

CHAPTER 1

INTRODUCTION

In our project “HOTEL MANGEMENT” gives idea about the management in hotels. The packages give all the information about the customer regarding check in and check out facilities. The package also provides the facility of searching the customer or an employee working in the particular name or provided ID. It gives the information about the employees working in the hotel. This software is very useful for the department for knowing about the activities of customer or an employee.

Developing a software on “HOTEL MANGEMENT” has very much scope. It can be made more attractive and many more modules can be attached to provide various services to customers.

The Reservation System is to keep track in room and hall reservation and check availability. Using this system user can check which room is reserved and which room is available. He can reserve room from reservation module. The Room Management System is for manage all room types room services. Room management module help user to keep track of all information of hotel room. The Inventory Control System will keep track in all inventories of the hotel and guest details will handled by guest management. Administration department will monitor the all. the main of developing this system is to computerize all the activity of the hotel like Admission of a New Customer, assign a room according to customer’s demand, checkout of a customer and releasing the room and finally compute the bill etc. Using this system, you can manage check in and check out process easily. At check in, you can easily check the availability of rooms in the hotel. And at checkout you can easily generate the total bill.

1.1 OBJECTIVES

The objectives accomplished after the completion of this project are: -

- (i) • Gathering more knowledge about c and how to implement in my project
- (ii) • Taking ideas from different websites, which have explained the concept.
- (iii) • Resolving the issues while implementing the codes and comparing it with the other codes to get the better result.
- (iv) • Finding the best way to represent the time date format.
- (v) • Taking ideas from different websites (such as colour, format).

1.2 MOTIVATION

In present scenarios there are situations where we have to store all the information in dairies and books. So, we decided to create a program so that it can make work easy for the user for storing information Safely.

This method saves time as well as physical efforts of the staff and customers. The old method also requires pen and paper but, in this program, we only need to enter the information of the customer in just very easy and simple manner.

With motivation tools operate managers on the strength, structure and direction of the motivation of individuals and groups under confinement place. The difference between the factors and tools is that while motivation factors are the richest set of ways influencing employee motivation and act intentionally and accidentally, motivational tools seen as a direct, targeted and actively acting elements, approaches and forms of influencing work motivation.

CHAPTER 2

HARDWARE AND SOFTWARE REQUIREMENTS

2.1 HARDWARE REQUIREMENTS

- Laptop or Computer with x86_64 CPU architecture
- 2nd generation Intel Core or newer, or AMD
- 4 GB RAM (suggested) or more,
- 8 GB of available disk space (suggested)

