

SHIVAJI UNIVERSITY, KOLHAPUR

**RAYAT SHIKSHAN SANSTHA'S
SADGURU GADAGE MAHARAJ COLLEGE, KARAD
NAAC ACCREDITED "A+"**

DEPARTMENT OF COMPUTER SCIENCE

A PROJECT REPORT ON,

"Infinity Management System"

A DISSERATION WORK SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD
OF DEGREE OF, **Bachelor of Computer Science (Entire) 2019-2020** SUBMITTED
BY, **MR.PATIL OMLAXMAN**

UNDER THE GUIDENCE OF
Prof.PATIL A.B.

SHIVAJI UNIVERSITY, KOLHAPUR



RAYAT SHIKSHAN SANSTHA'S

**SADGURU GADAGE MAHARAJ COLLEGE,
KARAD****CERTIFICATE**

This is to certify that **Mr.OM LAXMAN PATIL** has completed the necessary Project on "**Infinity Management System**", in VB.net For the Partial Fulfillment of requirement of degree of **Bachelor of Computer Science (Entire)** of Shivaji University , Kolhapur in academic year **2019 – 2020**.

Place :- Karad

Date:- / /2020

Project Guide
Prof . Patil A.B.

Examiner

Head Of Department
Prof.Nalawade B.J.

DECLARATION

To,

The Principal,

S.G.M. College, Karad .

Respected Sir,

We undersigned hereby declared that submitted project is fully designed and developed by me as per Shivaji University, Kolhapur. The Project report entitled "**Infinity Management System**" written and submitted under the guidance of **Prof. Patil A.B.** is our original work.

The empirical findings in the report are based on the data collected by us preparing project report. We have not copied from any report, we understand that any coping is liable to punish in a way the University authorities deem fit.

Place :- Karad

Date :- / /2020

Mr. Patil Om Laxman

ACKNOWLEDGEMENT

With a blessing of our parents it gives us great pleasure to present our project report. No work, however big or small, has ever been done without the contributions of others.

We take it is an opportunity to thank all those who has directly inspired, directed and helped me towards successful completion of this project report. We are grateful to the team of "**Infinity Management System**" for their highly encouraging and cooperative attitude.

We express our sincere thanks to H.O.D. **Prof. Nalawade B.J.** of Computer Science Department for their encouragement throughout the project. We are thankful to our guide, **Prof. Patil A.B.** for his guidance and help in giving the project the best shape. We express our sense towards our friends and parents for the constant moral support during our project report.

Mr. Patil Om Laxman

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INTRODUCTION

The “Infinity Management System” is a desktop application which is mainly developed to fully automate operations of Hotel and Restaurant. It completely replaces manual working with computerized working. It maintains two main subsystems such as Hotel management and Restaurant management. And day to day transactions. It provides benefits of maintaining thousands of records and provides quick access to these records. We can make menu's (add) serve it and provide Room reservation and all past record and its bill. In addition of that, it generates various kinds of reports which are essential for administration.

The Billing in Restaurant and Room allocation is Centre goal of system.

This project is designed to make the manual process easier by making it a computerized system to automate overall working of Hotel and Restaurant.

Purpose:-

The main purpose of this application is to automate operations of Hotel and Restaurant i.e. manage various tasks related to Hotel and Restaurant such as Restaurant Bill, Customers details, Room allocation, Stock purchase details etc.

It should generates various kinds of reports for administration and avail data very quickly

Infinity Management System

This project uses to replace the manual system with the computerized system. It will surely save a lot of time, money and energy. This software can enhance the workflow of the Hotel and Restaurant workers and reduce the manpower.

Objectives of proposed system:

Proposed System

The present system is totally manual system. The need for computerization is felt due to some drawbacks of existing system.

“INFINITY MANAGEMENT” a Desktops based application is proposed solution to overcome above limitations of an existing system.

It replaces the manual system with the computerized system. It will surely save a lot of time, money and energy.

Objectives of System

- The main objectives of this system is to overcome some problems that comes during manual existing system and to provide user friendly software that will maintain day to day transactions in smooth way
- To store more data within a less time.
- To provide necessary reports such as monthly, daily, yearly report and also fat reports of Payment slips of employee etc.
- Using computer software's add, save, delete, updating, modify, of record is quickly possible.
- The most important objectives is to provide security from unauthorized person
- Enhance the workflow of the Hotel and Restaurant employees and reduce the manpower.

Infinity Management System

- To develop the system which is user friendly and provide timely support for decision making.
- To reduce problems of handling the records in form of files and registers

Scope of proposed system:

This system is not specifically designed for any Hotel and Restaurant. It is equally applicable all Hotel and Restaurant's (Not only Hotel or Restaurant).

Hotel Modules

Restaurant Module

Guest Reservation

User Management

Stock Management

- It helps to manage various masters related to application such as Hotel, Restaurant, Guest, Stock etc.
- This project outlines the solution for hotel' income and the impact on beneficiaries' things.
- Identify the Customer requirement.
- Describe the organization and emphasize its area of expertise, experience, and ability to carry out the proposed program successfully.

Modules

Hotel Modules

Restaurant Module

Guest Reservation

User Management

Stock Management

Report Module

Package Module

Services Module

Kitchen Module

SYSTEM ANALYSIS

FEASIBILITY STUDY

The initial investigation points to the question whether the project is feasible. A feasibility study is conducted to identify the best system that meets all the requirements. This includes an identification description, a valuation of the proposed systems and selection of the best system for the job. The requirements of the system are specified with a set of constraints such as system objectives and the description of the outputs. It is then duty of the analyst to evaluate the feasibility of the proposed system to generate the above results. Three key factors are to be considered during the feasibility study.

1. Technical Feasibility:-

The main consideration is to be given to the study of available resources of the organization where the software is to be implemented. Here the system analyst evaluates the technical merits of the system giving emphasis on the performance, Reliability, maintainability and productivity.

By taking the consideration before developing the proposed system, the resources availability of the organization was studied. The organization has immense computer facilities equipped with sophisticated machines and the software hence this technically feasible.

2. Operational Feasibility:-

An estimate should be made to determine how much effort and care will go into the developing of the system including the training to be given to the user. Usually, people are reluctant to changes that come in their progression. The computer initialization will certainly affect the turn over, transfer and employee job status. Hence an additional effort is to be made to train and educate the users on the new way of the system.

3. Economic Feasibility:-

Economic feasibility is the most important and frequently used method for evaluating the effectiveness of the proposed system. It is very essential because the main goal of the proposed system is to have economically better result along with increased efficiency. Cost benefit analysis is usually performed for this purpose. It is the comparative study of the cost verses the benefit and savings that are expected from the proposed system. Since the organization is well equipped with the required hard ware, the project was found to be economically.

Fact Finding Technique:-

1. After deciding the subject, you must be permitted for designing of that system by main in charge of that organization.
2. With the plus point, you should take the drawback in the account.
3. You should cover all requirements of organization. For this it necessary for you to collect the detail information by interviewing with that follows.
4. The most important part of this system design is to consider the various file related to data and suggestions from files.
5. Prepare the necessary documents and programs in clean and neat formatted.
6. When you completed your program writing you should test the programs as test data, debug the data if necessary.

HARDWARE AND SOFTWARE SPECIFICATION

Server: Operating System Server: Windows 10

- Database Server: Microsoft SQL Server-2008
- Tools: Microsoft Visual Studio .Net-2015
- Framework & Technology: .Microsoft's .Net Framework -4.0
- Code Behind: VB.Net

Software Requirement Specification:-

The operating system must be Windows 10 Higher Version of Windows. The software required is Vb.Net and SQL Server. SQL Server is required to maintain the databases.

Software Used

Front End : Vb.Net

Back End : SQL Server 2008

For Report : XReport(Dev Express) Report

INTRODUCTION TO TECHNOLOGY

Overview of .NET

What is .NET?

Microsoft invested a great portion of its budget researching and developing this brand-new way of doing things. It's not just an offering to the programming world. It introduces a combined and consistent effort between operating system, services, and programming languages.

The .NET Framework:

The .NET framework is new API (Application Programming Interface) that helps programmers to write programs or applications for distributed environment. To do so, .NET helps you to create web services and web applications.

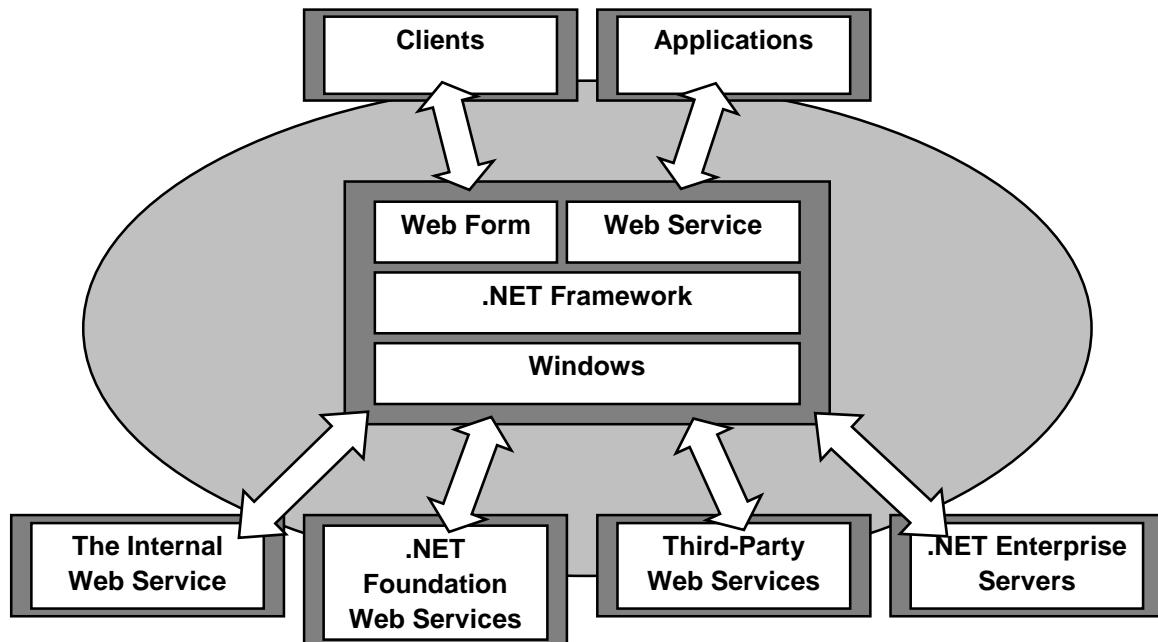
The .NET framework is well designed for communicating with COM (Component Object Model) components, making the applications written in .NET languages backward compatible with existing programs. The .NET framework helps you to write complex applications by providing with predefine classes and methods in the .NET base class library and also manages the execution of the applications that you write.

.NET offers an application development environment called Visual Studio .NET that consists of several programming languages, such as Visual Basic .NET, Visual C#, Visual FoxPro, Visual C++ .NET. These programming languages combine the features of the existing languages with several new features to provide a powerful development framework.

Following are some of the features of .NET framework:

- Interoperability with other environments.
- Support for developing language-independent applications.
- Support for OOP's (Object Oriented Programming)
- Support for Web applications
- Support for Web Services.

The .NET framework is that it is the environment seen by your code when it executes. This means that manages the execution of your code. The .NET sits between your code and windows

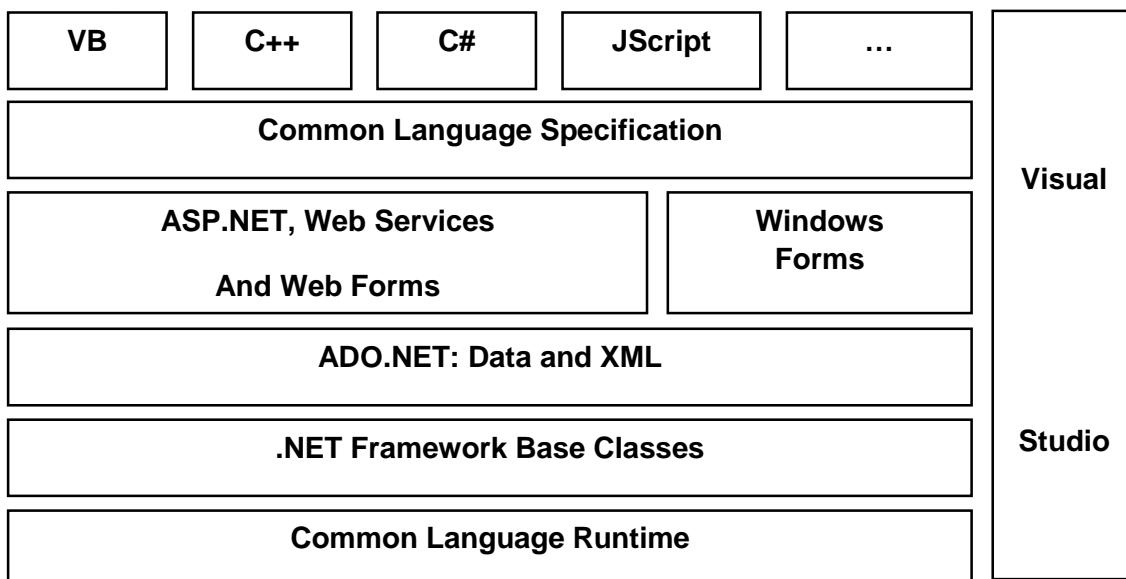


.NET Framework

First and foremost, .NET is a framework that covers all the layers of software development above the operating system. It provides the richest level of integration among presentation technologies, component technologies, and data technologies ever seen on a Microsoft, or perhaps any, platform. Secondly, the entire architecture has been created to make it as easy to develop Internet applications, as it is develop for the desktop.

The .NET Framework actually “wraps” the operating the operating system, insulating software developed with .NET from most operating system specifics such as file handling and memory allocation. This prepares for a possible future in which the software developed for .NET is portable to a wide variety of hardware and operating system foundations.

The major components of the Microsoft .NET Framework are shown in Figure.

