

# Live Order

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## Project Report

Submitted by

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FOR FULFILLMENT OF FIFTH SEMESTER IN  
BACHELOR OF COMPUTER APPLICATION



Department of Computer Science & I.T.

# **SHREE H.N.SHUKLA GROUP OF COLLEGES**

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## ***Our Profile***

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## ***Preface***

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Theory of any subject is important but without its practice it is useless particularly for the computer student. A computer student cannot become a perfect man or technologist without practical understanding of the branch.

We can also say, “Experience is the best teacher” so our project is one kind of experience, the part of our life. Through the project we have learnt good, real, and practical application.

The project training in the B.C.A of the course gives us the exposure to the real world. The aim of the project training, by understanding a project, is to have practical experience of the real world. It also clears the picture of the practical field to prompt the student to develop their qualities, talents, etc. So that we can expand our view about the implication of the theoretical knowledge in the practical field, we had the opportunity for the same at various fields.

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## ***Acknowledgement***

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The present of this report gives us the feeling of the final frontier toward achieving the BCA Degree; the activity of going through industrials orientation has bridged the gap between the academics and practical real-life work for us.

It has prepared us to apply ourselves to become good IT professional. Naturally, it requires lot of people support to complete this project. We take this opportunity to acknowledge their support to us.

In the acknowledge, Hear first of all we would like to thanks our College Shree H.N Shukla that they gave such Good opportunity for develop a project which would evaluated. We Thanks to our friends to give support for a development of this project.

We would also like to thanks all those people who made this project directly or indirectly possible.

*Thank You*

*Keval H. Dholakiya*

*Vaitul B. Bhayani*

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## ***Introduction of Project***

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We Created Project Named “*Live Order*”, Here We Provide A Complete Solution For Waiter And Chef in Restaurants.

Our Main Goal is to digitalize working of restaurant by smart phones or tablets so Waiters and Chef of restaurant can done things in fewer efforts in less time.

Here is How It Works,

- First of All a Customer Walks In Restaurant.
  - Waiter Takes Order On Smart Device.
  - As Soon As Waiter Takes Order, It Directly Informed In Kitchen Room So Chef Start Preparing Meal.
  - After Meal was Prepared Chef Mark as Cooked on Smart Device.
  - Waiter Get List of Cooked Meal and Table Number of Order.
  - If Waiter-1 is Free so, he takes cooked meal From Kitchen. As Soon as Waiter Takes, Meal was Removed from Waiting List and Added to Served List.
  - After Customer Finished, Waiter Request Fro Get Bill On Device And Waiter Get Full List Of Customer Order. After Being Paid, Customer Have Option To Get Bill On her/his Email. In addition, Bill Get Print of Wireless Printer.
  - Here, we Give Discount to Frequent Customer, Who Come in Restaurant 10 or More Time.
- 
- There’s also an admin Panel Where Owner Or Admin Have Full Control On System,
  - Admin Can, Add, Edit, Remove Chef And Waiters And Also Add, Edit, Remove Products And Table

Our Website is Live at <http://liveorder.tk> you can visit

Credentials Are

- For Waiter // username = tonystark and password = tonystark
- For Chef // username = batman and password = batman
- For admin // username = superman and password = superman

## SDLC

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We use incremental model for our project

### ➤ Requirement Gathering :

For Requirement Gathering We Took Help of Our Foodie Friend Who used to visit various type of restaurant. We Ask him about problems that he faces when he go to restaurant. Moreover, we come to know that almost all restaurant have service problem they delay in provide food. So We Decide To Solve That Problem By Digitalize Their System.

### ➤ Design :

After Analyze Problem We Decide To Design 3 Module Of System. Waiter, Chef and Admin All Three Are main aspect of Restaurant. We decide to use core php for backend and html, css, JavaScript for frontend moreover MySQL for database. We Also Use GitHub for Version Control System and Collaboration Between us.

