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ABSTRACT

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Online Food Ordering System is a part of e-commerce. E-commerce or business through net means distributing, buying, selling, marketing, and servicing of products or services over electronic systems such as the Internet and other

computer networks. Thus if we own a restaurant we need to upload menu online to attract potential customers.

The online food ordering system gives restaurants the ability to increase sales and expand their business by giving customers the facility to order food online.

With an online restaurant menu ordering system, customers can place orders online 24 *7. Thus it is a simple, fast and convenient food ordering system giving an edge over the competition at an affordable price.

Internet has seen a tremendous growth in terms of coverage and awareness.

So giving the business an online presence has become very crucial and important.

With [Online Ordering System], we can set up we restaurant menu online and the customers can easily place order with a simple mouse click. Also with a food menu online we can easily track the orders, maintain customer's database and improve the food delivery service. We can receive order through e-mails/ fax or directly view on internet.

The restaurants' can even customize online restaurant menu and upload images easily. Having restaurant menu on internet, potential customers can easily access it and place order at their convenience..

INTRODUCTION

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n online food ordering system is a web-based application that stimulates the foodies (customers) to put food orders through internet by locating their favorite restaurant or nearest one. This application is based on the asp.net platform .

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OBJECTIVE:-

The main objective of this project is to develop an application which gives provision to the restaurant owners to flourish their business by uploading menus at no cost and will invariably lead to higher customer retention and acquisition rates.

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FEATURES:-

- Online menus (original and searchable format)
- Provision of restaurant owners to register themselves with their menu.
- Easy lookup of restaurants in your area
- Check Ratings and Review the restaurants
- Simple, fast and convenient ordering of food
- Availability of the menu online 24*7*365 – no need to recite the complete menu over the phone. An online menu is ready to be viewed and printed by people worldwide.
- Accurate – no more spelling out the dishes' names.
- Menu with the actual pictures of the product thereby adding to the uniqueness of your online presence.
- Prior knowledge of time for delivery helps prepare and provide better service.
- Provides base for online promotions, electronic coupons and gift certificates without needing the costly conventional media.
- Receive direct customer feedback and suggestions.
- Keep the customers informed.

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DVANTAGES:-

- Reduce time-consuming phone orders and eliminate illegible fax orders.
- No more busy phones or the requirement for extra phone lines.
- An edge over the competition at an affordable price.
- Broader customer reach across regions.
- Builds a customer database.

- Provides a channel for marketing and promotion lowering your advertising cost.
- Helps in improved service.
- Greater customer satisfaction!!!

SYSTEM REQUIREMENTS

▮ SOFTWARE REQUIREMENTS

- ❖ Operating system
 - Windows 2000/Professional/XP
- ❖ Front-end
 - ASP.Net ,C#
- ❖ Back-end
 - SQL Server 2005

▮ HARDWARE REQUIREMENTS

Processor	450 MHz Pentium II-class processor 600MHz Pentium III-class or IV processor
Operating system	Standard editions can be installed on any of the following systems:- ▯ Microsoft windows server 2003 ▯ Windows XP Home edition
Memory	512MB for both Microsoft windows server 2003 and Windows XP Home edition
Hard Disk	Minimum space required to install .NET= 3.5GB Minimum space required to install SQL SERVER= 1.6GB