**Base Class Libraries:**

These class libraries work with any language under the common language runtime environment. It includes Visual Studio.NET. Therefore if you are familiar with one .NET language then you can easily migrate to other .NET Languages.

Common Language Runtime:

Common Language Runtime also called CLR Provides a universal execution engine for developer's code. The goals of the CLR are as follows:-

- Simpler, faster development.
- Excellent tool support.
- Simpler, safer deployment.
- Scalability.
- Very high level of Security while executing.
- Multilanguage Support.

XML support: Next generation XML support that goes far beyond the functionality of MSXML.

Thread support: The System. Threading namespace provides support for creating fast, efficient, multi-threaded application.

Code generation: The System. Code DOM namespace provides classes for generating source files in numerous languages, ASP.NET uses these classes when converting ASP.NET pages into classes, which are subsequently compiled.

Input/Output: The System.IO namespace provides extensive support for working with files and all other stream types.

Reflection: The System. Reflection namespace provides support for load assemblies, examining the types within assemblies, creating instances of type, and so on.

Security: The System. Security namespace provides support for services such as authentication, authorization, permission sets, policies and cryptography. These base services are used application development technologies like ASP.NET to build their security infrastructure.

SQL SERVER 2008

Relational Database Systems:-

A relational database system is an organized model of subjects and characteristics that have relationships among the subjects.

A well designed relational database provides information about a business or process and is used widely to store and retrieve information. We see relationship everywhere in our daily lives. Some major advantages of RDBMS are in the way it stores and retrieves information, and in how it maintains data integrity. RDBMS are easy to understand and to build. These structures are logically represented using the entity relationship model (ER) model.

- Characteristics of a relational DBMS Model
- The relational data management eliminated all parent child relationships and instead represented all data in the database as simple row/column to data values.
- A relation is similar to tables with rows/ columns of data values. The row of the table is referred to as tuples and column are referred as attributes. Several tuples of equal length placed one below the other create a table.
- Each table is an independent entity and there is no physical relationship between tables.
- Most data management systems based on the relational model have built in support of query languages like ANSI SQL or QBE (Query by example). The queries are simple English construct that allow data manipulation from a table.
- Relational model of database is based on the set theory.
Built-in query language query is designed in the RDBMS, So that it can manipulate sets of data.
- The user interface used with the relational model is non-procedural because only what need to be done is specified and not how it has to be done. Using any of the other methods, you have not only to specify what to be done as well.

Microsoft SQL server 2008 is a full featured relational database management system (RDBMS) that offers variety of administrative tools to ease the burdens of database development, maintenance and administration. Let's take a brief look at more frequently used tool: Enterprise Manager, SQL Profiler, Service Manager, Data Transformation services and books online.

Java Script

JavaScript is a Client-side scripting language, which empowers the developers to write functionality to run at the users client .It is very useful and powerful if the developers want to preprocess data on the client before submission to the server, this can reduce traffic over the network and offload processing from the server to the client. Since JavaScript is a Scripting language (not compiled) and runs primarily on the client.

There are four primary components to JavaScript's OOP methodology:

1. Object: A JavaScript object can be almost any elements of a web documents such as the documents, tables, forms, buttons, images.
2. Properties: Each object has its own properties such as the history of the browser.

History length contains the count of the items in the history list.

3. Methods: objects can do certain things known as methods. Basically a method is a means of making an object do something like open or close.

4. Events: An events actually triggers the function or method to run.

Dev Express:

Dev-Express introduces a set of the VB.NET MVC framework dedicated controls - the Dev-Express Extensions for VB.NET MVC. These extensions are designed to conform to the primary MVC concepts. They are intended to operate seamlessly within Views - MVC components that display the application's user interface (UI).

The DevExpress Extensions for VB.NET MVC are implemented using the capabilities of the VB.NET MVC framework and the jQuery library, officially acknowledged by Microsoft. Wrapping our industry recognized VB.NET controls, the DevExpress Extensions

for VB.NET MVC leverage their powerful functionality and well-grounded API. At the same time, our MVC Extensions behave in the native MVC manner, providing a lightweight semantic rendering, supporting the separation of concerns paradigm and maintaining ease of testing.

Details of Implementation

We extend the standard HTML Helper class (Html) with our own DevExpress extension method. It returns an extensions factory object, which implements a set of HTML helper methods providing access directly to our MVC extensions. Each DevExpress MVC extension object accepts control specific settings as a parameter, and provides methods allowing you to data bind and render the control. Commonly, our settings objects are a type of our VB.NET control specific API wrappers. They encapsulate the publicly available settings (properties and methods), allowing you to fine tune our MVC extension.

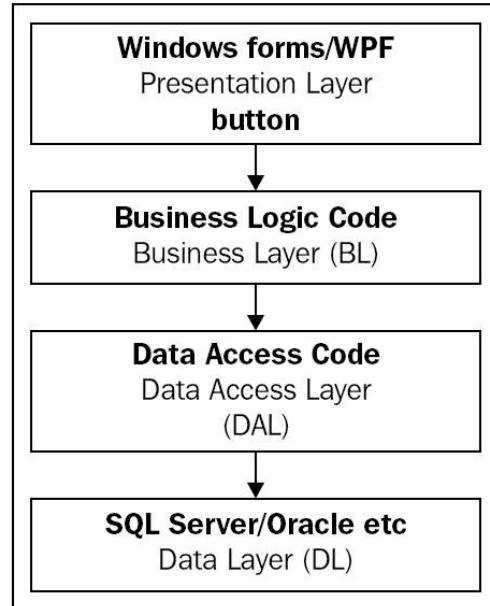
Tier Architecture

Tier 1: The client contains the presentation logic, including simple control and user input validation. This application is also known as a thin client.

Tier 2: The middle tier is also known as the application server, which provides the business processes logic and the data access.

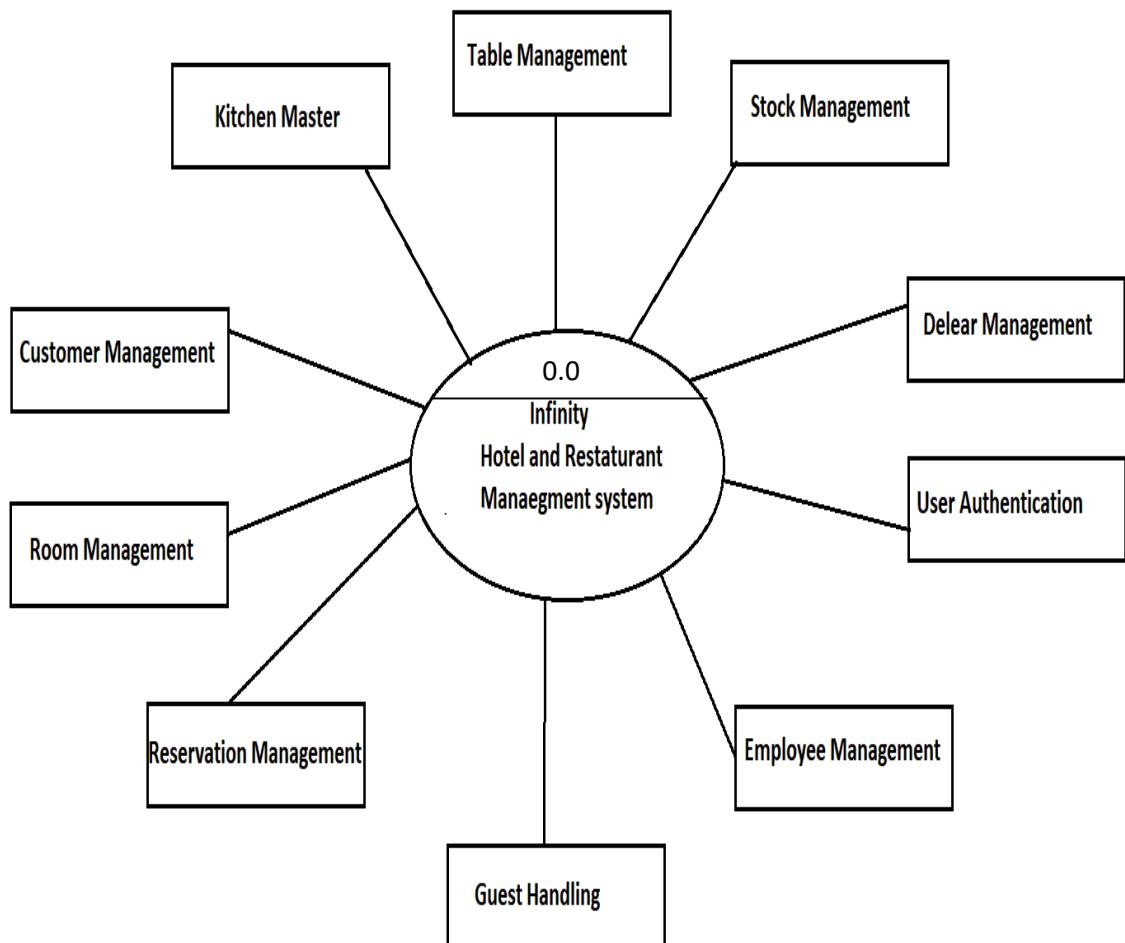
Tier 3: The data server provides the business data.

These are some of the advantages of three-tier architecture: It is easier to modify or replace any tier without affecting the other tiers. Separating the application and database functionality means better load balancing. Adequate security policies can be enforced within the server tiers without hindering the clients.