### ➤ Development :

After deciding which technology we will use. We start developing. After 2 Month, We Developed Project. Now we have to test it.

➤ Testing:

We Host Our Site To Enable our Friends To Give Feedback About Project and Inform If Anyone Finds Bug.

➤ Deployment :

After Analyze Valuable Feedback of Our Friend and We Fix Bugs/Errors and then we Release our webapp officially. We use free site hosting 000webhost to host our site.

➤ Maintenance :

After Releasing, We Continue Maintaining Our Site. If Some One Reports Us About Bug Or Anything. We try to solve it.



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## ***Project Profile***

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Project Name	:	Live Order
Front End	:	HTML, JavaScript, CSS
Back End	:	PHP, MySQL
Libraries	:	JQuery, JQueryUI & Bootstrap
Database	:	MySQL
Documentation Tool	:	Microsoft Word 2019
Platform	:	Web
Web Server	:	Apache
Web Browser	:	Any except Windows IE
Source Code / VCS	:	<a href="https://github.com/liveorder">https://github.com/liveorder</a>
Project Duration	:	1 Month
Prepared By	:	Keval Dholakiya & Vaitul Bhayani
Submitted To	:	Shree H.N Shukla College

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## ***Data Dictionary***

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- **Table Name:** users
- **Table Description:** Store All Info About users

Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
FirstName	varchar(50)	Nullable	First Name of User
LastName	varchar(50)	Nullable	Last Name of User
Username	Varchar(50)	Not Null	Username of User
Password	Varchar(50)	Not Null	Password of User
Role	enum('Waiter', 'Chef', 'Admin')	Not Null	Role of User

- **Table Name:** tables
- **Table Description:** Store All Info Tables

Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
Name	varchar(50)	Nullable	Table Name
Capacity	int(2)	Nullable	Total Capacity of Chairs
IsOccupied	tinyint(1)	Not Null	Describes table is occupied or not

- **Table Name:** Products
- **Table Description:** Store All Info Products/Items of Each Category

Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
catId	int(2)	Not Null	Category Id for this Product
Name	varchar(50)	Not Null	Product/Items Name
Price	double	Not Null	Price of product
IsAvailable	enum('1', '0')	Not Null	Check items available or not

- **Table Name:** categories
- **Table Description:** Store All Info About Products Category

Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
Name	varchar(255)	Nullable	Describes name of Product Category

- **Table Name:** kitchen
- **Table Description:** Store info about kitchen

Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
time	timestamp	Not Null	Add current timestamp automatically
tableId	Int(3)	Not Null	For which table were order come from
ProductId	Int(3)	Not Null	It is Product will be cook
Quantity	Int(2)	Not Null	Quantity of ordered item
Pending	Int(2)	Not Null	For how many items not ready
isReady	Tinyint(2)	Not Null	For items which is Cooked

- **Table Name:** invoices
- **Table Description:** Store invoice data with gst

Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
time	timestamp	Not Null	Add current timestamp automatically
tableId	Int(2)	Not Null	Generate invoice for this table
GrossAmount	Double	Not Null	It is Gross Amount
GSTP	Double	Not Null	GST %
GSTRs	Double	Not Null	GST Rs.
TotalAmount	Double	Not Null	Total Amount
Waiter	Varchar(255)	Not Null	Waiter Name who generating invoice

- **Table Name:** InvoiceItems
- **Table Description:** Store All invoice sub items which is ordered by customer

