

RAINBOW ACADEMY

SR.SEC.SCHOOL



NAME: GANESH BORA

CLASS: 11th SCIENCE

SUBJECT: COMPUTER SCIENCE

SYNOPSIS
ON
HOTEL MANAGEMENT
SYSTEM

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ACKNOWLEDGMENT

I would like to express my special thanks of gratitude to my teacher who gave me the golden opportunity to do this wonderful project on the topic (“HOTEL MANAGEMENT SYSTEM”), which also helped me in doing a lot of Research and I came to know about so many new things I am thankful to them.

Secondly I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

HOTEL MANGEMENT

SYSTEM

INTRODUCTION

Hotel Management System is a software system where the management of entire hotel is computerized. The hotel management system is designed using VB.net as the rich GUI for front end and SQL Server as the secured back end database. In this project the details are maintained like customer details, reservation details, Booking details and billing details. The reservation process of reserving rooms for the customers, canceling the reserved rooms, booking the rooms, vacating the rooms, the restaurant management, billing process, etc all are computerized and the management is done without any difficulty. For company auditing it will be more useful. This Proposed System will be interactive, faster and user-friendly for the end users. Using the hotel management system, the following activities can be performed.

FEATURES

The mission is to facilitate easy management and administration of hotel with capabilities to do booking or reservations of the room, 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 OF PROJECT

The aim of the proposed system is to provide solutions to the problems stated above and help the user to manage the hotel effectively and efficiently through:

Adequate Record Keeping: eliminates manual record keeping and install an electronic record keeping thereby ensuring adequate record of transactions are kept. This ensures a centralized system where all necessary data and information can easily be accessed, Tracked, and monitored

Reduced Incidence of Fraud: The program is envisaged to reduce the incidence of fraud both by staff and outsiders through proper record keeping, tracking and monitoring of transaction operations in the organization.

Maximum Accountability: To Instill accountability in the process of management in the hotel organization by not only reducing incidence of fraud, but also eliminating wastage.

Increased Profit Line for The Organization: when there is reduced incidence of fraud this and proper management of resources this will enable increased profit line for the organization

Reduced Time Consumption: A good search algorithm will be implemented on the web application to enhance the search facility whereby users of the system can search for all kinds of data using various criteria.

HARDWARE REQUIREMENTS

PROCESSOR: DUAL CORE

RAM:1GB

HARD DISK: 50GB

SOFTWARE REQUIREMENTS

Windows 7

Visual studio 2010

SCOPE OF PROJECT

The study is focused on the critical operations carried out within the hotel administrative system. These major operations include.

Front-desk operations (customer management, room allocation, cashier posting)

Accommodation (Hotel room management, staff schedules, inventory).

Assets management (Fixed, Floating asset).

Staff record Management.

Restaurant & Bar operation.

Staff payroll (Pay slip).

Accounts Receivable & Payable.

The goals are achieved based on ability of the computer to store large amounts of data which is very useful to store information

LIMITATIONS OF PROJECT

As earlier mentioned, the project study covers Reception, accommodation, finance and accounting, catering, food ordering, administrative, security, and general services transactions in the Hotel management. However the project has limitations based on these facts .The “finance and account” aspect of the HMIS will not capture the budget function; it only captures the accounts receivables and accounts payable.

Another limitation of the system is that a customer’s signature will not be captured. This process might make procedures cumbersome, which is what the study hopes to eliminate; however, it captures full details of the customer.