1. Application layer**2. Business layer****3. Data layer**

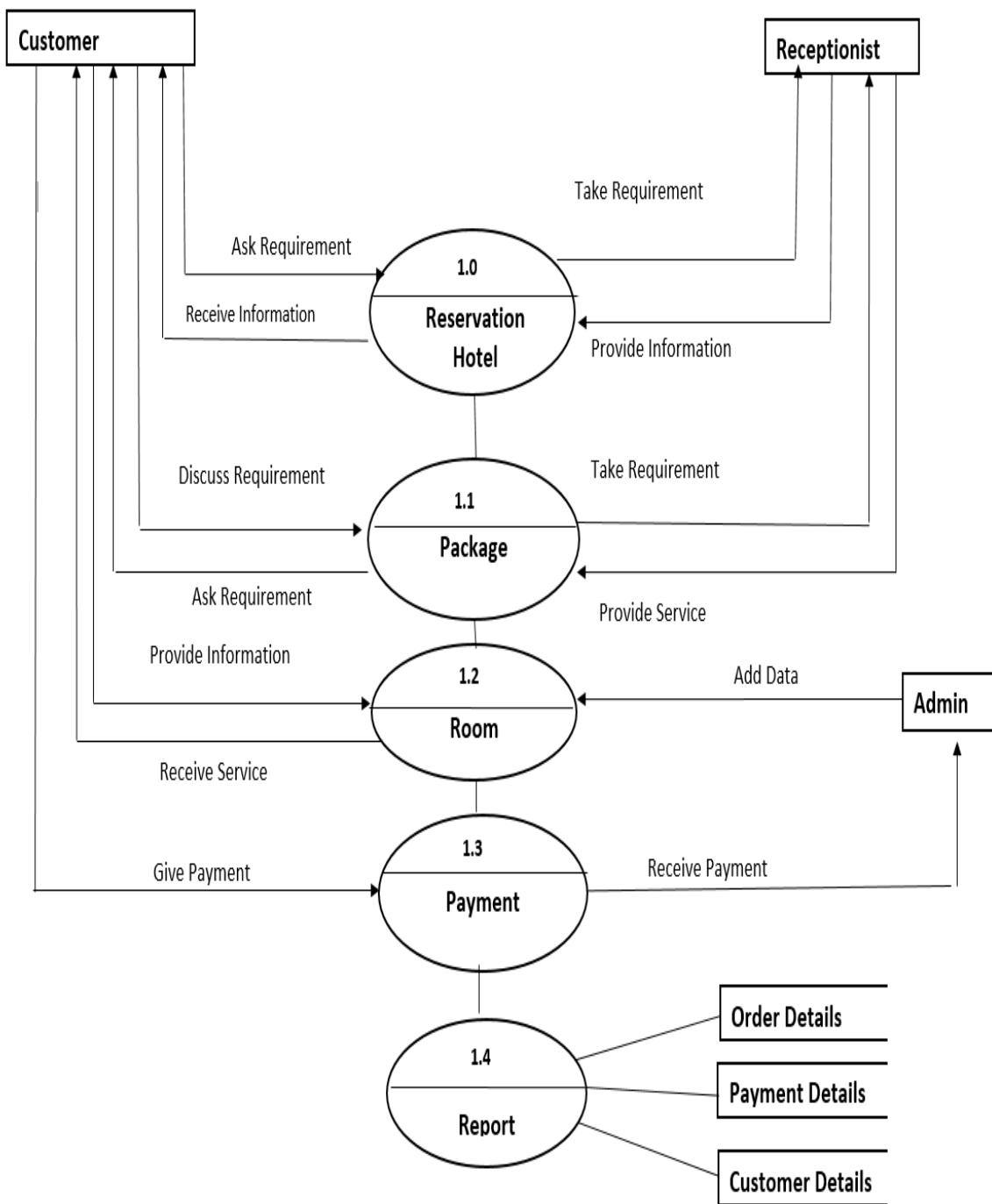
System Design

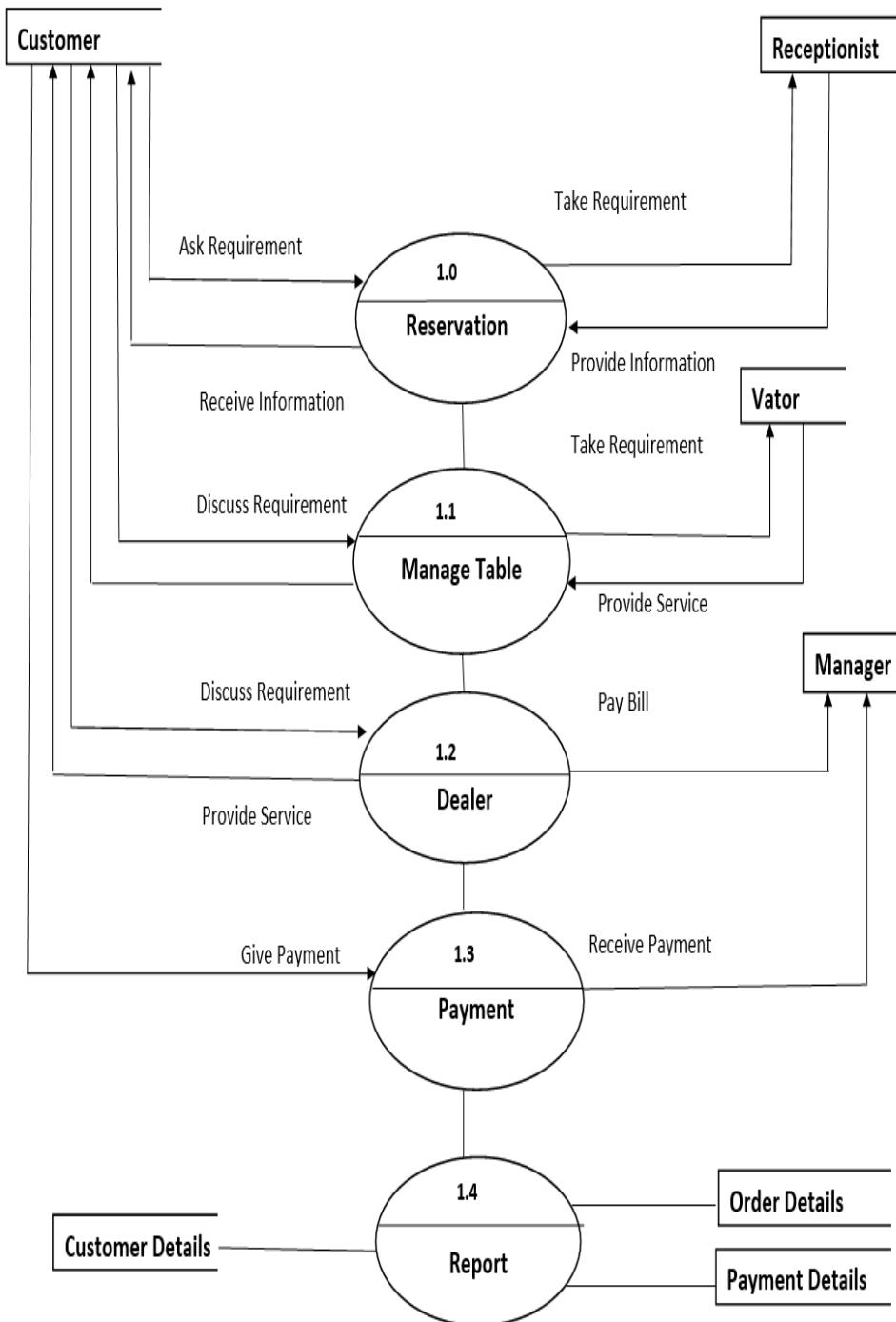
DFD Diagrams:



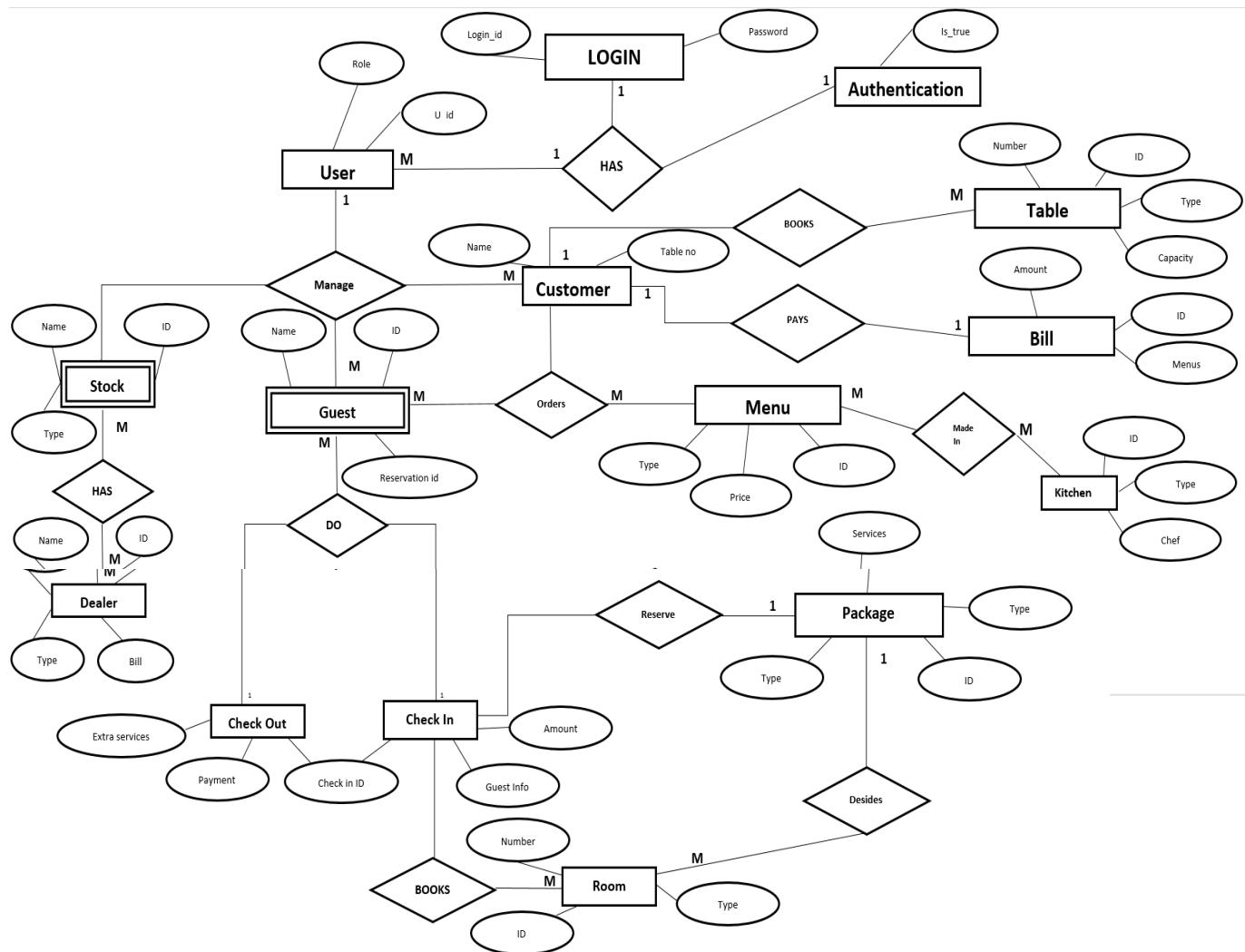
Zero Level DFD

First Level DFD's





Entity Relationship Diagram:



Class Diagram:



Infinity Management System



Database Design

Check in Check out Table:

Column Name	Data Type	Allow Nulls
Check_id	int	<input type="checkbox"/>
guest_name	varchar(15)	<input type="checkbox"/>
guest_m_name	varchar(15)	<input type="checkbox"/>
guest_l_name	varchar(15)	<input type="checkbox"/>
guest_address	varchar(MAX)	<input type="checkbox"/>
guest_mobile_number1	numeric(10, 0)	<input type="checkbox"/>
guest_mobile_number2	numeric(10, 0)	<input checked="" type="checkbox"/>
cin_date	date	<input type="checkbox"/>
cout_date	date	<input type="checkbox"/>
c_days	int	<input type="checkbox"/>
c_nights	int	<input type="checkbox"/>
c_adults	int	<input type="checkbox"/>
c_childrens	int	<input type="checkbox"/>
c_room_no	int	<input type="checkbox"/>
c_room_type	varchar(15)	<input type="checkbox"/>
c_pkg_name	varchar(15)	<input type="checkbox"/>
c_total_amount	money	<input type="checkbox"/>
c_advance_paid	money	<input type="checkbox"/>
c_sub_total	money	<input checked="" type="checkbox"/>
c_gst	int	<input type="checkbox"/>
c_discount	int	<input type="checkbox"/>
c_discount_name	varchar(15)	<input type="checkbox"/>

Guest Data

Column Name	Data Type	Allow Nulls
Check_id	int	<input type="checkbox"/>
guest_name	varchar(15)	<input type="checkbox"/>
guest_m_name	varchar(15)	<input type="checkbox"/>
guest_l_name	varchar(15)	<input type="checkbox"/>
guest_address	varchar(MAX)	<input type="checkbox"/>
guest_mobile_number1	numeric(10, 0)	<input type="checkbox"/>
guest_mobile_number2	numeric(10, 0)	<input checked="" type="checkbox"/>
cin_date	date	<input type="checkbox"/>
cout_date	date	<input type="checkbox"/>
c_days	int	<input type="checkbox"/>
c_nights	int	<input type="checkbox"/>
c_adults	int	<input type="checkbox"/>
c_childrens	int	<input type="checkbox"/>
c_room_no	int	<input type="checkbox"/>
c_room_type	varchar(15)	<input type="checkbox"/>
c_pkg_name	varchar(15)	<input type="checkbox"/>
c_total_amount_paid	money	<input type="checkbox"/>
c_gst	int	<input type="checkbox"/>
c_discount	int	<input type="checkbox"/>
c_discount_name	varchar(15)	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
Check_id	int	<input type="checkbox"/>
s_id	int	<input type="checkbox"/>
s_services_name	varchar(15)	<input type="checkbox"/>
prize	money	<input type="checkbox"/>

Package Data:

Column Name	Data Type	Allow Nulls
pkg_id	int	<input type="checkbox"/>
pkg_name	varchar(20)	<input type="checkbox"/>
pkg_type	varchar(20)	<input type="checkbox"/>
day	int	<input type="checkbox"/>
night	int	<input type="checkbox"/>
prize	money	<input type="checkbox"/>
valid_for	int	<input type="checkbox"/>
create_date	date	<input type="checkbox"/>
last_date	date	<input type="checkbox"/>
pkg_guid	bit	<input type="checkbox"/>
discount_name	varchar(5)	<input type="checkbox"/>
discount	numeric(10, 3)	<input type="checkbox"/>
pkg_img	image	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
pkg_id	int	<input type="checkbox"/>
s_id	int	<input type="checkbox"/>
Name	varchar(50)	<input type="checkbox"/>
type	varchar(50)	<input type="checkbox"/>
cost	money	<input type="checkbox"/>

Reservation Table

Column Name	Data Type	Allow Nulls
r_id	int	<input type="checkbox"/>
r_guest_name	varchar(MAX)	<input type="checkbox"/>
r_middle_name	varchar(MAX)	<input type="checkbox"/>
r_last_name	varchar(MAX)	<input type="checkbox"/>
r_address	varchar(MAX)	<input type="checkbox"/>
r_mobile_number	numeric(10, 0)	<input type="checkbox"/>
r_opt_mobile_number	numeric(10, 0)	<input type="checkbox"/>
r_reservation_date	date	<input type="checkbox"/>
r_check_in_date	date	<input type="checkbox"/>
r_discount_name	varchar(MAX)	<input type="checkbox"/>
r_discount	int	<input type="checkbox"/>
r_days	int	<input type="checkbox"/>
r_nights	int	<input type="checkbox"/>
r_adults	int	<input type="checkbox"/>
r_no_childerns	int	<input type="checkbox"/>
r_pkg_name	nchar(10)	<input type="checkbox"/>
r_total	money	<input type="checkbox"/>
r_advance	money	<input type="checkbox"/>
r_sub_total	money	<input type="checkbox"/>

Login Table

Column Name	Data Type	Allow Nulls
► login_id	nchar(10)	<input type="checkbox"/>
user_name	varchar(10)	<input type="checkbox"/>
user_password	nvarchar(10)	<input type="checkbox"/>
user_role	char(50)	<input type="checkbox"/>
user_image	image	<input checked="" type="checkbox"/>

Employee Data

Column Name	Data Type	Allow Nulls
e_id	int	<input type="checkbox"/>
e_img	image	<input type="checkbox"/>
e_name	varchar(15)	<input type="checkbox"/>
e_father_name	varchar(15)	<input type="checkbox"/>
e_surname	varchar(50)	<input type="checkbox"/>
e_adhar_no	numeric(12, 0)	<input type="checkbox"/>
e_address	nvarchar(80)	<input type="checkbox"/>
e_mob_no1	numeric(12, 0)	<input type="checkbox"/>
e_mob_no2	numeric(12, 0)	<input checked="" type="checkbox"/>
e_birth_day	date	<input type="checkbox"/>
e_join_day	date	<input type="checkbox"/>
e_age	int	<input type="checkbox"/>
e_type	char(20)	<input type="checkbox"/>
e_salary	money	<input type="checkbox"/>

Services Table

Column Name	Data Type	Allow Nulls
s_id	int	<input type="checkbox"/>
s_name	varchar(20)	<input type="checkbox"/>
s_type_hotel	bit	<input type="checkbox"/>
s_type_restarunt	bit	<input type="checkbox"/>
service_type	varchar(50)	<input type="checkbox"/>
prize	money	<input checked="" type="checkbox"/>

Room Data Table

Column Name	Data Type	Allow Nulls
room_id	int	<input type="checkbox"/>
room_no	int	<input type="checkbox"/>
room_type	varchar(15)	<input type="checkbox"/>
total_capacity	int	<input type="checkbox"/>
prize	money	<input type="checkbox"/>
room_desc	varchar(MAX)	<input type="checkbox"/>
room_img	image	<input type="checkbox"/>
room_statuses	bit	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

Restaurant Bill Table

Column Name	Data Type	Allow Nulls
bill_no	int	<input type="checkbox"/>
customer_name	varchar(20)	<input type="checkbox"/>
table_no	int	<input type="checkbox"/>
amount_paid	money	<input type="checkbox"/>
gst	int	<input type="checkbox"/>
bill_date	datetime2(7)	<input type="checkbox"/>

Column Name	Data Type	Allow Nulls
bill_id	int	<input type="checkbox"/>
customer_name	varchar(15)	<input type="checkbox"/>
table_no	int	<input type="checkbox"/>
menu_name	varchar(15)	<input type="checkbox"/>
menu_prize	money	<input type="checkbox"/>
qty	int	<input type="checkbox"/>
all_prize	money	<input type="checkbox"/>