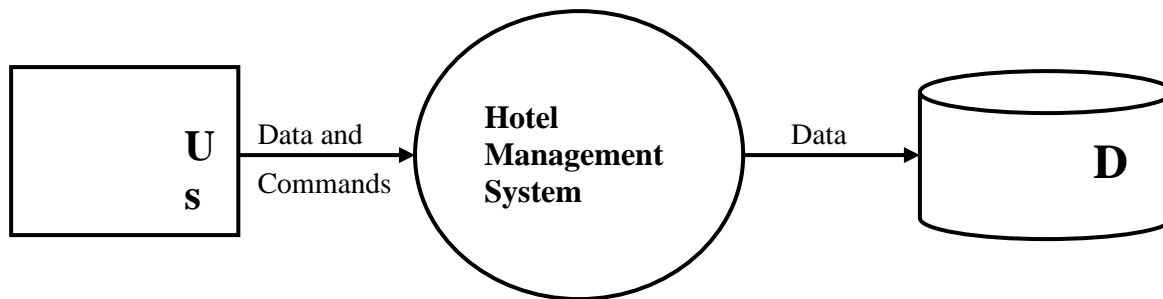
2.2 SOFTWARE REQUIREMENTS

- Turbo C++
- Windows 7 or more (suggested)
- GCC compiler