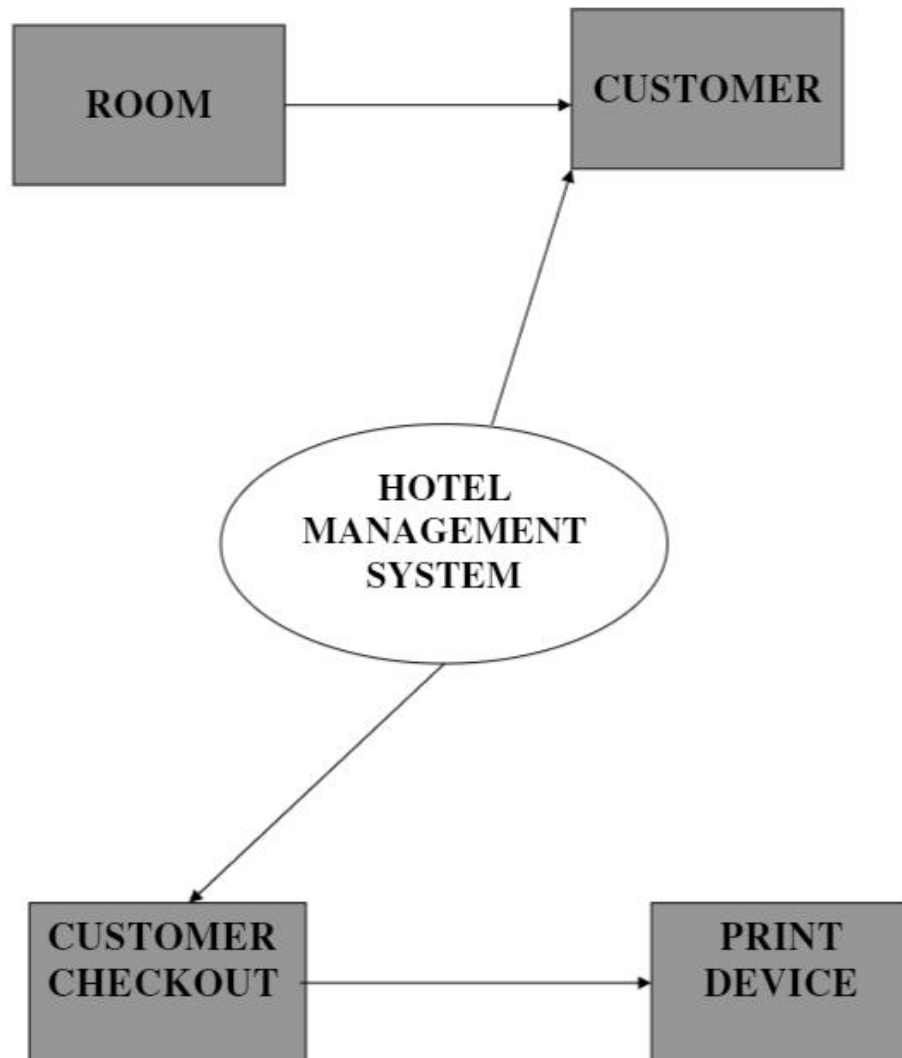
The system does not have an online payment option on the online room reservation menu.

The system is not designed to run off-line.

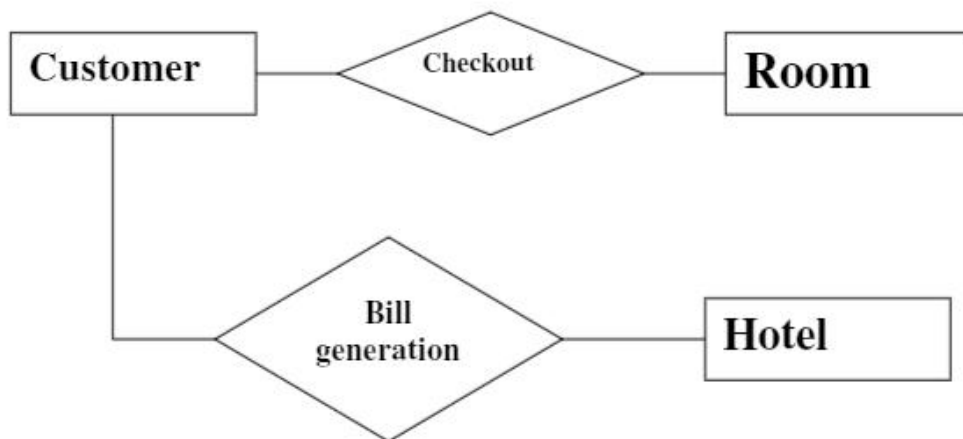