**The Data Flow Diagram of
the Food Ordering System:**

Content Diagram

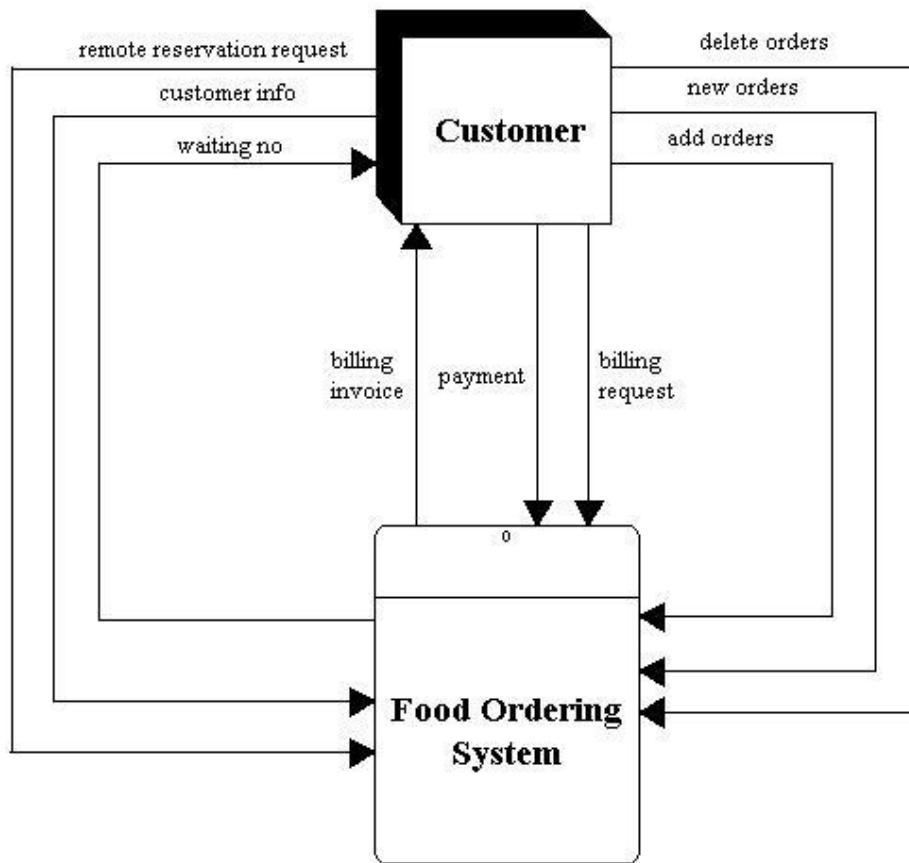


Diagram 0

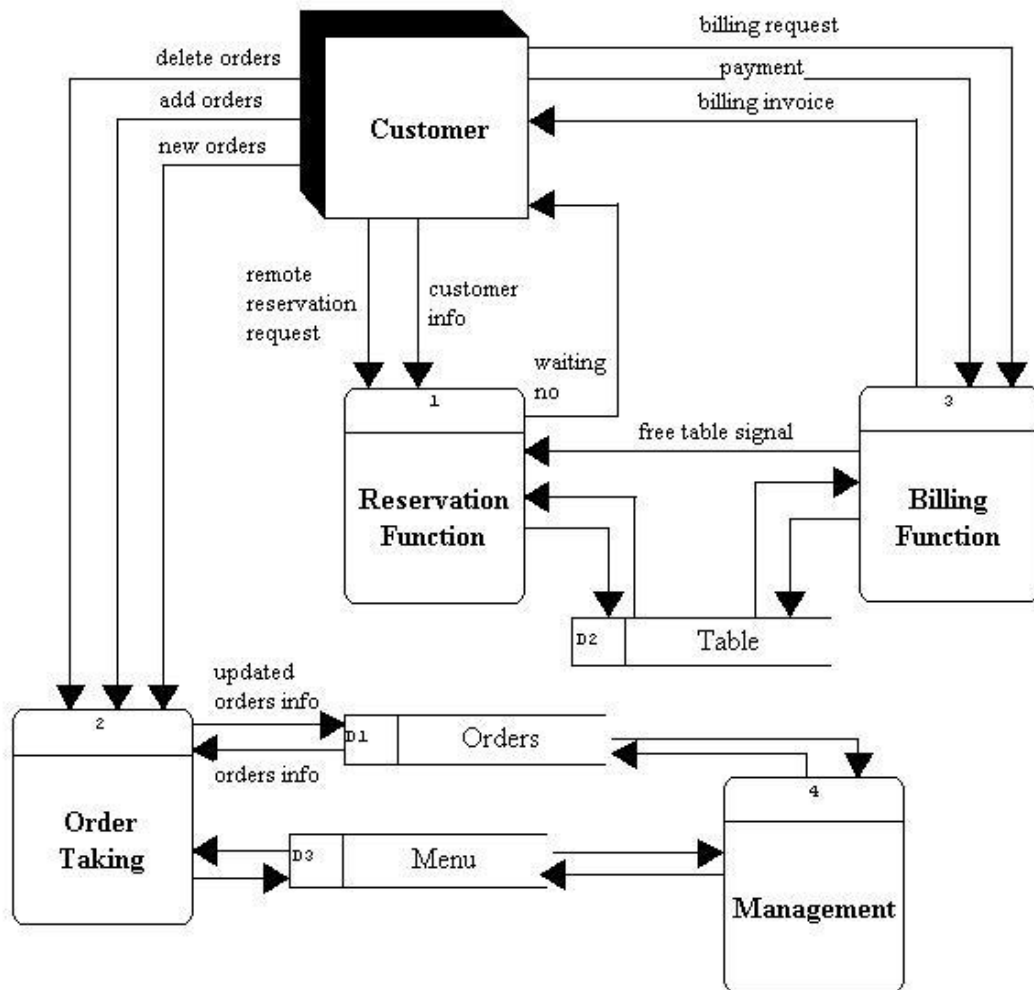