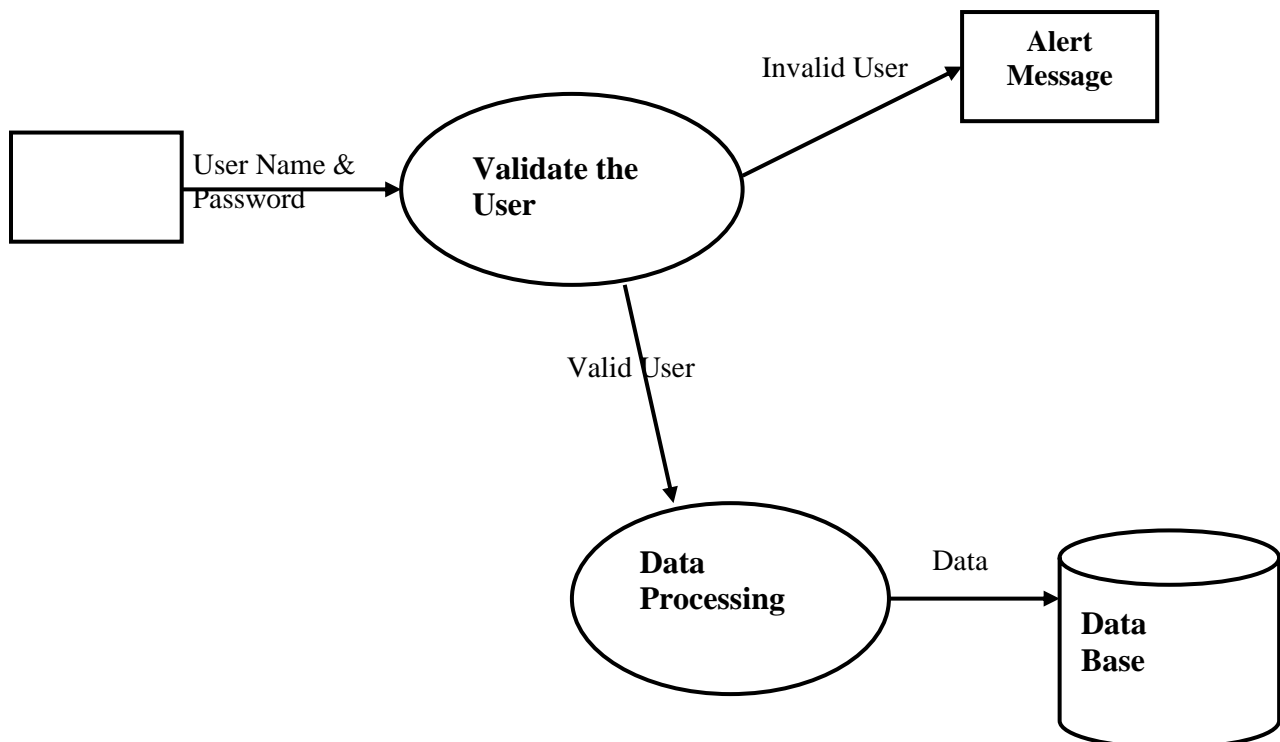
CHAPTER 3

DATA FLOW DIAGRAM

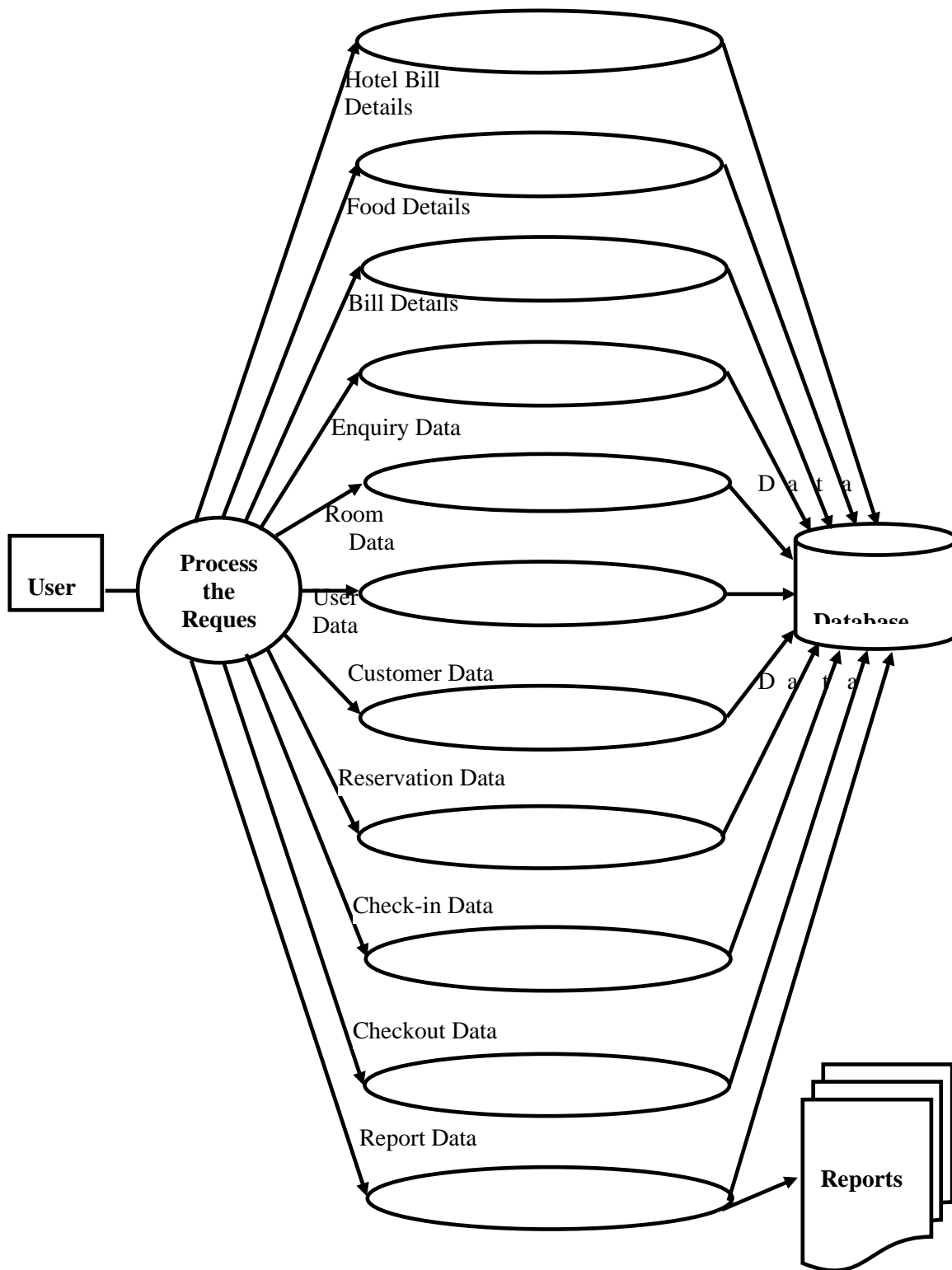
DFD for Overall System:



