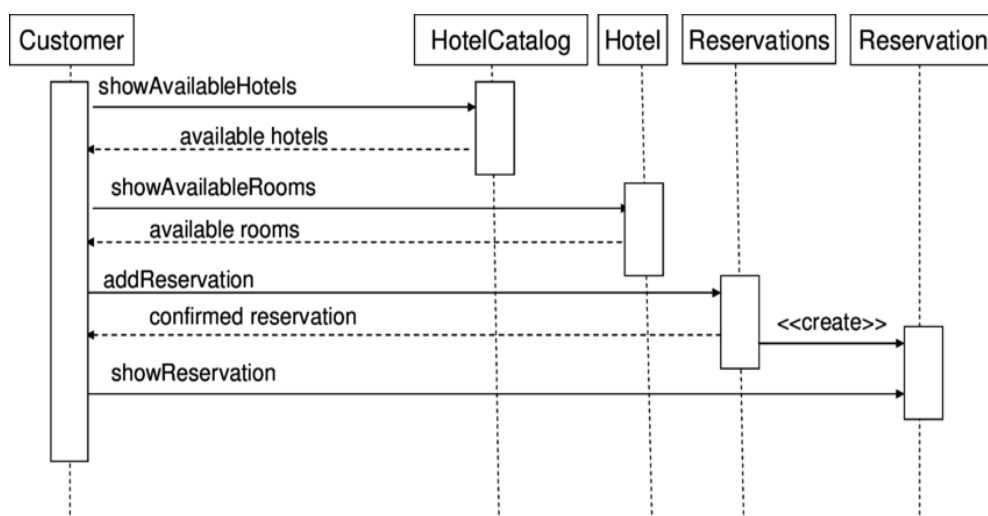
- The customer should book the room before two days.
- The owner should also give the response weather there are room available or not.

6. Diagrams

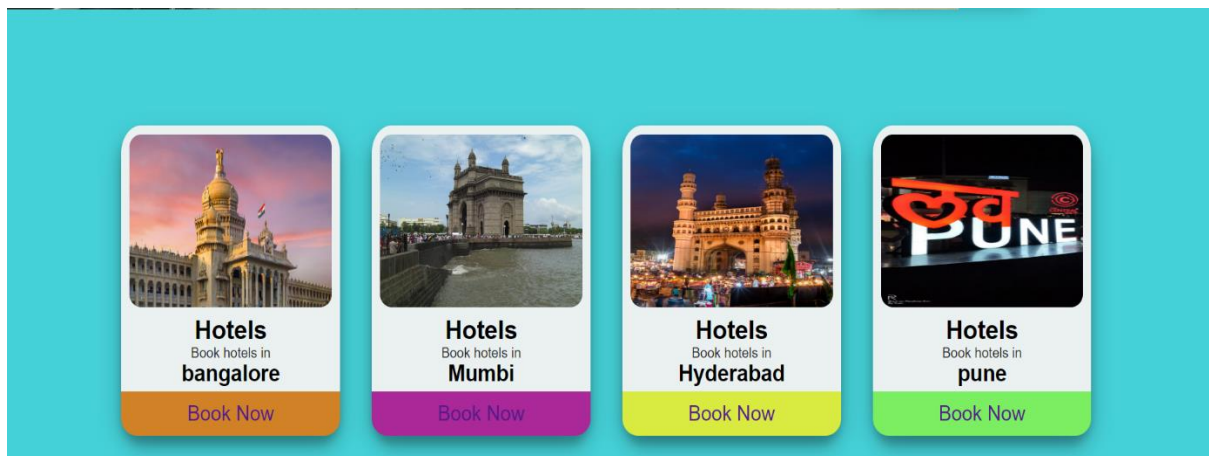
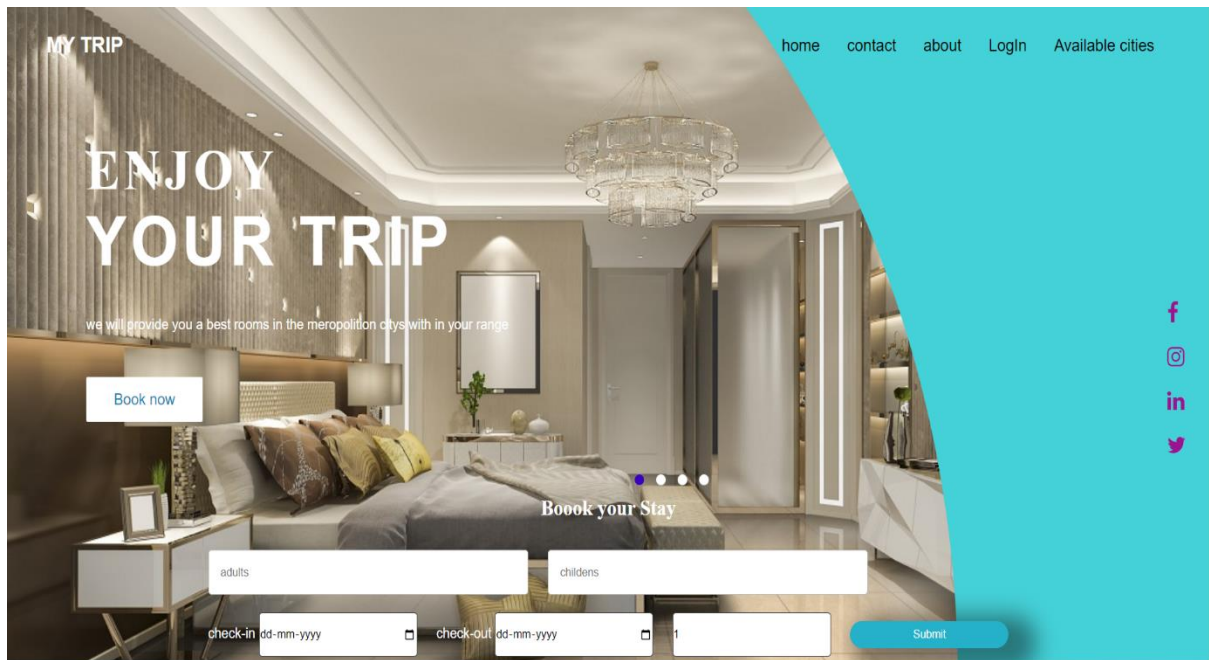
6.1 E-R diagram



6.2 Interaction Sequences Diagram



7. Snapshots



Login

Username

Password

[Register Here](#)

LOGIN

Register

Name

Username

Password

Mobile number

SUBMIT



Hotel-1

1100 Rs per night

[Reserve](#)

Enter your details

First Name

first name

Second Name

Second name

Email

Email

Whom are you booking for?(optional)

- ☐ I am the main guest
- ☐ Booking is for someone else

phone number

+91

Choose your bed (If Available)

single

▼

submit