Diagram 1

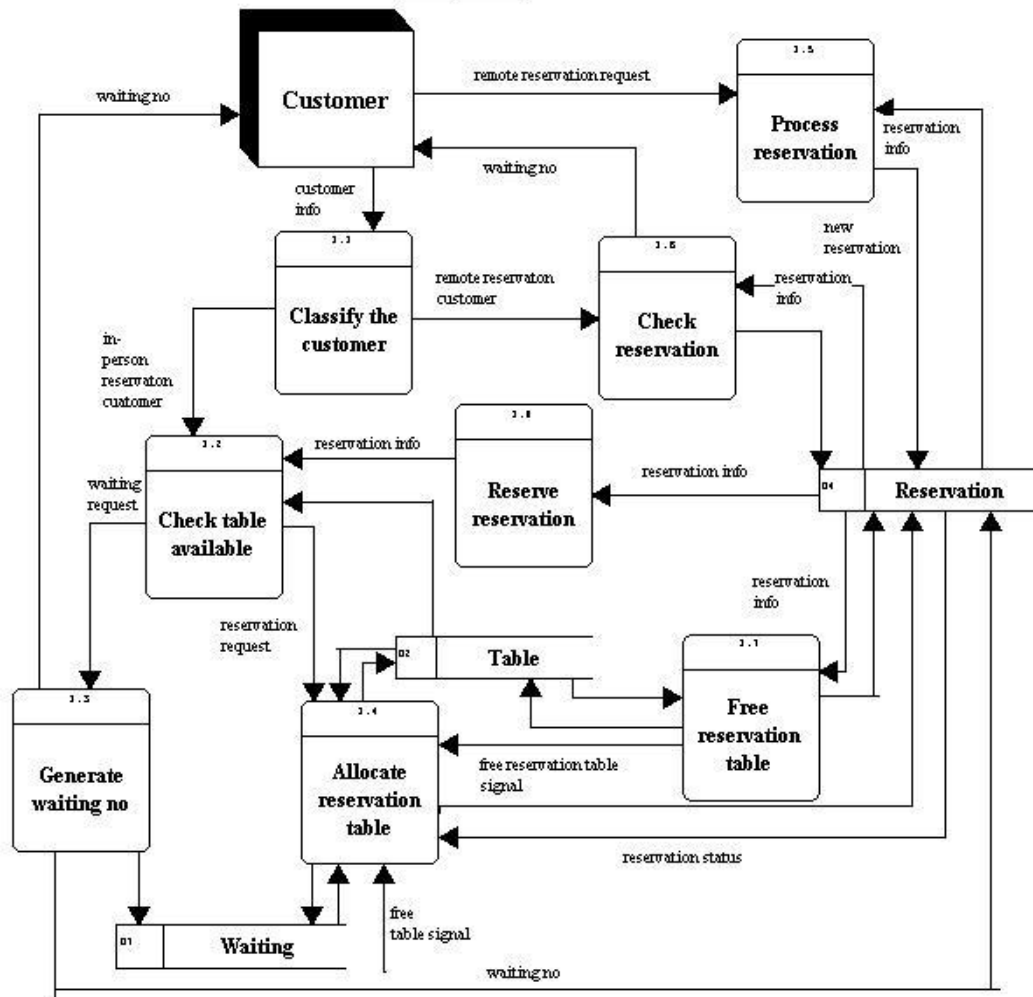


Diagram 2