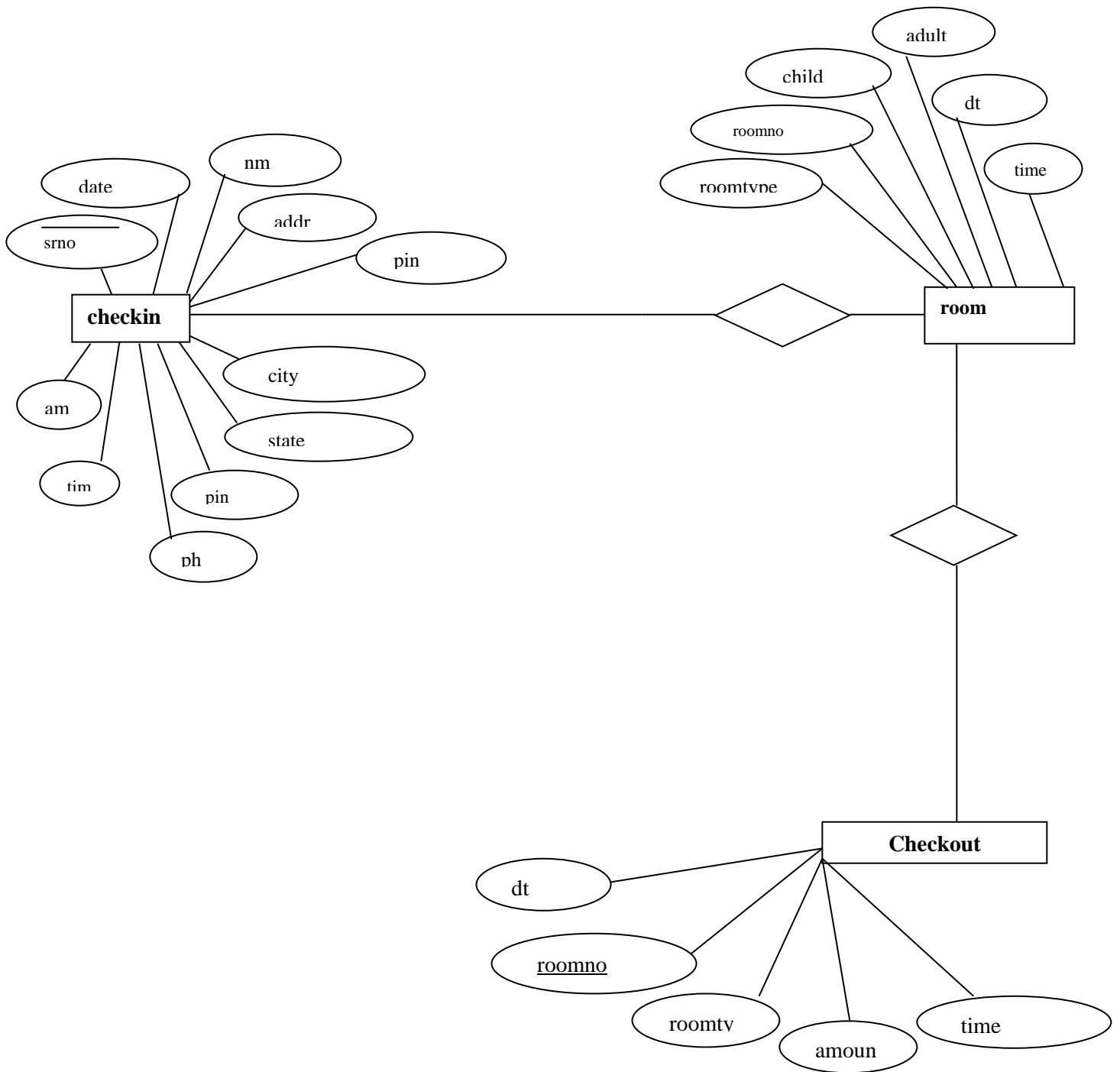
DFD for Authentication:



DFD for modules in the Hotel Management System:



Entity Relationship Diagram



CHAPTER 4

HOTEL MANAGEMENT MODULES

This project consists of following modules:

4.1 Admin module:

Admin has to control over the whole project. This contains sub modules such as admin login module, employee module, report module and discount module.

4.2 User module:

User can view only front-end process of the system. In this system module user can view the information like COD module, bill module and income and expense.

4.3 Employee module:

This module contains information about all the employee's attendance and salary calculation based on the attendance.

4.4 Item master module:

This module contains price and description of the items available in the hotel.

4.5 Report module:

This module consists of the information about day-to-day transaction of the hotels.

CHAPTER 5

PROJECT SNAPSHOTS

WELCOME SCREEN:

```
-----
|
| 000000  000000 000000 000000 000000 000000 0      0 0000000 000000
| 0      0  0 0 0      0      0      0 0 0 0      0
| 0 00000 000000 00000 00000  0      0  0 0 0 0 0 00000 000000
| 0  0  0 0 0 0      0      0      0  0 0 0 0 0 0      0
| 000000  0  0 000000 000000  0  000000 0  0 0 000000 000000
|
|-----
|
| *****
| *                                           *
| * ----- *
| *  WELCOME TO HOTEL DESERT CAVE  *
| * ----- *
| *                                           *
| *****
|
|-----
|
| Current date and time : Sat Dec 17 00:27:06 2022
|
|-----
|
| Press any key to continue:|
```