Menu Table

Column Name	Data Type	Allow Nulls
menu_id	int	<input type="checkbox"/>
menu_name	varchar(15)	<input type="checkbox"/>
menu_category	char(10)	<input type="checkbox"/>
menu_image	image	<input type="checkbox"/>
menu_type	varchar(10)	<input type="checkbox"/>
menu_time	int	<input type="checkbox"/>
chef_name	char(20)	<input type="checkbox"/>
prize	money	<input type="checkbox"/>

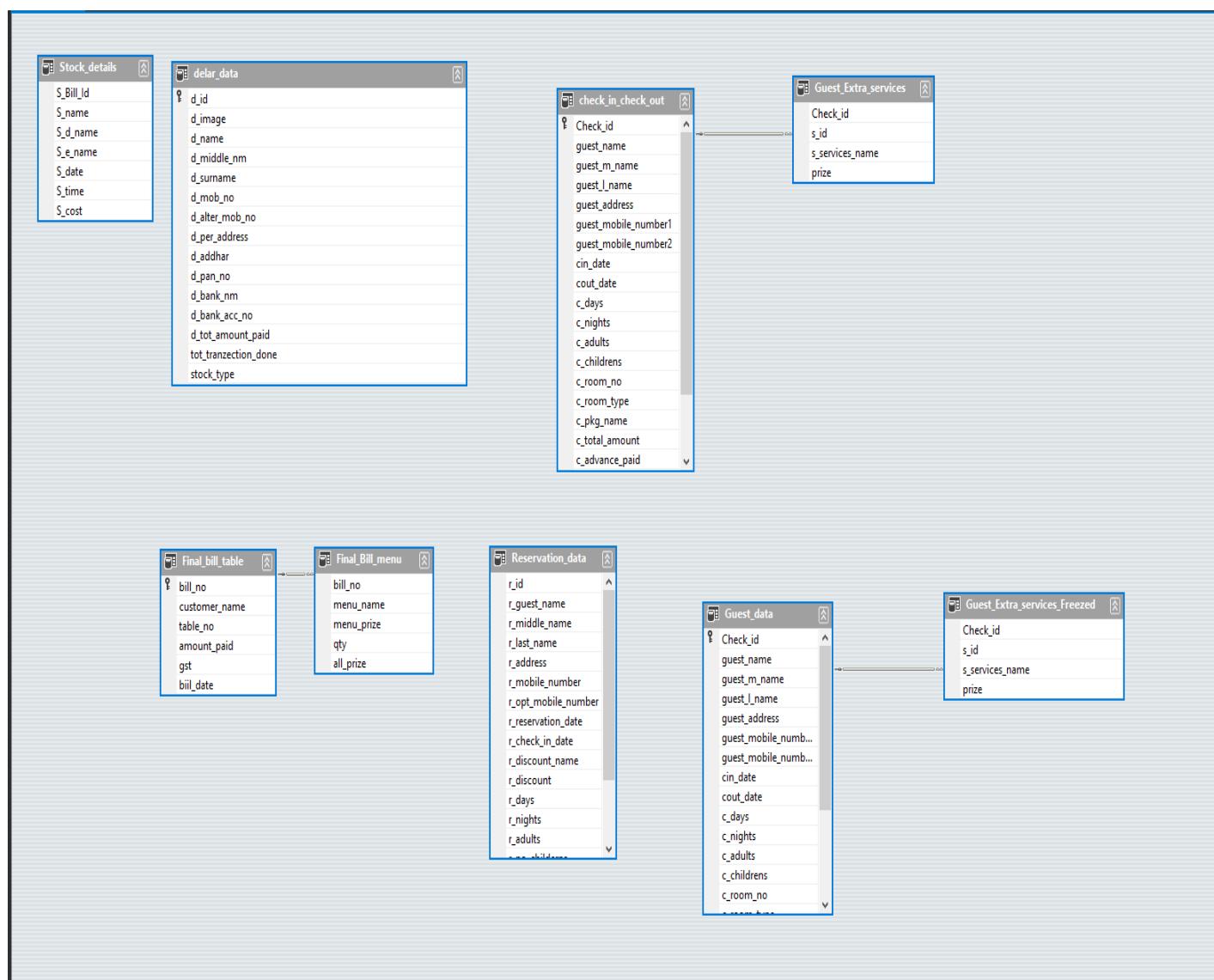
Dealer Info Table

	Column Name	Data Type	Allow Nulls
💡	d_id	int	<input type="checkbox"/>
	d_image	image	<input type="checkbox"/>
	d_name	varchar(10)	<input type="checkbox"/>
	d_middle_nm	varchar(10)	<input checked="" type="checkbox"/>
	d_surname	varchar(10)	<input type="checkbox"/>
	d_mob_no	numeric(10, 0)	<input type="checkbox"/>
	d_alter_mob_no	numeric(10, 0)	<input checked="" type="checkbox"/>
	d_per_address	nvarchar(50)	<input type="checkbox"/>
	d_addhar	numeric(12, 0)	<input type="checkbox"/>
	d_pan_no	nvarchar(20)	<input type="checkbox"/>
	d_bank_nm	varchar(30)	<input type="checkbox"/>
	d_bank_acc_no	numeric(14, 0)	<input type="checkbox"/>
	d_tot_amount_paid	money	<input type="checkbox"/>
	tot_tranzection_done	int	<input type="checkbox"/>
	stock_type	varchar(20)	<input type="checkbox"/>

Stock Table

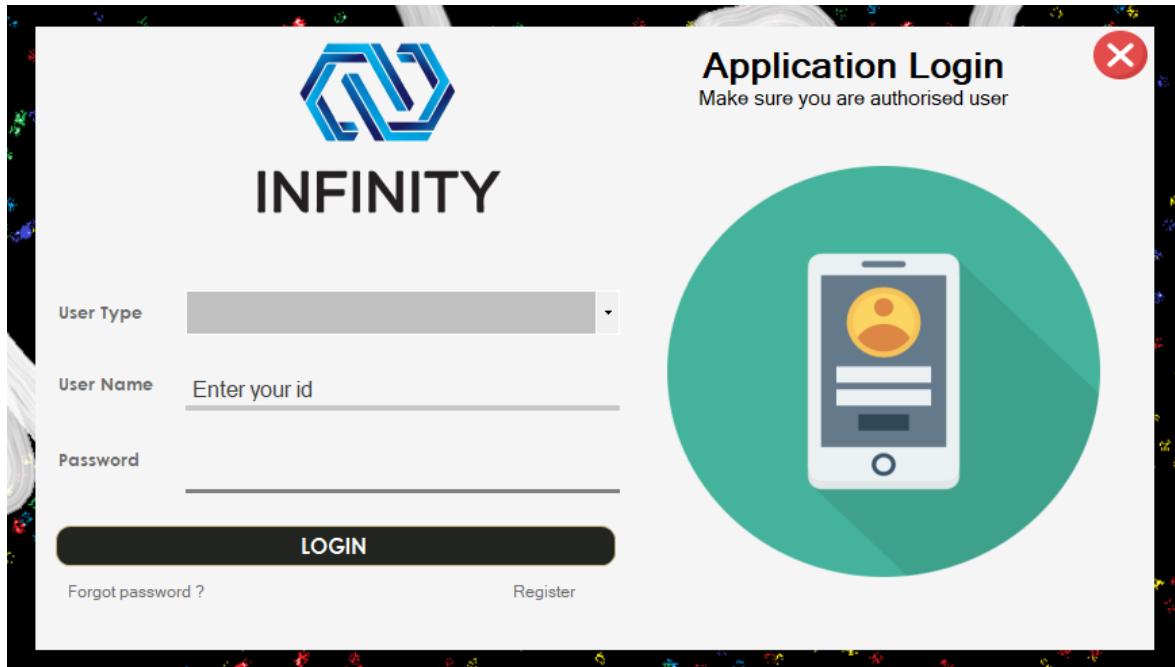
	Column Name	Data Type	Allow Nulls
	stock_bill_id	int	<input type="checkbox"/>
	e_id	int	<input type="checkbox"/>
	employe_name	varchar(50)	<input type="checkbox"/>
	stock_name	varchar(10)	<input type="checkbox"/>
	stock_add_date	date	<input type="checkbox"/>
	stock_add_time	time(7)	<input type="checkbox"/>
	delear_name	varchar(50)	<input type="checkbox"/>
	stock_bill_img	image	<input type="checkbox"/>
	amount_paid	money	<input type="checkbox"/>
	d_id	int	<input type="checkbox"/>

Report Dataset



Screen Shots

Login

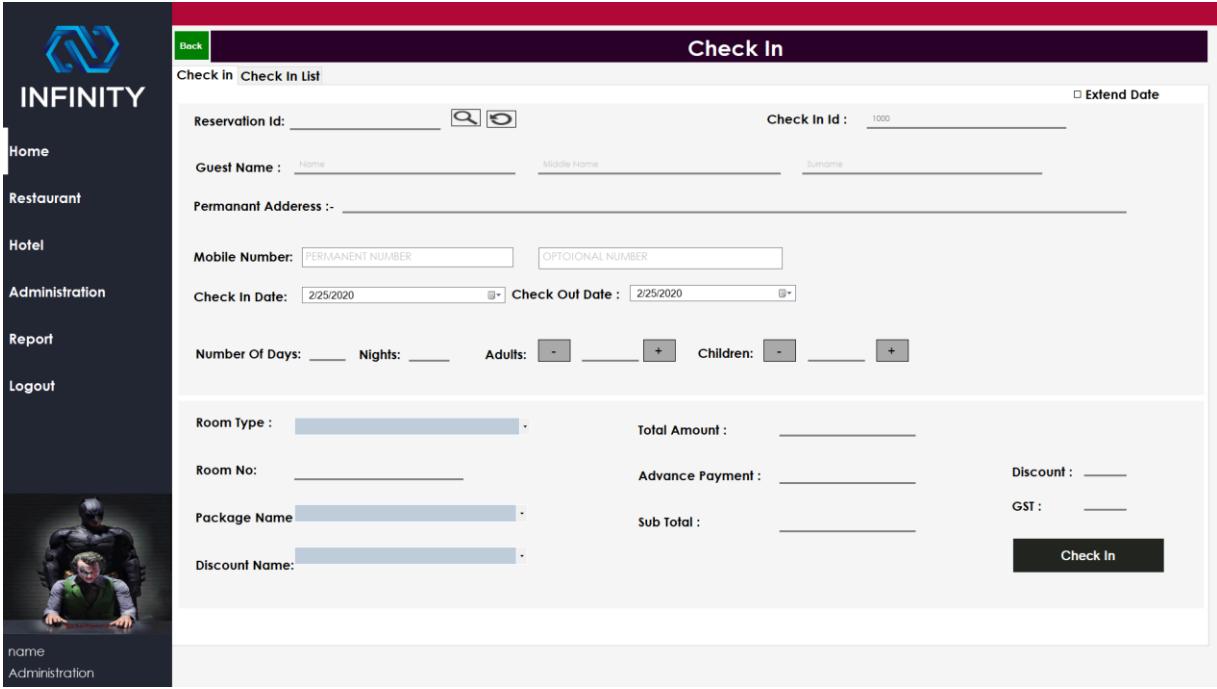


Home

A screenshot of the application's home page. On the left is a vertical navigation sidebar with a dark background. It features the INFINITY logo at the top, followed by a list of links: "Home", "Restaurant", "Hotel", "Administration", "Report", and "Logout". Below these links is a small decorative image of two characters from the movie "The Dark Knight". At the very bottom of the sidebar is a "name" field containing "Administration". The main content area has a light gray background. It features a large, horizontal image of a person frying jalebi (a traditional Indian sweet) in a large pan. To the left of this image is a dark sidebar with a red header bar. The red bar contains the INFINITY logo and the word "INFINITY" again. Below the red bar, the sidebar lists the same navigation links: "Home", "Restaurant", "Hotel", "Administration", "Report", and "Logout".