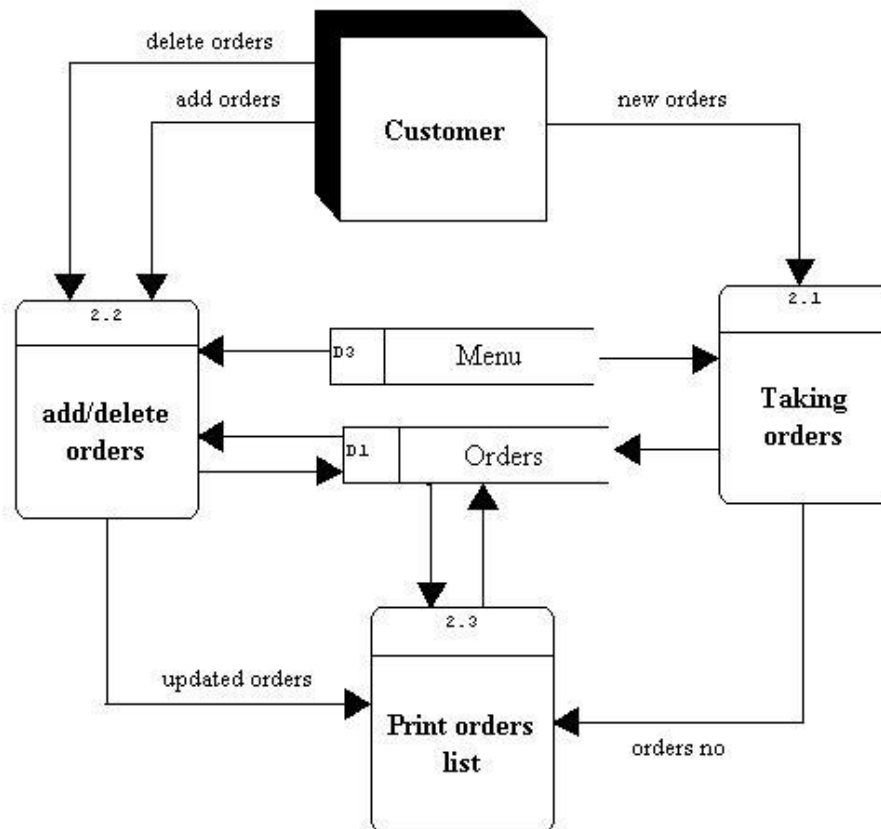


Diagram 3

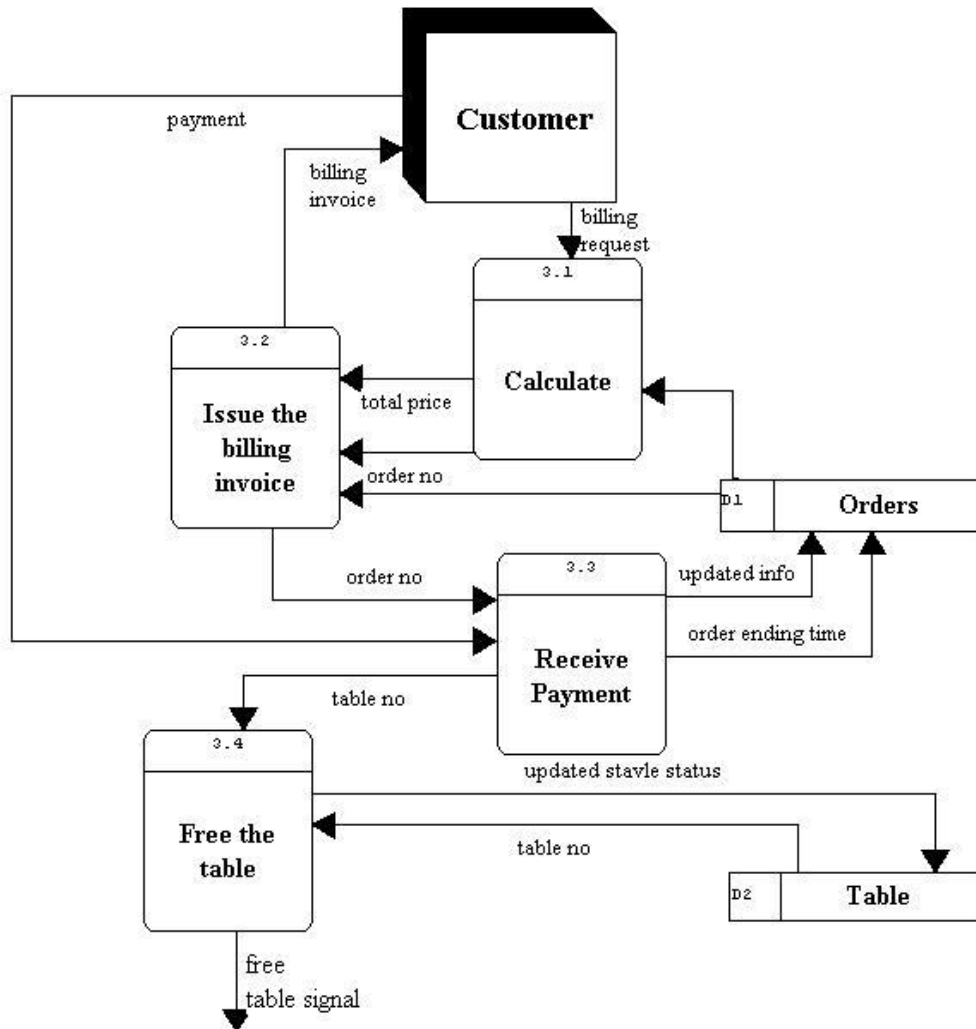