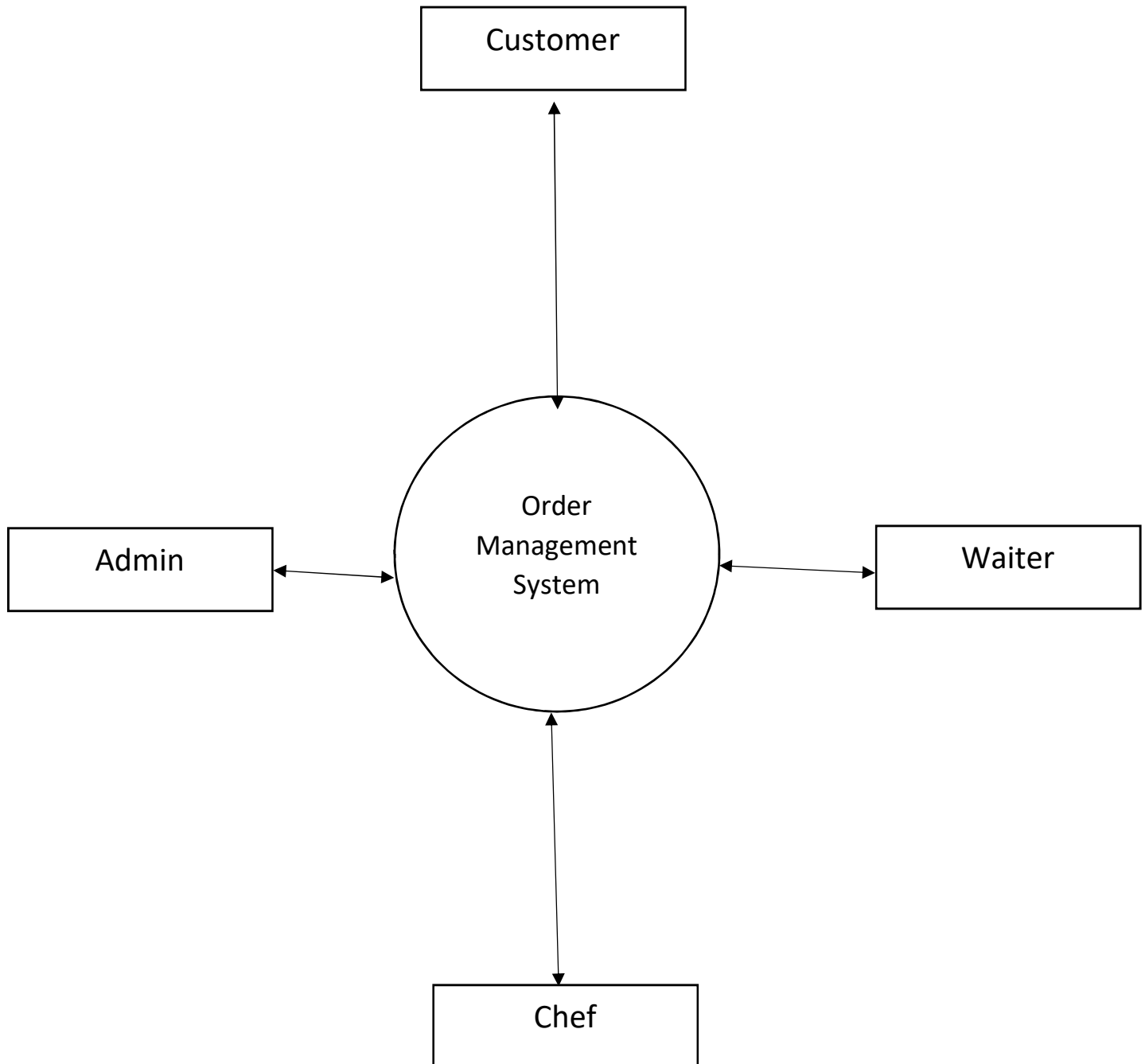
Name	Type	Constraints	Description
Id	Int(2)	Primary Key	-
InvoiceId	int(3)	Not Null	Contains Invoice Id
ProductId	Int(3)	Not Null	Describes Product was ordered
Quantity	Int(2)	Not Null	Total Quantity of product
Rate	Double	Not Null	Rate of Product
Amount	Double	Not Null	Amount = Qty * Rate