Infinity Management System

Check in



Check In

Check In Check In List

Reservation Id: _____

Check In Id : 1000

Guest Name : _____ Middle Name _____ Surname _____

Permanent Address :- _____

Mobile Number:

Check In Date: 2/25/2020 Check Out Date: 2/25/2020

Number Of Days: _____ Nights: _____ Adults: Children:

Room Type : _____ Total Amount : _____

Room No: _____ Advance Payment : _____ Discount : _____

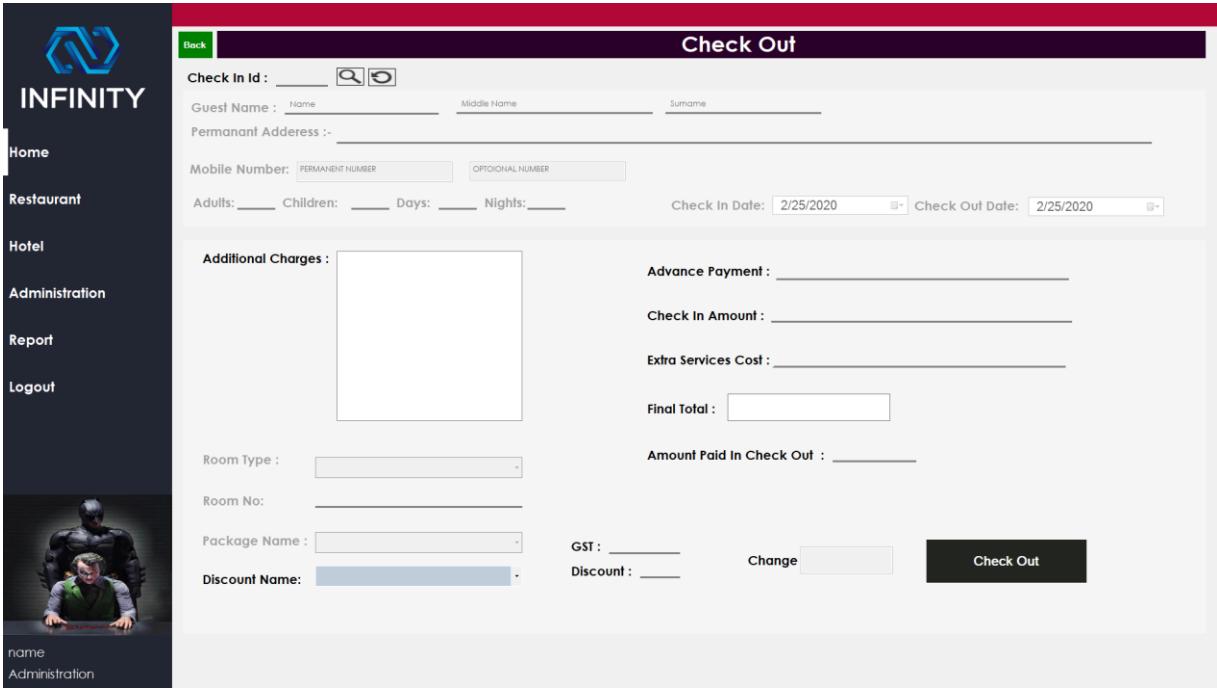
Package Name _____ Sub Total : _____ GST : _____

Discount Name: _____

Check In

name
Administration

Check out



Check Out

Check In Id : _____

Guest Name : _____ Middle Name _____ Surname _____

Permanent Address :- _____

Mobile Number:

Adults: _____ Children: _____ Days: _____ Nights: _____

Check In Date: 2/25/2020 Check Out Date: 2/25/2020

Additional Charges :

Advance Payment : _____

Check In Amount : _____

Extra Services Cost : _____

Final Total :

Room Type : _____ Amount Paid In Check Out : _____

Room No: _____

Package Name : _____

GST : _____

Discount Name: _____ Discount : _____

Check Out

name
Administration

Infinity Management System

Hotel Bill

Restarunt Bill

bill_no	customer_name	table_no	amount_paid	gst	bil_date
1					
2					
3					
4					

Customer Type :- Regular Guest

Table No. :- **Bill No. :-** **Date :-** 2/25/2020

Customer Name. :-

Menu Name. :-

Quantity. :- **Cost :-**

Total Cost :-

Add **Bill** **GST :-**

name
Administration

Dealer Management

Delear Management

Delear Id :- 101 **Search**

Personal Information

Name :- **Middle Name :-** **SurName :-** **Profile**

Mobile Number :- Permanent number Optional number

Permanant Address :-

Professional Information

Adhar Number :- **Pan Number :-**

Bank Name:- **Bank Account Number :-**

Total Amount Paid :- **Total Tranzactions Done :-** **Stock Type :-**

New **Save** **Update**

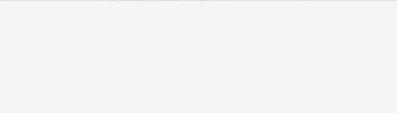
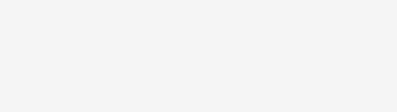
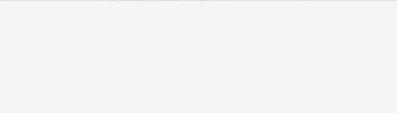
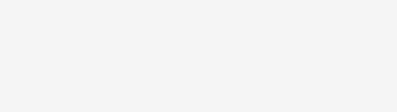
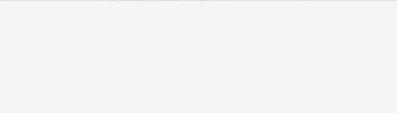
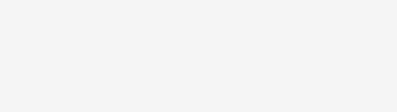
d_id	d_image	d_name	d_middle_nm	d_surname	d_mob_no	d_ader_mob_no	d_per_address	d_dether	d_pan_no	d_berk_nm	d_bank_acc_no	d_tot_amount_paid	tot_tranzaction_done	stock_type
100		pratik	ajendra	jagdale	95014332	789654123	satara	12345678912	12def1212	India	12356478912	10500.0000	3	Food
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

name
Administration

Infinity Management System

Stock Master

Stock Management

Stock Bill Id :-	<input type="text" value="103"/>	<input type="button" value="Search"/>	<input type="button" value="Upload"/>																																									
Employee ID:-	<input type="text"/>			Bill Image																																								
Date :-	<input type="text" value="2/25/2020"/>	Time:-	<input type="text" value="03:32 PM"/>																																									
Import From	<input type="text"/>	Delear Id :-	<input type="text"/>	Stock type :- <input type="text"/>																																								
<input type="button" value="Add Bill"/>		<input type="text" value="Amount Paid"/>																																										
From: <input type="text" value="2/25/2020"/> To: <input type="text" value="2/25/2020"/> <input type="button" value="View All"/> <input type="button" value="Refresh"/>																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>stock_bill_id</th> <th>e_id</th> <th>employee_name</th> <th>stock_name</th> <th>stock_add_date</th> <th>stock_add_time</th> <th>delear_name</th> <th>stock_bill_img</th> <th>amount_paid</th> <th>d_id</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>101</td> <td>vishal udugade</td> <td>Food</td> <td>2/17/2020</td> <td>23:28:54</td> <td>pratik jagdale</td> <td></td> <td>5000.0000</td> <td>100</td> </tr> <tr> <td>101</td> <td>100</td> <td>om p</td> <td>Grossary</td> <td>2/17/2020</td> <td>23:34:09</td> <td>pratik jagdale</td> <td></td> <td>1000.0000</td> <td>100</td> </tr> <tr> <td>102</td> <td>101</td> <td>vishal udugade</td> <td>Drinks</td> <td>2/18/2020</td> <td>01:22:27</td> <td>pratik jagdale</td> <td></td> <td>4500.0000</td> <td>100</td> </tr> </tbody> </table>					stock_bill_id	e_id	employee_name	stock_name	stock_add_date	stock_add_time	delear_name	stock_bill_img	amount_paid	d_id	100	101	vishal udugade	Food	2/17/2020	23:28:54	pratik jagdale		5000.0000	100	101	100	om p	Grossary	2/17/2020	23:34:09	pratik jagdale		1000.0000	100	102	101	vishal udugade	Drinks	2/18/2020	01:22:27	pratik jagdale		4500.0000	100
stock_bill_id	e_id	employee_name	stock_name	stock_add_date	stock_add_time	delear_name	stock_bill_img	amount_paid	d_id																																			
100	101	vishal udugade	Food	2/17/2020	23:28:54	pratik jagdale		5000.0000	100																																			
101	100	om p	Grossary	2/17/2020	23:34:09	pratik jagdale		1000.0000	100																																			
102	101	vishal udugade	Drinks	2/18/2020	01:22:27	pratik jagdale		4500.0000	100																																			

Menu

Menu Manegment

Menu Id:-	<input type="text" value="101"/>	<input type="button" value="Search"/>	Menu Category:-	<input type="text" value="Veg"/>	
Menu Name:-	<input type="text" value="Pizza"/>		Menu Time :-	<input type="text" value="40"/>	
Menu Type :-	<input type="text" value="Break Fast"/>		Chef Name :-	<input type="text" value="om p"/>	
<input type="button" value="New"/>		<input type="button" value="Save"/>	<input type="button" value="Update"/>		
 <input type="text" value="Prize:- 100.0000"/> <input type="button" value="Browse"/>					
 Menu Name :- <input type="text" value="Pizza"/> Menu Type :- <input type="text" value="Break Fast"/> Menu Category:- <input type="text" value="Veg"/> Prize :- <input type="text" value="100.0000"/>					

Reservation Detail

INFINITY

Package Info

Back

Package Id:-	100	<input type="button" value="Search"/>	<input type="button" value="New"/>	
Package Name :-	<input type="text" value="Holiday"/>			
Package Type :-	<input type="text" value="Gold"/>			
Duration :-	5	Days	4	Nights
Grand Prize:-	<input type="text" value="1500.0000"/>			



Package Name :- Holiday
Package Type :- Gold
Services :-
 Room service
 High Ball

Duration :- 5 Days 4 Nights
Services Guide :- Yes No
Discount :- 5.00%
Grand Prize:- 1500.0000

name
Administration

Guest Detail

INFINITY

Guest Information

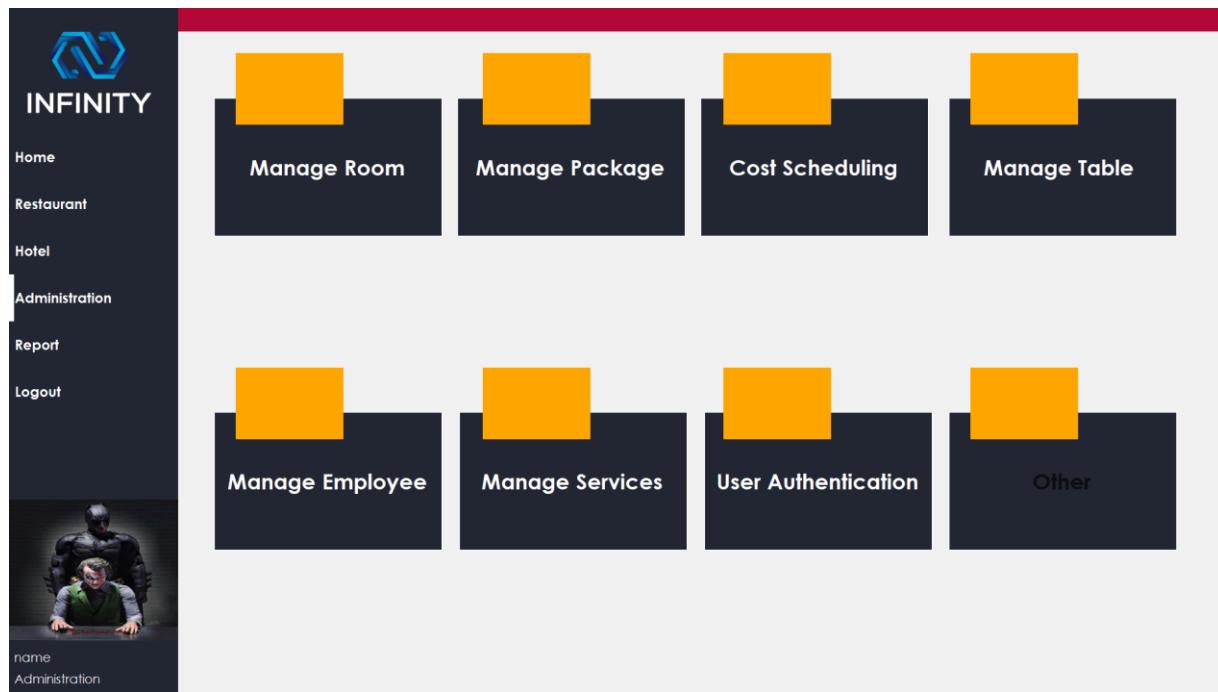
Back

Guest Detail Guest List

Guest Id:-	1000	<input type="button" value="Search"/>	<input type="button" value="New"/>
Personal Information			
Name :-	om	Middle Name :-	laxman
SurName :-	patil		
Permanent Address :-	A/p_shenoi,Tal_karad		
Mobile Number :-	9503413441	457	
Professional Information			
Room No	100	Room Type :-	Gold
Package Name :-	Holiday		
Days:	1	Nights:	1
Adults:	1	Children:	0
Check In Date:	2/15/2020		
Check Out Date:	2/15/2020		
Additional Services :	<input type="checkbox"/> High Ball <input type="checkbox"/> Food Cort <input type="checkbox"/> Room service		
Discount :	3	GST :	2
Amount paid :-	<input type="text" value="8000.0000"/>		

name
Administration

Administrative Tools



Create Package

Package Management

Package Id:-	<input type="text" value="101"/>	<input type="button" value="Search"/>	<input type="button" value="Reset"/>
Package Name :-	<input type="text"/>		
Package Type :-	<input type="button" value="..."/>		
Duration :-	<input type="checkbox"/> Days	<input type="checkbox"/> Nights	
Create Date:-	<input type="text" value="2/25/2020"/>		
Services :-	<input type="checkbox"/> Room service <input type="checkbox"/> Food Cort <input type="checkbox"/> High Ball		
Valid For :-	<input type="text"/>	<input type="button" value="..."/>	<input type="button" value="Browse"/>
Last Date:-	<input type="text" value="2/25/2020"/>		
Services Guide :-	<input type="radio"/> Yes <input type="radio"/> No		
All Services Cost:-	<input type="text"/>		
Discount Name:-	<input type="text"/>		
Discount :-	<input type="text"/> %		
Final Prize:-	<input type="text"/>		

Employee Management

Employee Management

Employee Id:	102	Search	
Employee Name :	Name _____	Middle Name _____	Surname _____
Permanent Address :- _____			
Mobile Number :-	Permanent number _____	Optional number _____	Adhar Number :- 1000000000000000
Birth Date :-	2/25/2020	Join In Date :-	2/25/2020
Age:-	0	Employee type: -	
Salary :-	[-] [+]		
<input type="button" value="New"/> <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/>			
e_id	e_name	e_father_name	e_surname
100	John	Doe	Jones
101	Vimal	Shiv	Chauhan

Room Management

Room Management

Room No:-	1001	<input type="button" value="Search"/>
Room Id:-	101	
Room Type :-	<input type="button" value=""/>	
Total Capacity :-	<input type="text"/>	
Room Description:-		<input type="button" value="Upload"/>
<input type="button" value="New"/> <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Hold"/> <input type="button" value="Delete"/>		

User Management

User Management

User ID :-

Name :-

Password :-

User Role :- Administration

Confirm Password :-
Password Matched

New Save Delete Update

login_id	user_name	user_password	user_role
100	name	password	Administration
101	name2	password2	Employee
102	name3	password3	Chef
103	name4	password4	Receptionist

Reports

INFINITY

Reservation List Report

Stock Records Report

Hotel Bill's

Restarunt Bill's

All Dealear

Reservation Information

The screenshot shows a web-based application interface for managing reservations. On the left is a dark sidebar with the 'INFINITY' logo at the top and a navigation menu below it. The menu items include Home, Restaurant, Hotel, Administration, Report, and Logout. Below the menu is a small image of two characters from the movie 'The Dark Knight'. At the bottom of the sidebar, it says 'name' and 'Administration'. The main content area has a red header bar with buttons for 'From' (3/14/2020), 'To' (3/14/2020), 'View', 'View All', and 'Reset'. Below this is a table titled 'RESERVATION LIST' with columns: ID, Name, Date, Reservation Date, Arrival Date, Name, Address, and Address2. A single row is visible in the table. The status bar at the bottom indicates 'Saturday, March 14, 2020' and 'Page 1 of 1'.