LOGIN PAGE:

```
***** LOGIN FORM *****
ENTER USERNAME:-admin123

ENTER PASSWORD:-*****|
```


MAIN MENU:

```
-----
***** |MAIN MENU| *****
-----

    *Please enter your choice for menu*:

Enter 1 -> Book a room
-----
Enter 2 -> View Customer Record
-----
Enter 3 -> Delete Customer Record
-----
Enter 4 -> Search Customer Record
-----
Enter 5 -> Edit Record
-----
Enter 6 -> Exit
-----

Current date and time : Sat Dec 17 00:29:14 2022
-----|
```

BOOKING A ROOM:

```
Enter Customer Details:
*****
Enter Room number:
101
Enter Name:
John
Enter Address:
London
Enter Phone Number:
468782
Enter Nationality:
UK
Enter Email:
john@gmail.com
Enter Period('x'days):
3
Enter Arrival date(dd\mm\yyyy):
01/06/2023

1 Room is successfully booked!!
Press esc key to exit, any other key to add another customer detail:|
```

VIEWING ALL CUSTOMERS RECORD:

ROOM	NAME	ADDRESS	PHONENUMBER	NATIONALITY	EMAIL	PERIOD	ARRIVALDATE
103	Johhny	London	2354635534	UK	johhny@gmail.com	3	06/12/2022
202	Shyam	Kanpur	7886541234	IND	Shyam@gmail.com	5	08/11/2022
304	Vipul	Delhi	8989765432	IND	Vipul@hotmail.com	9	18/06/2022

DELETING A CUSTOMER RECORD:

```
Enter the Room Number of the hotel to be deleted from the database:
202
```

```
The Customer is successfully removed....|
```

SEARCHING A CUSTOMER RECORD:

```
Enter Room number of the customer to search its details:
304
```

Record Found

```
Room Number:    304
Name:    Vipul
Address:    Delhi
Phone number:    8989765432
Nationality:    IND
Email:    Vipul@hotmail.com
Period:    9
Arrival date:    18/06/2022|
```

EDITING A RECORD:

Enter Room number of the customer to edit:

103

Enter Room Number :104

Enter Name :Johnny

Enter Address :London

Enter Phone number :2345435344

Enter Nationality :UK

Enter Email :jonny1233@gmail.com

Enter Period :5

Enter Arrival date :12/12/2022

YOUR RECORD IS SUCCESSFULLY EDITED!!!

CHAPTER 6

LIMITATIONS

- Manual Entry Consumes More time
- Overall Efficiency is Less
- We can't insert the data of payment
- Searching in bigger data will take time

CHAPTER 7

FUTURE SCOPE

At present this software does not contain credit card facility.

We can add the facility of pickup and drop where the costumer wants to go in the city, we can drop them at free of cost.

So as the demand increases, we can add this module as future scope.

METHODOLOGY

The method being used in developing the system is the system Development Life Cycle (SDLC) The SDLC process includes project identification and selection, project initiation and planning, analysis and design.

Phase 1: Project identification and selection

In this phase the project information system needs are identified and analysed such as identified the title of the project that is Web Based Autoanalyzer, scope and objective of the Web Based X path Analyzer.

Phase 2: Project initiation and planning

During this phase the Gantt chart has been developed as a time line to determining the task involve in developing the Web Based Autoanalyzer.

Phase 3: Analysis

In the phase, the existing system is studies by collecting the information through the Internet and analyzed the information to get alternatives for the use of proposed system. Determine what the Web Based Autoanalyzer should do.

Phase 4: Design

Logical design is the fourth phase in SDLC methodology. The functional features chosen for the proposed system in Analysis phase are described. Part of the logical design of the information system is to devise the user interface. The interface plays an important role to connect the user with the system and is thus extremely important.

CONCLUSION

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that are implemented. Any specification untraced errors will be concentrated in the coming versions, which are planned to be developed in near future. The system at present does not take care of the money payment methods, as the consolidated constructs need SSL standards and are critically to be initiated in the first face, the application of the credit card transactions is applied as a developmental phase in the coming days. The system needs more elaborative technicality for its inception and evolution.

REFERENCES

- GEEKS FOR GEEKS
- <https://www.geeksforgeeks.org/>
- SLIDESHARE
- <https://www.slideshare.net/>