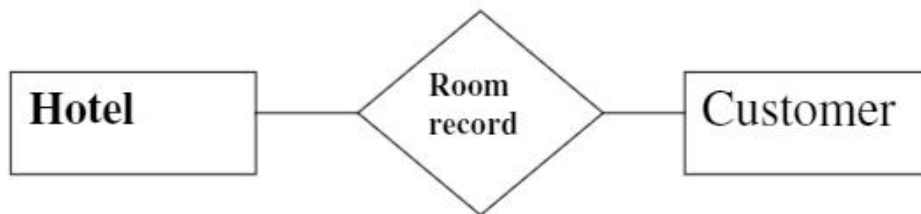
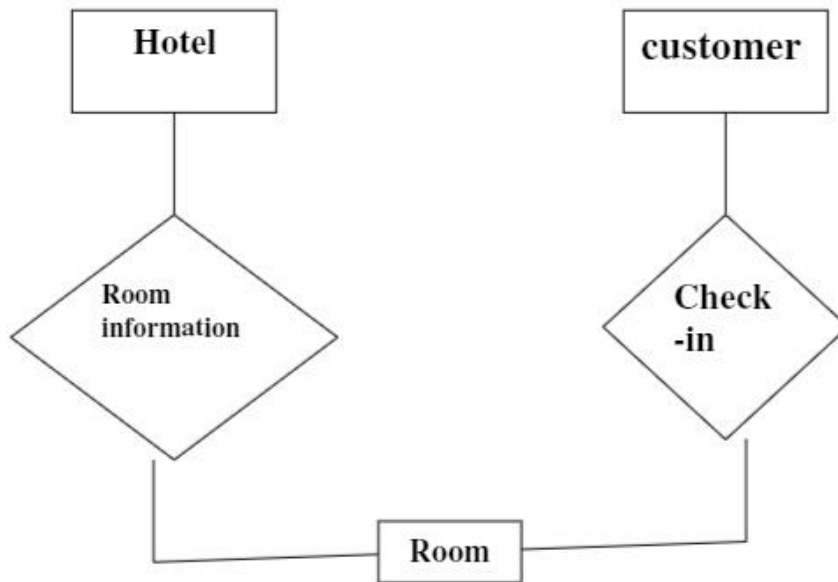
Due to time constraints certain fields were not included; the software was therefore reduced to cover critical aspect of hotel management.