Stock Information

The screenshot shows a web-based application interface for managing stock updates. The layout is similar to the previous screenshot, with a dark sidebar on the left containing the 'INFINITY' logo, navigation menu, and character image. The main content area features a red header bar with date range buttons ('From' 3/14/2020, 'To' 3/14/2020) and 'View' buttons. Below this is a table titled 'STOCK UPDATES' with columns: BILL NO., STOCK NAME, IMPORT FROM, IMPORT BY, DATE, TIME, and AMOUNT. Five rows of data are listed, showing imports from 'pratik jagdale' and 'vishal udugade' on different dates and times. The total amount is displayed as 'Total Amount 16700.0000'. The status bar at the bottom indicates 'Saturday, March 14, 2020' and 'Page 1 of 1'.

Dealer Information

The screenshot shows the 'DEALER BUSINESS' section of the Infinity Management System. At the top, there is a search bar with 'Search Type' set to 'Name' and a search input field containing 'P'. Below the search bar is a button labeled 'View' and a link 'View All'. The date 'Saturday, March 14, 2020' is displayed above the main grid. The grid has columns: NO., ID, NAME, STOCK TYPE, IMPORT COUNT, and TOTAL AMOUNT. The data shows two entries:

NO.	ID	NAME	STOCK TYPE	IMPORT COUNT	TOTAL AMOUNT
1	100	pratik rajendra jagdale	Food	4	11700.0000
2	101	vishal deep udugade	Drinks	11	5000.0000
					GRAND TOTAL 16700.0000

Hotel Bill

The screenshot shows the 'Infinity Hotel Bill' section. At the top, there is a search bar with 'Check In Id' set to '1000' and a 'View' button. Below the search bar is a 'Reset' button. The main area displays a detailed bill summary with the following information:

Check In Id: 1000
Name: Atul sunil salunkhe
Mobile Number: 7798554556
Check In Date: 2/28/2020 12:00:00 AM **Check Out Date:** 2/28/2020 12:00:00 AM
Days: 5 **Nights:** 4 **Adults:** 4 **Child's:** 5
Package Information:
 Package Name: Holiday Room No: 1000 Room Type: Gold

Used Services		
No.	Service	Price
1	Room service	1000.0000
2	High Ball	1000.0000
3	Food Cart	5000.0000

Discount Name: Boom **Services Sub Total:** 7000.0000
Discount: 5 **Package Price:** 1500.0000
GST: 2 **Room Price:** 4500.0000

Paid: 11760.0000

THANK YOU FOR VISITING US

Restaurant Bill

The screenshot shows the 'Infinity Management System' interface for a restaurant bill. On the left is a dark sidebar with the 'INFINITY' logo at the top, followed by navigation links: Home, Restaurant, Hotel, Administration, Report, and Logout. Below these is a small image of Batman and Joker. At the bottom of the sidebar, it says 'name' and 'Administration'. The main area has a red header bar with the text 'Bill No.' followed by a text input field containing '5', and buttons for 'View' and 'Reset'. The main content area is titled 'Infinity Resturant Bill' and shows the following details:

2/27/2020 11:03:27 AM
BILL NO. 5
Customer Name: Pratik

ORDER

No.	Menu Name	Price	Quantity	Total
1	Pizza	100.0000	2	200.0000
2	Jalebi	150.0000	5	750.0000

Sub Total 950.0000
GST 10
Paid 997.5000

THANK YOU FOR VISITING US

This application was created using the trial version of the XtraReports.

Coding

Common Connection Module

```

Imports System.Data.SqlClient
Imports System.IO
Imports Bunifu.Framework.UI

Module connection
    Public obj As New OpenFileDialog
    Public ms As New MemoryStream
    Public con As SqlConnection
    Public cmd As SqlCommand
    Public dr As SqlDataReader
    Public Sub getconnection()

        con = New SqlConnection
        con.ConnectionString = "Data Source=.\sqlexpress;Initial Catalog=infinity;Integrated Security=True"

        If con.ConnectionString <> constring Then
            MsgBox("Database connection failed ", MsgBoxStyle.Critical +
        MsgBoxStyle.Information, "Try Again")
            Exit Sub
        ElseIf con.State = ConnectionState.Closed Then
            con.Open()
        Else
            MsgBox("Not Connected")
        End If
    End Sub
    Public Sub endconnection()
        If con.State = ConnectionState.Open Then
            con.Close()
        End If
    End Sub
    Function autoincr(ByVal get_string As String, ByVal start_no As Integer)
        Dim cnt As Integer
        getconnection()
        cmd = New SqlCommand(get_string, con)
        cnt = cmd.ExecuteScalar()
        cnt = cnt + start_no
        cmd.Dispose()
        endconnection()
        Return cnt
    End Function
    Sub grid_load(ByRef str As String, ByRef dg As DataGridView)
        Try
            getconnection()
            cmd = New SqlCommand(str, con)
            Dim da As New SqlDataAdapter(cmd)
            Dim dt As New DataTable()
            da.Fill(dt)
            dg.DataSource = dt
            cmd.Dispose()
            endconnection()
        Catch ex As Exception
        End Try
    End Sub
End Module

```

```

Function max(ByVal str As String)
    Dim cnt As Integer
    getconnection()
    Dim cm As New SqlCommand
    cm = New SqlCommand(str, con)
    cnt = cm.ExecuteScalar()
    cnt = cnt + 1
    endconnection()
    cm.Dispose()
    Return cnt
End Function
End Module

```

Global Class

```

Imports System.IO

Public Class global_class
    Public Shared load_services As Byte = True
    Public Shared table_restriction As Byte = True
    Public Shared n As Integer = 0
    Public Shared hold_pkg_services(100) As Integer
    Public Shared hold_services_type(100) As String
    Public Shared hold_pkg_service_prize(100) As Double
    Public Shared d_id_arr(100) As Integer
    Public Shared temp As Byte = Nothing
    Public Shared time_var As Integer = 0

    Public Shared user_statues As String 'main_menu
    Public Shared user_name As String 'main_menu
    Public Shared user_image As Byte() 'main_menu
    Public Shared Sub side_moving(ByRef pan_moving As Panel, ByRef btn_common As Button)
        pan_moving.Height = btn_common.Height
        pan_moving.Top = btn_common.Top
    End Sub
    Public Shared Sub browse(ByRef search As Image)
        obj.Filter = "choose Images(*.JPG;*.PNG;*GIF)|*.jpg;*.png;*.gif"
        If obj.ShowDialog = DialogResult.OK Then
            search = Image.FromFile(obj.FileName)
        End If
    End Sub
    Public Shared Function view(ByVal imag As Byte())
        Using ms As New MemoryStream(imag)
            Return Image.FromStream(ms)
        End Using
    End Function

    Public Shared Sub clearAllCombo(ByVal objcbo As Object)
        For Each cbo As Control In objcbo.Controls
            If cbo.GetType Is GetType(ComboBox) Then
                cbo.Text = ""
            End If
        Next
    End Sub

```

Infinity Management System

```
Public Shared Sub clearAllbunifuTextbo(ByVal objtxt As Object)
    For Each cbo As Control In objtxt.controls
        If cbo.GetType Is GetType(Bunifu.Framework.UI.BunifuMaterialTextbox) Then
            cbo.Text = ""
        End If
    Next
End Sub
Public Shared Sub clearAllmetrobunifuTextbo(ByVal objtxt As Object)
    For Each cbo As Control In objtxt.controls
        If cbo.GetType Is GetType(Bunifu.Framework.UI.BunifuMetroTextbox) Then
            cbo.Text = ""
        End If
    Next
End Sub

Public Shared Sub clearAlldatetimepicker(ByVal objtxt As Object)
    For Each cbo As Control In objtxt.controls
        If cbo.GetType Is GetType(DateTimePicker) Then
            cbo.Text = ""
        End If
    Next
End Sub
Public Shared Sub clearAllcombo_box(ByVal objtxt As Object)
    For Each cbo As Control In objtxt.controls
        If cbo.GetType Is GetType(ComboBox) Then
            cbo.Text = ""
        End If
    Next
End Sub
End Class
```

Login Form

```

Imports System.Data.SqlClient

Public Class Login
    Private Sub btn_login_Click(sender As Object, e As EventArgs) Handles
btn_login.Click
        If tb_id.Text <> "" And tb_password.Text <> "" And cmb_user_type.SelectedIndex
<> -1 Then
            getconnection()
            cmd = New SqlCommand("select * from login where user_name='" & tb_id.Text &
"and user_password=''" & tb_password.Text & "' and user_role=''" + cmb_user_type.Text +
"', con)
            'cmd.CommandText = "select * from login where user_name=''" & tb_id.Text &
"and user_password=''" & tb_password.Text & "' and user_role=''" + cmb_user_type.Text +
"''"
            dr = cmd.ExecuteReader
            If dr.Read() Then
                If dr("user_role") = "Administration
" Then
                    MessageBox.Show("Welcome Admin", "ADMIN")
                ElseIf dr("user_role") = "Recepationeast
" Then
                    MessageBox.Show("Welcome sir", "Recepationeast",
MessageBoxButtons.OK, MessageBoxIcon.Asterisk)
                ElseIf dr("user_role") = "Employe
" Then
                    MessageBox.Show("Welcome sir", "Employe", MessageBoxButtons.OK,
MessageBoxIcon.Asterisk)
                ElseIf dr("user_role") = "Chef
" Then
                    MessageBox.Show("Welcome sir", "Chef", MessageBoxButtons.OK,
MessageBoxIcon.Asterisk)
                End If
                global_class.user_statues = dr("user_role")
                global_class.user_name = dr("user_name")
                global_class.user_image = dr("user_image")
                dr.Close()
                con.Close()
                Me.Hide()
                cmb_user_type.SelectedIndex = -1
                tb_password.Text = ""
                tb_id.Text = ""
                main_menu.Show()
            Else
                MessageBox.Show("INVALID USER NAME OR PASSWORD", "FAILED",
MessageBoxButtons.RetryCancel, MessageBoxIcon.Warning)
            End If
            dr.Close()
        Else
            MessageBox.Show("You Must fill all fild")
        End If
        endconnection()
    End Sub
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Me.Close()
    End Sub
    Private Sub BunifuThinButton21_Click(sender As Object, e As EventArgs)
        tb_id.Text = ""
    End Sub
End Class

```

Main Form

```

Public Class main_menu
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Me.Close()
    End Sub

    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
        If global_class.time_var = 0 Then
            Dim max As Byte = main_img_slider.Images.Count
            Dim pos As Byte = 0
            main_img_slider.AnimationTime = 2500
            If pos < max Then
                main_img_slider.SlideNext()
                main_img_slider.SlideFirst()
            End If
        End If
    End Sub
    Private Sub main_menu_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        global_class.side_moving(pan_moving, btn_home)
        Timer1.Enabled = True
    End Sub
    Private Sub main_menu_activated(sender As Object, e As EventArgs) Handles
MyBase.Activated
        pb_user.Image = global_class.view(global_class.user_image)
        global_class.side_moving(pan_moving, btn_home)
        Timer1.Enabled = True
        lb_user_name.Text = global_class.user_name
        lbl_global_usr_statues.Text = global_class.user_statues

        If lbl_global_usr_statues.Text = "Administration"
        " Then
            btn_report.Visible = True
            btn_administartion.Visible = True
            btn_restorunt.Visible = True
            btn_home.Visible = True
            btn_hotal.Visible = True
            uchome.Instance.btn_checkin.Enabled = True
            uchome.Instance.btn_cout.Enabled = True
            uchome.Instance.btn_extra_services.Enabled = True

        ElseIf lbl_global_usr_statues.Text = "Recepationeast"
        " Then
            btn_hotal.Visible = True
            btn_report.Visible = False
            btn_administartion.Visible = False
            btn_restorunt.Visible = False
            btn_home.Visible = True
            uchome.Instance.btn_checkin.Enabled = True
            uchome.Instance.btn_cout.Enabled = True
            uchome.Instance.btn_extra_services.Enabled = True

        ElseIf lbl_global_usr_statues.Text = "Employe"
        " Then
            uchome.Instance.btn_checkin.Enabled = False
            uchome.Instance.btn_cout.Enabled = False
            uchome.Instance.btn_extra_services.Enabled = False
            btn_home.Visible = True
            btn_report.Visible = False
            btn_administartion.Visible = False