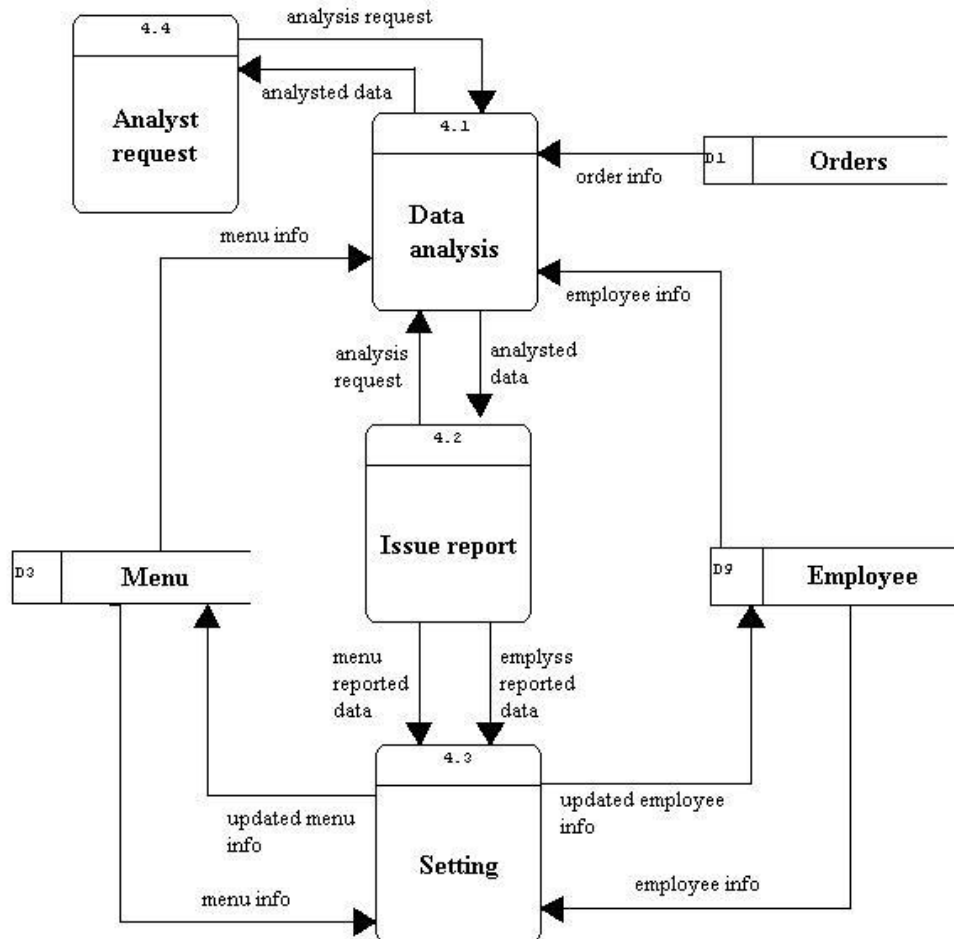
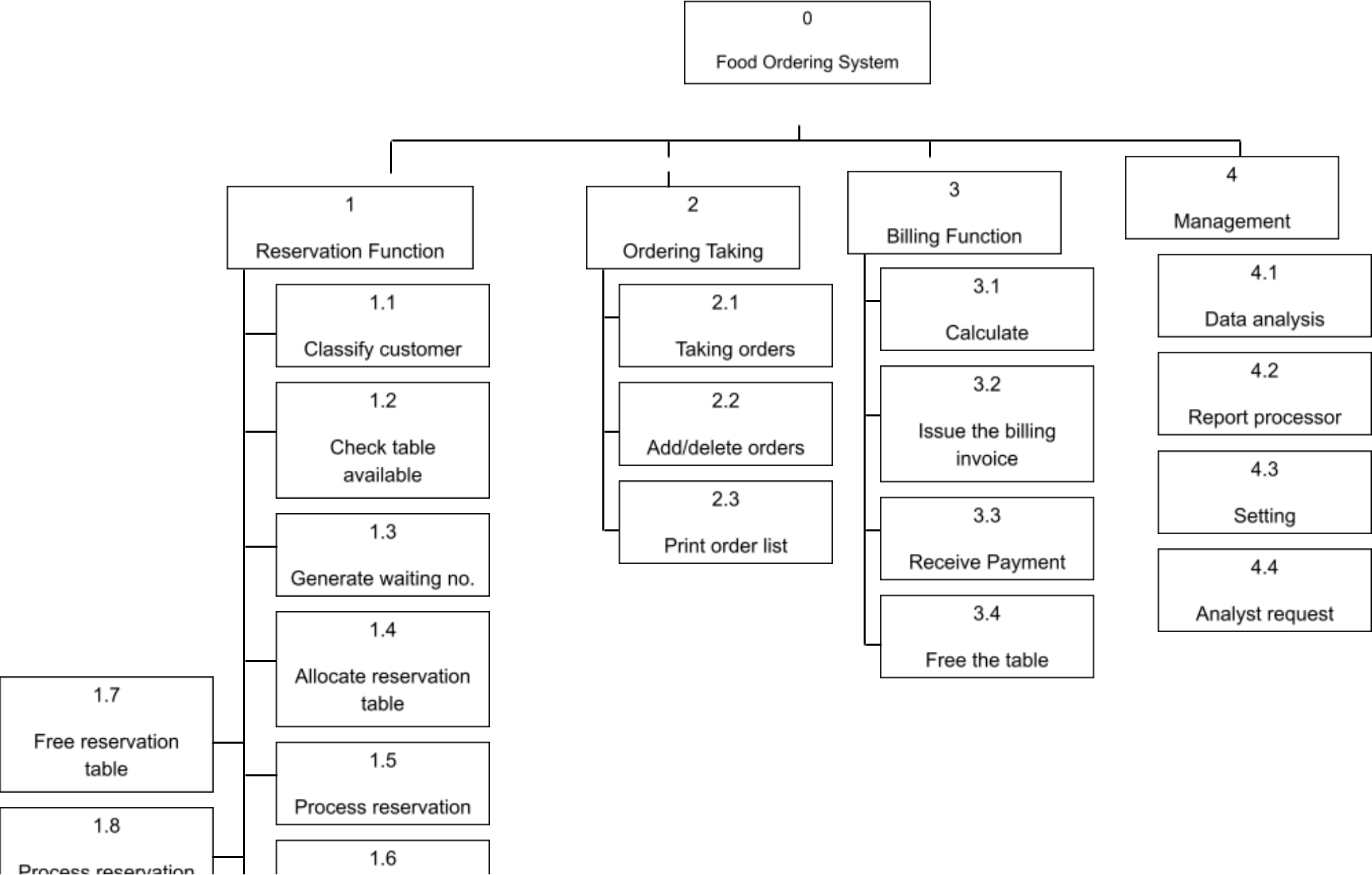