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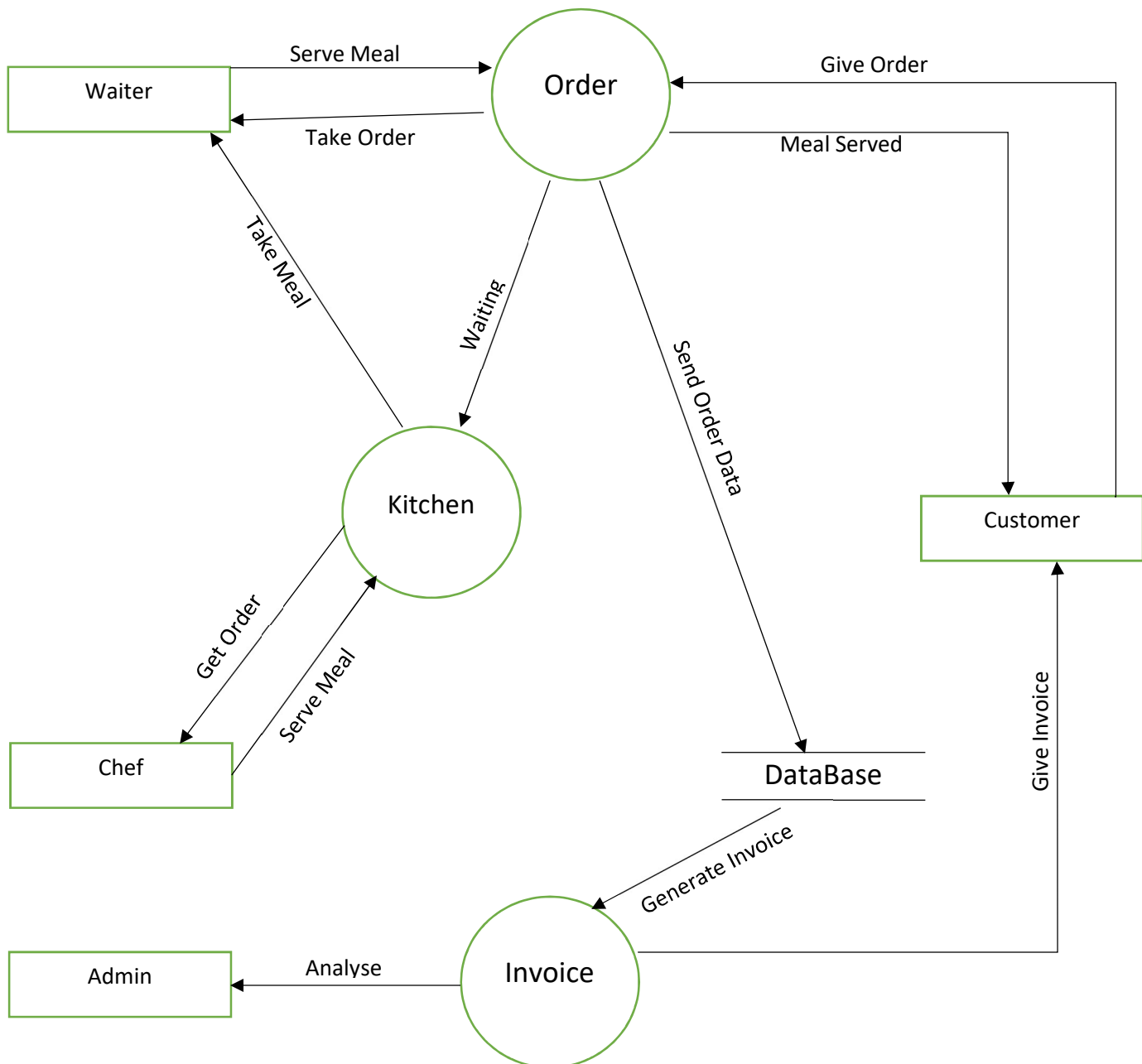
## ***Data Flow Diagram***