```

```

        Infinity Management System
        btn_restorunt.Visible = False

    ElseIf lbl_global_usr_statues.Text = "Chef"
    " Then

        btn_report.Visible = False
        btn_administartion.Visible = False
        btn_restorunt.Visible = True
        btn_hotal.Visible = False
        btn_home.Visible = False
    End If
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles btn_home.Click
    global_class.side_moving(pan_moving, btn_home)
    If Not main_panel.Controls.Contains(uchome.Instance) Then
        main_panel.Controls.Add(uchome.Instance)
        uchome.Instance.Dock = DockStyle.Fill
        uchome.Instance.BringToFront()
        uchome.Instance.Visible = True
    End If
    uchome.Instance.BringToFront()
    uchome.Instance.Visible = True
End Sub

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles
btn_restorunt.Click
    global_class.side_moving(pan_moving, btn_restorunt)
    If Not main_panel.Controls.Contains(ucr_main.Instance) Then
        main_panel.Controls.Add(ucr_main.Instance)
        ucr_main.Instance.Dock = DockStyle.Fill
        ucr_main.Instance.BringToFront()
        ucr_main.Instance.Visible = True
    End If
    ucr_main.Instance.BringToFront()
    ucr_main.Instance.Visible = True
End Sub

Private Sub Button4_Click(sender As Object, e As EventArgs) Handles btn_hotal.Click
    global_class.side_moving(pan_moving, btn_hotal)
    If Not main_panel.Controls.Contains(uchotel_main.Instance) Then
        main_panel.Controls.Add(uchotel_main.Instance)
        uchotel_main.Instance.Dock = DockStyle.Fill
        uchotel_main.Instance.BringToFront()
        uchotel_main.Instance.Visible = True
    End If
    uchotel_main.Instance.BringToFront()
    uchotel_main.Instance.Visible = True
End Sub

Private Sub Button7_Click(sender As Object, e As EventArgs) Handles
btn_administartion.Click
    global_class.side_moving(pan_moving, btn_administartion)
    If Not main_panel.Controls.Contains(ucadmin_main.Instance) Then
        main_panel.Controls.Add(ucadmin_main.Instance)
        ucadmin_main.Instance.Dock = DockStyle.Fill
        ucadmin_main.Instance.BringToFront()
        ucadmin_main.Instance.Visible = True
    End If
    ucadmin_main.Instance.BringToFront()
    ucadmin_main.Instance.Visible = True
End Sub

```

```

Private Sub Button6_Click(sender As Object, e As EventArgs) Handles btn_report.Click
    global_class.side_moving(pan_moving, btn_report)

    If Not main_panel.Controls.Contains(uc_report_main.Instance) Then
        main_panel.Controls.Add(uc_report_main.Instance)
        uc_report_main.Dock = DockStyle.Fill
        uc_report_main.Instance.BringToFront()
        uc_report_main.Instance.Visible = True
    End If
    uc_report_main.Instance.BringToFront()
    uc_report_main.Instance.Visible = True
End Sub

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles
btn_logout.Click
    global_class.side_moving(pan_moving, btn_logout)
    Me.Hide()
    Login.Show()
End Sub

Private Sub main_menu_Leave(sender As Object, e As EventArgs)
    global_class.side_moving(pan_moving, btn_home)
    main_panel.Controls.Remove(uchome.Instance)
    main_panel.Controls.Remove(ucr_main.Instance)
    main_panel.Controls.Remove(uchotel_main.Instance)
    main_panel.Controls.Remove(uc_report_main.Instance)
    main_panel.Controls.Remove(ucadmin_main.Instance)
End Sub

Private Sub PictureBox1_Click(sender As Object, e As EventArgs) Handles
PictureBox1.Click
    global_class.side_moving(pan_moving, btn_home)
    main_panel.Controls.Remove(uchome.Instance)
    main_panel.Controls.Remove(uchome_bill.Instance)
    main_panel.Controls.Remove(uchome_check_in.Instance)
    main_panel.Controls.Remove(uchome_check_out.Instance)
    main_panel.Controls.Remove(uc_home_Extra_services.Instance)

    main_panel.Controls.Remove(ucr_delear_datail.Instance)
    main_panel.Controls.Remove(ucr_kitchen.Instance)
    main_panel.Controls.Remove(ucr_menu.Instance)
    main_panel.Controls.Remove(ucr_stock.Instance)
    main_panel.Controls.Remove(ucr_tbl.Instance)
    main_panel.Controls.Remove(ucr_main.Instance)

    main_panel.Controls.Remove(uc_hotel_guest.Instance)
    main_panel.Controls.Remove(uchotel_pkg.Instance)
    main_panel.Controls.Remove(uchotel_reservation.Instance)
    main_panel.Controls.Remove(uchotel_room_manegement.Instance)
    main_panel.Controls.Remove(uchotel_main.Instance)

    main_panel.Controls.Remove(report_delear_payment_slip.Instance)
    ' main_panel.Controls.Remove(report_employe_payment_slip.Instance)
    main_panel.Controls.Remove(report_final_checkin_out.Instance)
    main_panel.Controls.Remove(report_hotal_bill.Instance)
    main_panel.Controls.Remove(report_restarunt.Instance)
    main_panel.Controls.Remove(report_Stock_records.Instance)
    main_panel.Controls.Remove(uc_report_main.Instance)

    main_panel.Controls.Remove(ucadmin_main.Instance)
    main_panel.Controls.Remove(uc_admin_costscheduling.Instance)
    main_panel.Controls.Remove(uc_admin_employee_manegment.Instance)

```

```

    Infinity Management System
    main_panel.Controls.Remove(uc_admin_other.Instance)
    main_panel.Controls.Remove(uc_admin_package_manege.Instance)
    main_panel.Controls.Remove(uc_admin_room_manegement.Instance)
    main_panel.Controls.Remove(uc_admin_services_manegement.Instance)
    main_panel.Controls.Remove(uc_admin_table_manegement.Instance)
    main_panel.Controls.Remove(uc_admin_user_authentication.Instance)
End Sub

Private Sub Button2_Click_1(sender As Object, e As EventArgs) Handles Button2.Click
    Me.WindowState = FormWindowState.Minimized
End Sub
End Class

```

Restaurant Bill

```

Imports System.Data.SqlClient

Imports DevExpress.XtraReports.UI

Public Class uchome_bill
    Inherits UserControl
    Private Shared _instanse As uchome_bill
    Public pcost As Double
    Public Shared ReadOnly Property Instance() As uchome_bill
        Get
            If _instanse Is Nothing Then
                _instanse = New uchome_bill()
            End If
            Return _instanse
        End Get
    End Property

    Private Sub tb_menu_name_Enter(sender As Object, e As EventArgs) Handles
tb_menu_name.Enter
        lb_menu_items.Visible = True
    End Sub
    Private Sub lb_menu_items_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles lb_menu_items.SelectedIndexChanged
        lb_menu_items.Visible = False
        tb_menu_name.Text = lb_menu_items.SelectedItem
    End Sub
    Private Sub tb_menu_name_TextChanged(sender As Object, e As EventArgs) Handles
tb_menu_name.TextChanged
        If tb_menu_name.Text <> "" Then
            getconnection()
            cmd = New SqlCommand("select prize from menu_data where menu_name='"
+ tb_menu_name.Text + "'", con)
            pcost = cmd.ExecuteScalar()

            endconnection()
            tb_cost.Text = pcost
        End If
    End Sub

    Private Sub tb_qty_TextChanged(sender As Object, e As EventArgs) Handles
tb_qty.TextChanged
        If tb_qty.Text <> "" Then
            tb_cost.Text = Val(tb_qty.Text) * pcost
        Else
            tb_cost.Text = pcost
        End If
    End Sub

```

```

End Sub

Private Sub btn_hm_order_Click(sender As Object, e As EventArgs) Handles
btn_hm_order.Click
    getconnection()
    If tb_table_number.Text <> "" And tb_bill_no.Text <> "" And
tb_customer_name.Text <> "" And tb_menu_name.Text <> "" Then
        cmd.Dispose()
        cmd = New SqlCommand("select count(menu_name) from temp_Bill_menu where
menu_name=' " + tb_menu_name.Text + "'", con)
        If cmd.ExecuteScalar() > 0 Then
            cmd.Dispose()
            cmd = New SqlCommand("update temp_Bill_menu set qty= qty + " +
tb_qty.Text + " , all_prize=all_prize +" + tb_cost.Text + " where menu_name=' " +
tb_menu_name.Text + "'", con)
            cmd.ExecuteNonQuery()
            grid_load("select * from temp_Bill_menu where bill_id=" +
tb_bill_no.Text + "", dgv_current_order)
            cmd.Dispose()
            Exit Sub
        End If
        cmd = New SqlCommand("insert into temp_Bill_menu values(" & tb_bill_no.Text
& "," & tb_table_number.Text & "," & tb_customer_name.Text & "','" & tb_menu_name.Text
& "','" & pcost & "," & tb_qty.Text & "," & tb_cost.Text & ")", con)
        cmd.ExecuteNonQuery()
        grid_load("select * from temp_Bill_menu where bill_id=" + tb_bill_no.Text +
"", dgv_current_order)
        tb_menu_name.Text = ""
        tb_qty.Text = ""
        tb_cost.Text = ""
        global_class.table_restriction = True
        cmd.Dispose()
        con.Open()
        cmd = New SqlCommand("select count(all_prize) from temp_Bill_menu where
table_no=" + tb_table_number.Text + "", con)
        If cmd.ExecuteScalar() = 0 Then
            tb_total_cost.Text = 0
        Else
            cmd.Dispose()
            cmd = New SqlCommand("select sum(all_prize) from temp_Bill_menu where
table_no=" + tb_table_number.Text + "", con)
            tb_total_cost.Text = cmd.ExecuteScalar()
        End If

        Else
            MsgBox("First Fill All Fild")
        End If
        cmd.Dispose()
        endconnection()
    End Sub

Private Sub btn_hm_Bill_Click(sender As Object, e As EventArgs) Handles
btn_hm_Bill.Click
    getconnection()
    Dim bill_id As Integer = tb_bill_no.Text
    If tb_table_number.Text <> "" Then
        cmd = New SqlCommand("select count(table_no) from temp_Bill_menu where
table_no=" & tb_table_number.Text & " ", con)
        If cmd.ExecuteScalar() <> 0 Then
            cmd.Dispose()
            If tb_bill_no.Text <> "" And tb_customer_name.Text <> "" And
tb_table_number.Text <> "" And tb_total_cost.Text <> "" And tb_hm_gst.Text <> "" Then
                Dim final_total As Double

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Infinity Management System

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        final_total = Val(tb_total_cost.Text) * ((100 +
Val(tb_hm_gst.Text)) / 100)
        cmd = New SqlCommand("insert into Final_bill_table values(" +
tb_bill_no.Text + "," + tb_customer_name.Text + "," + tb_table_number.Text + "," &
final_total & "," + tb_hm_gst.Text + "," + Date.Now + ')", con)
        cmd.ExecuteNonQuery()
        cmd.Dispose()

'*****=====
*****=====
*****=====

        Dim cnt As Integer
        cmd = New SqlCommand("select count(bill_id) from temp_Bill_menu
where bill_id=" + tb_bill_no.Text + " ", con)
        cnt = cmd.ExecuteScalar()
        cmd.Dispose()
        While cnt > 0
            Dim sdr As SqlDataReader
            cmd = New SqlCommand("select * from temp_Bill_menu where
bill_id = " + tb_bill_no.Text + "", con)
            sdr = cmd.ExecuteReader
            sdr.Read()
            cmd.Dispose()

            Dim val As Double = sdr("menu_prize") * sdr("qty")
            cmd = New SqlCommand("insert into Final_Bill_menu values(" &
sdr("bill_id") & "," & sdr("menu_name").ToString & "," & sdr("menu_prize") & "," &
sdr("qty") & "," & val & ")", con)
            Dim menu As String = sdr("menu_name").ToString
            sdr.Close()
            cmd.ExecuteNonQuery()
            cmd.Dispose()

            cmd = New SqlCommand("delete from temp_Bill_menu where
menu_name ='" + menu + "'", con)
            cmd.ExecuteNonQuery()
            cnt = cnt - 1
        End While
        pan_table.Controls.Clear()
        getconnection()
        Dim x As Integer = 17
        Dim y As Integer = 24
        Dim count As Integer = 1
        cmd = New SqlCommand("select * from table_data", con)
        Dim d As SqlDataReader
        d = cmd.ExecuteReader
        While d.Read()
            Dim obj = New uc_button
            obj.Location = New System.Drawing.Point(x, y)
            obj.lbl_table_name.Text = d("table_number")

            pan_table.Controls.Add(obj)
            y = y + 75
            count = count + 1
            If count > 4 Then
                count = 1
                x = x + 86
                y = 24
            End If
        End While

        grid_load("select * from Final_bill_table", dgv_billed_order)
        dgv_current_order.DataSource = ""
'*****=====

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Infinity Management System

```

        Dim dt As New DataTable
        Dim addpter As SqlDataAdapter

        cmd = New SqlCommand("SELECT * from Final_bill_table join
Final_Bill_menu on Final_bill_table.bill_no=Final_Bill_menu.bill_no where
Final_bill_table.bill_no=" & bill_id & "", con)
        addpter = New SqlDataAdapter(cmd)
        addpter.Fill(dt)
        If dt.Rows.Count <> 0 Then
            Dim report As New resto_bill_rpt
            report.DataSource = dt
            report.DataAdapter = addpter
            report.DataMember = "Final_bill_table"
            Dim tool As ReportPrintTool = New ReportPrintTool(report)
            report.CreateDocument()
            Resto_bill.Bill_doc.DocumentSource = report
            Resto_bill.ShowDialog()
            '.DocumentSource = report
        Else
            MessageBox.Show("No Record found!!!!!!!!!!")
        End If
        tb_customer_name.Text = ""
        tb_hm_gst.Text = ""
        tb_menu_name.Text = ""

        Else
            MsgBox("First Fill all the Filds")
        End If
    Else
        MsgBox("First Add menu to the List")
    End If
End If
endconnection()
End Sub
Private Sub RadioButton2_CheckedChanged(sender As Object, e As EventArgs) Handles
RadioButton2.CheckedChanged
    pan_load.Visible = True
    global_class.load_services = False
    pan_load.Controls.Clear()
    pan_load.Controls.Add(uc_home_Extra_services.hotel_Insatnce)
    global_class.clearAllmetrobunifuTextbo(uc_home_Extra_services.hotel_Insatnce)

    uc_home_Extra_services.hotel_Insatnce.panel_main_charge.Location = New
System.Drawing.Point(49, 75)
    uc_home_Extra_services.hotel_Insatnce.Label1.Location = New
System.Drawing.Point(46, 2)
End Sub

Private Sub RadioButton1_CheckedChanged(sender As Object, e As EventArgs) Handles
RadioButton1.CheckedChanged
    pan_load.Visible = False
End Sub

