***Ahsanullah University of Science & Technology***

Department of Computer Science & Engineering



HOTEL MANAGEMENT SYSTEM

CSE 3224

Information System Design

&

Software Engineering

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**Introduction:**

Hotel Management System is mainly a desktop based application . This project will be developed to maintain a hotel in a digitalized way. Hopefully it will be able to reduce times and troubles of administrators of a hotel.

**Project Objectives:**

There are some objectives lie behind this project. The main aim of this project is to give customer view of a hotel. It will also be enhanced client interaction. The aim is to Our aim is to establish a system which will convenient to the users.

**Study of Existing Systems:**

In the existing system the person who wants to book a room has to visit the hotel to book a room. This existing system is a manual system. So the hotel management has to keep records of rooms manually.

**Problems/ limitations of existing systems:**

Administration has to handle the check-out time manually. There is some lack of security. A lot of paper work has to be done so it’s a time consuming process and because of being a manual system this existing system got chance of human error.

**Advantages / goals of the proposed system:**

Our main goal is to digitalize the analog system. Our System will store,

manage and keep all data of the hotel. Our system will generate a warning message to the receptionist according to the checkout procedure of the guest. It is also user friendly .Our System is efficient and faster than the analog system.

**Types of stakeholders [users] of the proposed system:**

Stakeholder**:** Stakeholder means a group of user who is

Actively connected to the system.

1. Management or Owner
2. Receptionist

**Functionality grouping according to the users :**

There are two types of functionality grouping exist according to the users.

Manager : Manager can do login , check the all sorts of information, add or delete the receptionists.

Receptionists : Receptionists can do login , book room, check the client list, take order for food , check clients information (such as check in, check out, order , payment info and so on).

**Requirement Specifications:**

Functional Requirements

FR01: Login

The system shall allow two different types of login interface for two different types of users and must not allow users of one category to be logged into another.

FR02: Registering Users

The system must allow management to register new users and edit , delete or modify user information.

FR03: Booking

FR03-01

The system shall allow to book a room by submitting all necessary guest information by the receptionist.

FR03-02

The system shall allow the receptionist to take payment and work with it’s related procedures.

FR03-03

The system shall allow the receptionist to see the booking list of the hotel whenever he/she needs to.

FR03-04

The system shall allow the receptionist to check the check-in and checkout list of the hotel.

FR03-05

The system must be able to show all the necessary details of guest to the receptionist.

FR04: Room Information

FR04-01

The system must show available rooms to the receptionist.

FR04-02

The system must show the room which is booked by guest.

FR04-03

The system shall enable the receptionist to add a new room to the hotel meaning if a room is in the state of maintenance those room will be not available for a time being ,so if the work of upgradation become complete a receptionist will have the capability to add those rooms as available room.

FR05: Warning Message

FR05-01

The system shall generate a warning message for the receptionist to provide him/her information about the guest who has a checkout time of 2 hours.

FR05-02

The system shall also give a warning message to the receptionist about the due payment of a guest when he/she is checking out.

FR06: Taking Order

The system shall provide taking orders for food , drinks and other things from the guest by the reception.

Non-functional Requirements

Performance

From the starting of the application , logging in , booking , checking information everything will work very fast.

Security

System must provide access to authorized users only that enter through the login module.

Defects-Maintenance

1. Post-release defects of the system must not exceed 1 critical bug per month
2. Post-release bug fixes should not take more than 24 hours.

Overall constraints

Warning Message: Our system will generate a warning message to the receptionist according to the checkout procedure of the guest which is a complicated problem.

Making appropriate database: We all know that database handing is not so easy task that’s why it’s a constraint.

Database Errors: It’s a difficult task to find an error if an error is occurred in the database.

Short time: We all know about the duration of a semester. So we cannot get a proper time to finish a project during this short time.

**Conclusion:**

Our goal is to develop a very easy, fast and user friendly hotel management system. Our system will have the capability of booking a room , taking payments and orders , showing available rooms and also giving all useful information to the management about their customer so they can enhance their business and their services .We will develop our system further if needed.