These limitations were encountered during the study, and appropriate techniques have been applied to ensure the system functions properly thereby eliminates the “stale mate”

CONTEXT LEVEL DFD
HOTEL MANAGEMENT SYSTEM

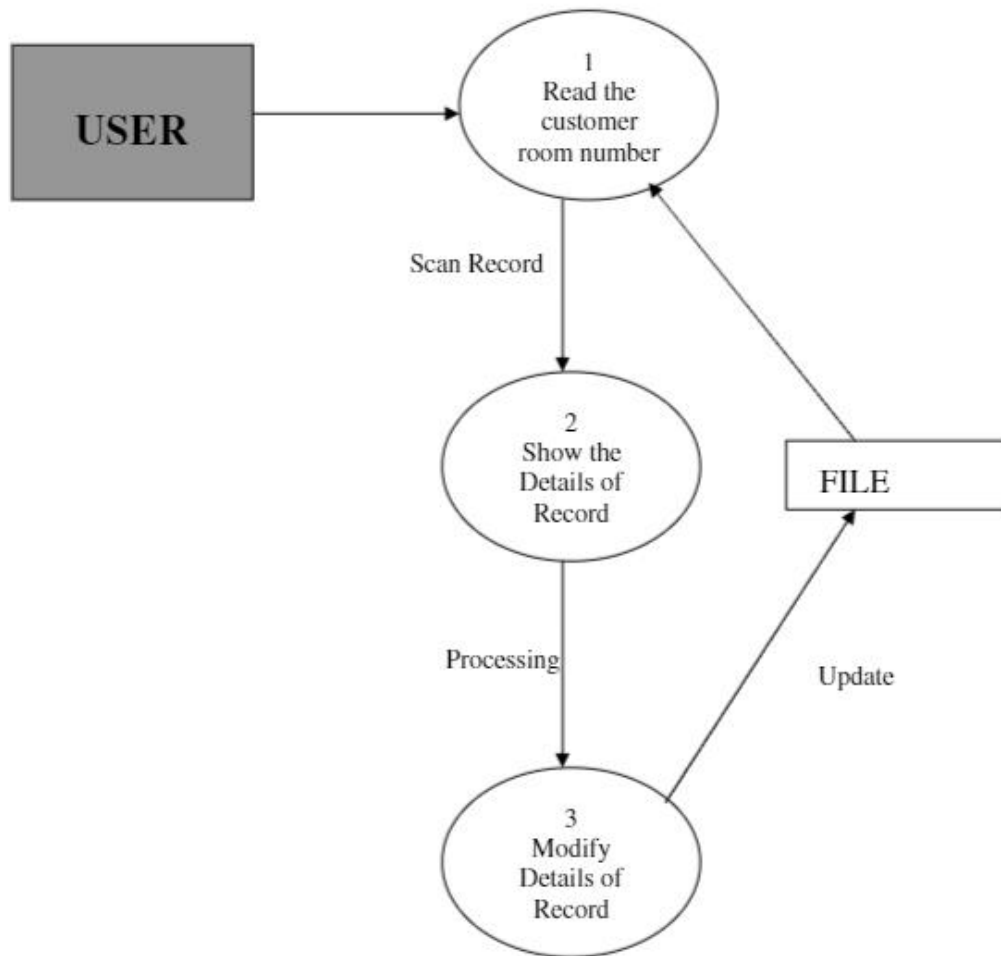


E-R DIAGRAM

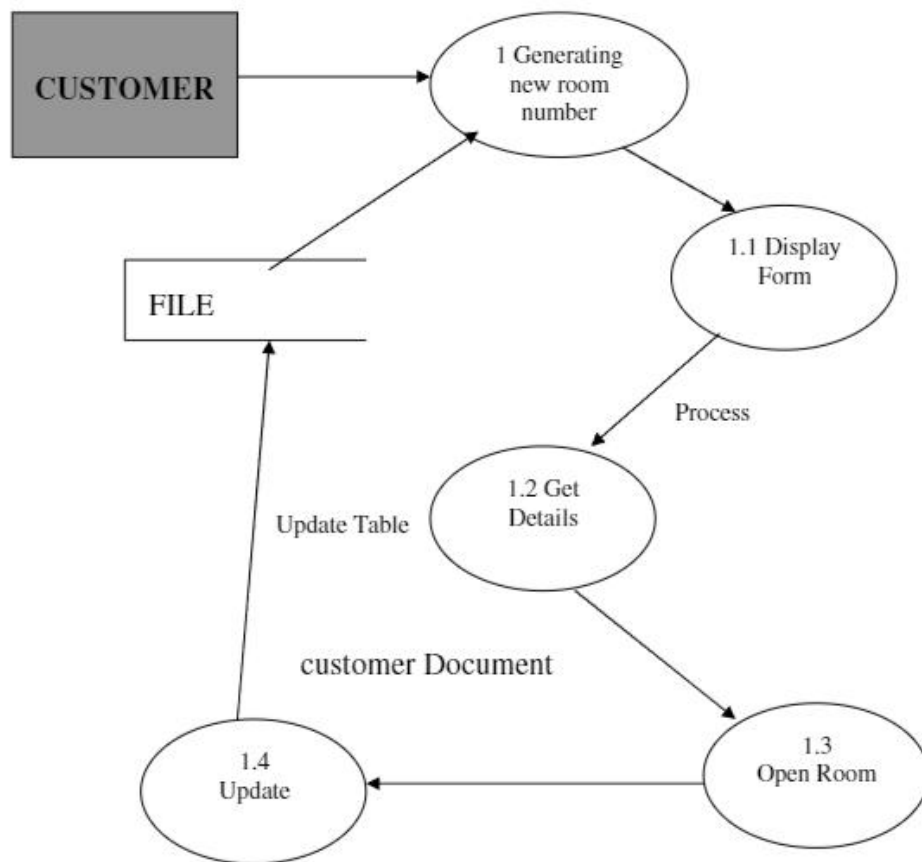


DATA FLOW DIAGRAM

RECORD MODIFICATION



DATA FLOW DIAGRAM OPENING A NEW ROOM



CONCLUSION

The ability to search about specific information or detail before and after doing hotel reservation or to organize hotel's room in easy way with customizing customer detail and checking the valid credit card are some purpose to build system which makes dealing with these requirement possible with easy and fast way. Hotel management system is built to find suitable solution for reservation and customization of rooms, customers, payments and credit cards. This system deal with the database as a end back which based on Oracle and its interface based on ASP and Visual basic. The interface aims to make reservation and using other tools easy to every one without needing to learn how to use. The Visual basic has the responsibility of checking valid credit card, exist of customer ID , finding the available room .