Private Sub uchome_bill_Load(sender As Object, e As EventArgs)
    panel_bill.Visible = True
    pan_table.Visible = True
End Sub
Private Sub Isnumeric(sender As Object, e As KeyPressEventArgs) Handles
tb_hm_gst.KeyPress, pan_table.KeyPress
    If ((e.KeyChar < Chr(48) Or e.KeyChar > Chr(57)) And e.KeyChar <> Chr(8)) Then
        e.Handled = True
    End If
End Sub

```

Infinity Management System

```

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Instance.Hide()
End Sub
End Class

```

Hotel Bill

```

Imports System.Data.SqlClient
Imports DevExpress.XtraReports.UI

Public Class uchome_check_out
    Inherits UserControl
    Private Shared _instanse As uchome_check_out
    Public final_total As Double
    Public Shared ReadOnly Property Instance() As uchome_check_out
        Get
            If _instanse Is Nothing Then
                _instanse = New uchome_check_out()
            End If
            Return _instanse
        End Get
    End Property
    Private Sub Button1_Click(sender As Object, e As EventArgs)
        Me.Hide()
    End Sub

    Private Sub btn_home_chek_in_search_Click(sender As Object, e As EventArgs) Handles btn_home_chek_in_search.Click
        getconnection()
        cmd = New SqlCommand("select s_services_name from Guest_Extra_services where
Check_id=" & tb_ch_id.Text & "", con)
        Dim sd As SqlDataReader
        sd = cmd.ExecuteReader()
        cb_add_services.Items.Clear()
        While sd.Read()
            cb_add_services.Items.Add(sd("s_services_name").ToString)
        End While
        sd.Close()
        cmd.Dispose()
        endconnection()
    End Sub

    ****
    ****
    getconnection()
    If tb_ch_id.Text = "" Then
        MsgBox("Please Fill Id")
    Else
        Dim d As SqlDataReader
        cmd = New SqlCommand("select * from check_in_check_out where Check_id = "
+ tb_ch_id.Text + "", con)
        d = cmd.ExecuteReader()
        If d.Read() Then
            tb_guest_name.Text = d("guest_name")
            tb_ch_middle_name.Text = d("guest_m_name")
            tb_ch_surname.Text = d("guest_l_name")
            tb_ch_permadd.Text = d("guest_address")
            tb_perment_mobile.Text = d("guest_mobile_number1")
            tb_optional_number.Text = d("guest_mobile_number2")
           .dtp_check_in_date.Text = d("cin_date")
           .dtp_check_out_date.Text = d("cout_date")
            tb_ch_days.Text = d("c_days")
            tb_ch_night.Text = d("c_nights")
        End If
    End Sub

```

Infinity Management System

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        tb_ch_adults.Text = d("c_adults")
        tb_ch_childrens.Text = d("c_childrens")
        tb_Room_no.Text = d("c_room_no")
        cmb_ch_room_type.Text = d("c_room_type")
        cmb_pkg_name.Text = d("c_pkg_name")
        tb_advance_payment.Text = d("c_advance_paid")
        tb_old_check_in_amount.Text = d("c_total_amount")
        tb_ch_Gst.Text = d("c_gst")
        tb_discount.Text = d("c_discount")
        cmb_discount_name.Text = d("c_discount_name")
        room_rent.Text = d("c_room_price")
        pkg_rent.Text = d("c_pkg_price")
        d.Close()

    Else
        MsgBox(" Record not Found", MsgBoxStyle.Critical +
        MsgBoxStyle.Information, "Try Again")

    End If
End If

' ****
*****
con.Close()
endconnection()
End Sub

Private Sub tb_extra_services_cost_OnValueChanged(sender As Object, e As EventArgs)
Handles tb_extra_services_cost.OnValueChanged
    tb_final_total.Text = (Val(tb_extra_services_cost.Text) +
    Val(tb_old_check_in_amount.Text)) - Val(tb_advance_payment.Text)
End Sub

Private Sub tb_amount_paid_in_check_out_OnValueChanged(sender As Object, e As EventArgs)
Handles tb_amount_paid_in_check_out.OnValueChanged
    tb_change_of_money.Text = Val(tb_amount_paid_in_check_out.Text) -
    Val(tb_grand_total.Text)
    If tb_change_of_money.Text < 0 Then
        tb_change_of_money.Text = ""
    End If
End Sub

Private Sub btn_chek_out_Click(sender As Object, e As EventArgs) Handles
btn_chek_out.Click
    If CheckBox1.Checked = False Then
        tb_ch_Gst.Text = 0
    End If
    If CheckBox2.Checked = False Then
        tb_discount.Text = 0
    End If

    getconnection()
    cmd = New SqlCommand("insert into Guest_data values(" & tb_ch_id.Text & "','" &
    tb_guest_name.Text & "','" & tb_ch_middle_name.Text & "','" & tb_ch_surname.Text &
    "','" & tb_ch_permadd.Text + "','" & tb_perment_mobile.Text & "," &
    tb_optional_number.Text & "','" &.dtp_check_in.Text & "','" &.dtp_check_out_date.Text &
    "','" & tb_ch_days.Text & "," & tb_ch_night.Text & "," & tb_ch_adults.Text & "," &
    tb_ch_childrens.Text & "," & tb_Room_no.Text & "','" & cmb_ch_room_type.Text & "','" &
    cmb_pkg_name.Text & "','" & final_total & "," & tb_ch_Gst.Text & "," & tb_discount.Text
    & "','" & cmb_discount_name.Text & "','" & pkg_rent.Text & "," & room_rent.Text & ")",
    con)
    If tb_ch_id.Text <> "" And tb_guest_name.Text <> "" And tb_ch_middle_name.Text
    <> "" And tb_ch_surname.Text <> "" And tb_ch_permadd.Text <> "" And
    tb_perment_mobile.Text <> "" And tb_optional_number.Text <> "" And.dtp_check_in.Text <>

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Infinity Management System

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    "" And dtp_check_out_date.Text <> "" And tb_ch_days.Text <> "" And tb_ch_night.Text <>
    "" And tb_ch_adults.Text <> "" And tb_ch_childrens.Text <> "" And tb_Room_no.Text <> ""
    And cmb_ch_room_type.Text <> "" And cmb_pkg_name.Text <> "" And tb_advance_payment.Text
    <> "" And tb_ch_Gst.Text <> "" And tb_discount.Text <> "" And cmb_discount_name.Text <>
    "" And (CheckBox1.Checked = True Or CheckBox2.Checked = True) Then
        If (cmd.ExecuteNonQuery() > 0) Then
            MessageBox.Show("Id is Deactivated ", "SAVE", MessageBoxButtons.OK,
    MessageBoxIcon.Asterisk)
            cmd.Dispose()
            Dim cnt As Integer
            cmd = New SqlCommand("select count(Check_id) from Guest_Extra_services
where Check_id=" + tb_ch_id.Text + " ", con)
            cnt = cmd.ExecuteScalar()
            cmd.Dispose()
            While cnt > 0

                Dim sdr As SqlDataReader
                cmd = New SqlCommand("select * from Guest_Extra_services where
Check_id = " + tb_ch_id.Text + " ", con)
                sdr = cmd.ExecuteReader
                sdr.Read()
                cmd.Dispose()

                cmd = New SqlCommand("insert into Guest_Extra_services_Freezed
values(" & sdr("Check_id") & "," & sdr("s_id") & "," & sdr("s_services_name") & ',' &
sdr("prize").ToString & ") ", con)
                Dim s_id As Integer = sdr("s_id")
                Dim check_id As Integer = sdr("Check_id")
                Dim service_name As String = sdr("s_services_name")
                Dim prize As Double = sdr("prize").ToString
                sdr.Close()
                cmd.ExecuteNonQuery()
                cmd.Dispose()

                cmd = New SqlCommand("select count(s_id) from Guest_Extra_services
where s_id=" & s_id & " ", con)
                Dim i As Integer = cmd.ExecuteScalar()
                cmd.Dispose()
                While i > 1
                    cmd = New SqlCommand("insert into Guest_Extra_services_Freezed
values(" & check_id & "," & s_id & "," & service_name & ',' & prize & ") ", con)
                    cmd.ExecuteNonQuery()
                    cmd.Dispose()
                    i = i - 1
                    cnt = cnt - 1
                End While
                cmd = New SqlCommand("delete from Guest_Extra_services where s_id=" &
s_id & " ", con)
                cmd.ExecuteNonQuery()
                cnt = cnt - 1
            End While
            cmd = New SqlCommand("delete from check_in_check_out where Check_id=" &
tb_ch_id.Text & " ", con)
            cmd.ExecuteNonQuery()

'*****report
            Dim dt As New DataTable
            Dim addpter As SqlDataAdapter

            cmd = New SqlCommand("SELECT * from Guest_data join
Guest_Extra_services_Freezed on
Guest_data.Check_id=Guest_Extra_services_Freezed.Check_id where Guest_data.Check_id=" +
tb_ch_id.Text + " ", con)
            addpter = New SqlDataAdapter(cmd)

```

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Infinity Management System
    addpter.Fill(dt)
    If dt.Rows.Count <> 0 Then
        Dim report As New Hotel_bill_rpt
        report.DataSource = dt
        reportDataAdapter = addpter
        reportDataMember = "Guest_data"
        Dim tool As ReportPrintTool = New ReportPrintTool(report)
        report.CreateDocument()
        Hotel_bill.doc_hotel_bill.DocumentSource = report
        Hotel_bill.ShowDialog()
    Else
        MessageBox.Show("No Record found!!!!!!")
    End If

    global_class.clearAllbunifuTextbo(pan_personal)
    global_class.clearAllbunifuTextbo(pan_service)
    global_class.clearAlldatetimepicker(pan_personal)
    global_class.clearAllCombo(pan_service)
    tb_perment_mobile.Text = "OPTOIONAL NUMBER"
    tb_optional_number.Text = "PERMANENT NUMBER"
    cb_add_services.Items.Clear()
Else
    MessageBox.Show("Server Error")
End If
Else
    MessageBox.Show("First fill all the field", "caution",
MessageBoxButtons.RetryCancel, MessageBoxIcon.Warning)
End If
cmd.Dispose()

    endconnection()
End Sub

Private Sub tb_reset_Click(sender As Object, e As EventArgs) Handles tb_reset.Click
    global_class.clearAllbunifuTextbo(pan_personal)
    global_class.clearAllbunifuTextbo(pan_service)
    global_class.clearAlldatetimepicker(pan_personal)
    global_class.clearAllCombo(pan_service)
    tb_perment_mobile.Text = "OPTOIONAL NUMBER"
    tb_optional_number.Text = "PERMANENT NUMBER"
    cb_additional_servises.Items.Clear()
End Sub

Private Sub cb_add_services_SelectedValueChanged(sender As Object, e As EventArgs)
Handles cb_add_services.SelectedValueChanged
    Dim total As Double = 0.0
    For Each item In cb_add_services.CheckedItems
        getconnection()
        Dim cmd As New SqlCommand
        cmd.Connection = con
        ' Dim cnt As Integer = clb_services.Items.IndexOf(item)
        cmd.CommandText = "select prize from service_data where s_name=''" &
cb_add_services.Items(cb_add_services.Items.IndexOf(item)).ToString & "'"
        total = total + cmd.ExecuteScalar()
        cmd.Dispose()
        endconnection()
    Next
    tb_extra_services_cost.Text = total
End Sub

Private Sub cb_add_services_Leave(sender As Object, e As EventArgs) Handles cb_add_services.Leave
    Dim total As Double = 0.0
    For Each item In cb_add_services.CheckedItems

```

```

        Infinity Management System
        getconnection()
        Dim cmd As New SqlCommand
        cmd.Connection = con
        ' Dim cnt As Integer = clb_services.Items.IndexOf(item)
        cmd.CommandText = "select prize from service_data where s_name= '" &
cb_add_services.Items(cb_add_services.Items.IndexOf(item)).ToString & "'"
        total = total + cmd.ExecuteScalar()
        cmd.Dispose()
        endconnection()
    Next
    tb_extra_services_cost.Text = total
End Sub

' ****validation
*****validation
Private Sub Isnumeric(sender As Object, e As KeyPressEventArgs) Handles
tb_ch_id.KeyPress, tb_discount.KeyPress, tb_extra_services_cost.KeyPress,
tb_final_amount.KeyPress, tb_final_total.KeyPress, tb_old_check_in_amount.KeyPress,
tb_ch_Gst.KeyPress, tb_sub_total.KeyPress
    If ((e.KeyChar < Chr(48) Or e.KeyChar > Chr(57)) And e.KeyChar <> Chr(8)) Then
        e.Handled = True
    End If
End Sub

Private Sub Button1_Click_1(sender As Object, e As EventArgs) Handles Button1.Click
    Instance.Hide()
End Sub

Private Sub CheckBox1_CheckedChanged(sender As Object, e As EventArgs) Handles
CheckBox1.CheckedChanged
    If CheckBox1.Checked = True Then
        final_total = Val(tb_final_total.Text) * ((100 + Val(tb_ch_Gst.Text)) /
100)
        tb_grand_total.Text = final_total
    End If
End Sub

Private Sub CheckBox2_CheckedChanged(sender As Object, e As EventArgs) Handles
CheckBox2.CheckedChanged
    If CheckBox2.Checked = True Then
        final_total = Val(tb_final_total.Text) * ((100 - Val(tb_ch_Gst.Text)) /
100)
        tb_grand_total.Text = final_total
    End If
End Sub
End Class

```

Limitations & Future Modification

Future Scope:

No system can cover all aspects of any details. Any developed system should have the flexibility of absorbing any possible changes. I have tried to make the software more user friendly.

1. In future we can implement online payment system.
2. We will also develop the Payment module from our application, and will not use the other application.
3. We can also implement a facility of verification by the sms or email.

Conclusion

CONCLUSION

This project was developed to fulfill user and business requirement; however there is lots of scope to improve the performance of the Billing, database performance, and query processing time Etc.

- 1) Security provides.
- 2) Safe data.
- 3) Easier user interface & user friendly.
- 4) Easy to operate.
- 5) MultiUser Facility Provided.

Bibliography

BIBLIOGRAPHY

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Relation database management system	Techmax Publication	Techmax

Tutorials point –Quick SQL Guide.