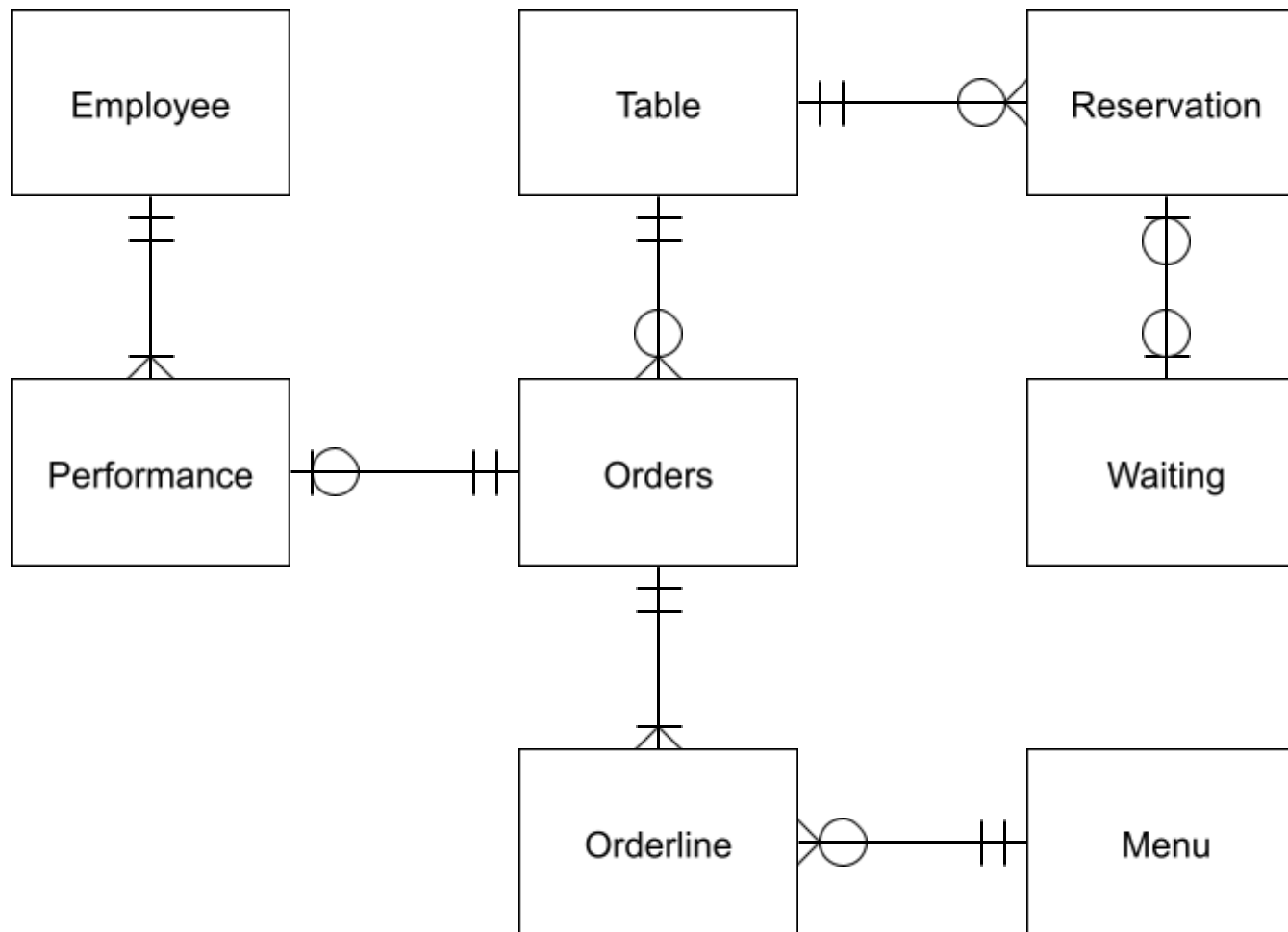
Diagram 4



The structure Diagram of Food Ordering System



The Entity-Relationship Diagram



The Database Design of the Food Ordering System

Format of the database

Orders (D1)

Field name	Brief Description	Field type	Restriction
Order_no	Order number (KEY FIELD)	Integer (6)	1-999999
Table_no	Table number	Integer (2)	1-99
Order_time	Order time	Time	-----
Order_date	Order date	Date	-----
Head_no	Head number	Integer (2)	1-20
Payment_status	Status of payment	Boolean	True,False

* N = Not Done, P = Processing, F = finished, D = Delivered

Orderline

Field name	Brief Description	Field type	Restriction
Order_no	Order number	Integer (6)	1-999999
Item_no	Item number	Integer (3)	1-999
Quantity	Quantity of the item	Integer (2)	1-99

Table (D2)

Field name	Brief Description	Field type	Restriction
Table_no	Table number (KEY FIELD)	Integer (2)	1-99
Status	Status of the table	Character	R, I, F

* R = Reservation, I = In-use, F = Free

Menu (D3)

Field name	Brief Description	Field type	Restriction
Item_no	Item number (KEY FIELD)	Integer (3)	1-999
Item_price	Item price	Currency	\$1-999
Item_name	The name of Item	String(20)	1-20char
Status	Status of the item	String(2)	BX, LX, DX, PX
Discount	Discount value	Percentage	0%-100%
Photo	Photo of the item	Object	-----
Description	Description of the item	String (40)	1-40 char

* B = Breakfast, L = Lunch, D = Dinner, P = Promotion,X=A,B,C,D or X

Reservation (D4)

Field name	Brief Description	Field type	Restriction
Res_no	Reservation number (KEY FIELD)	Integer (3)	1-999
Date	Reservation date	Date	-----
Time	Reservation time	Time	-----
Cus_info	Customer name	String (20)	1-20 char
Tel	Telephone number	Integer (8)	8 digits
Head_no	Head number	Integer (2)	1-20
Table_no	Table number	Integer (2)	1-99
Waiting_no	Waiting number	Integer (3)	1-999
Status	Status of reservation	Character	N, T, U, C, W

* N = Normal, T = Tabled, U = Un-reserved, C = Cancel, W = Waiting

Waiting (D5)

Field name	Brief Description	Field type	Restriction
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Waiting_no	Waiting number (KEY FIELD)	Integer (3)	1-999
Priority	Priority (Walk-in, Reservation)	Character	W, R
Status	Status of the waiting number	Character	D, S

W = Walk-in, R = Reservation, D = Done, S = Still waiting

Employee (D6)

Field name	Brief Description	Field type	Restriction
Employee_no	Employee number (KEY FIELD)	Integer (2)	1-99
Name	Employee name	String (20)	1-20 char
Tel	Employee telephone number	Integer	8 digits
Address	Employee address	String (60)	1-60 char
Position	Position of the employee	String (20)	1-20 char
Work_in_time	Start work time	Time	-----
Work_out_time	End work time	Time	-----
Day_off	Day off	Integer (1)	1-7
Salary	Salary of the employee	Currency	\$1-99999

Relational Schema

Table (Table_no, Status)

Order (Order_no, Table_no, Order_time, Order_date, Head_no, Payment_status)

Orderline (Order_no, Item_no, quantity)

Menu (Item_no, Item_name, Item_price, Status, Discount, Photo, Description)

Reservation (Res_no, Date, Time, Cus_info, Tel, Table_no, Waiting_no, Status, Head_no)

Waiting (Waiting_no, Priority, Status)

Employee (Employee_no, Position, Work_in_time, Work_out_time, Employee_name, Tel, Address, Salary, Dayoff)

Performance (Employee_no, Order_no, Attitude, Efficiency, Polite, Satisfaction)

REFERENCES

▮ Books:-

- ✓ Programming in C#, E BALAGURUSWAMI
- ✓ ASP.NET 2.0, Black Book
- ✓ The complete reference in SQL Server 2000, TMH

▮ WebSites:-

- ✓ www.google.com
- ✓ www.w3school.com
- ✓