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➤ 0 Level DFD



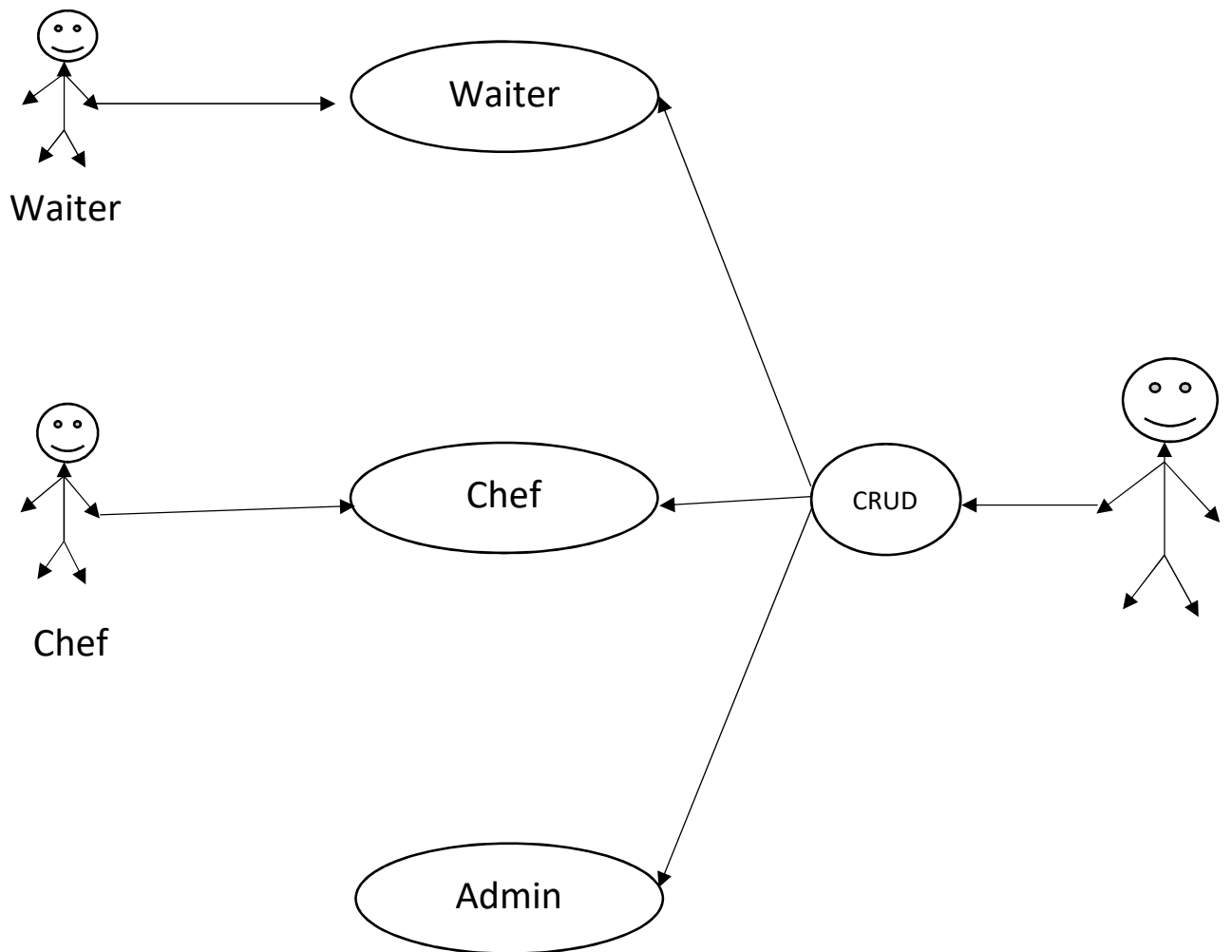
➤ 1 Level DFD



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## *Use case Diagram*

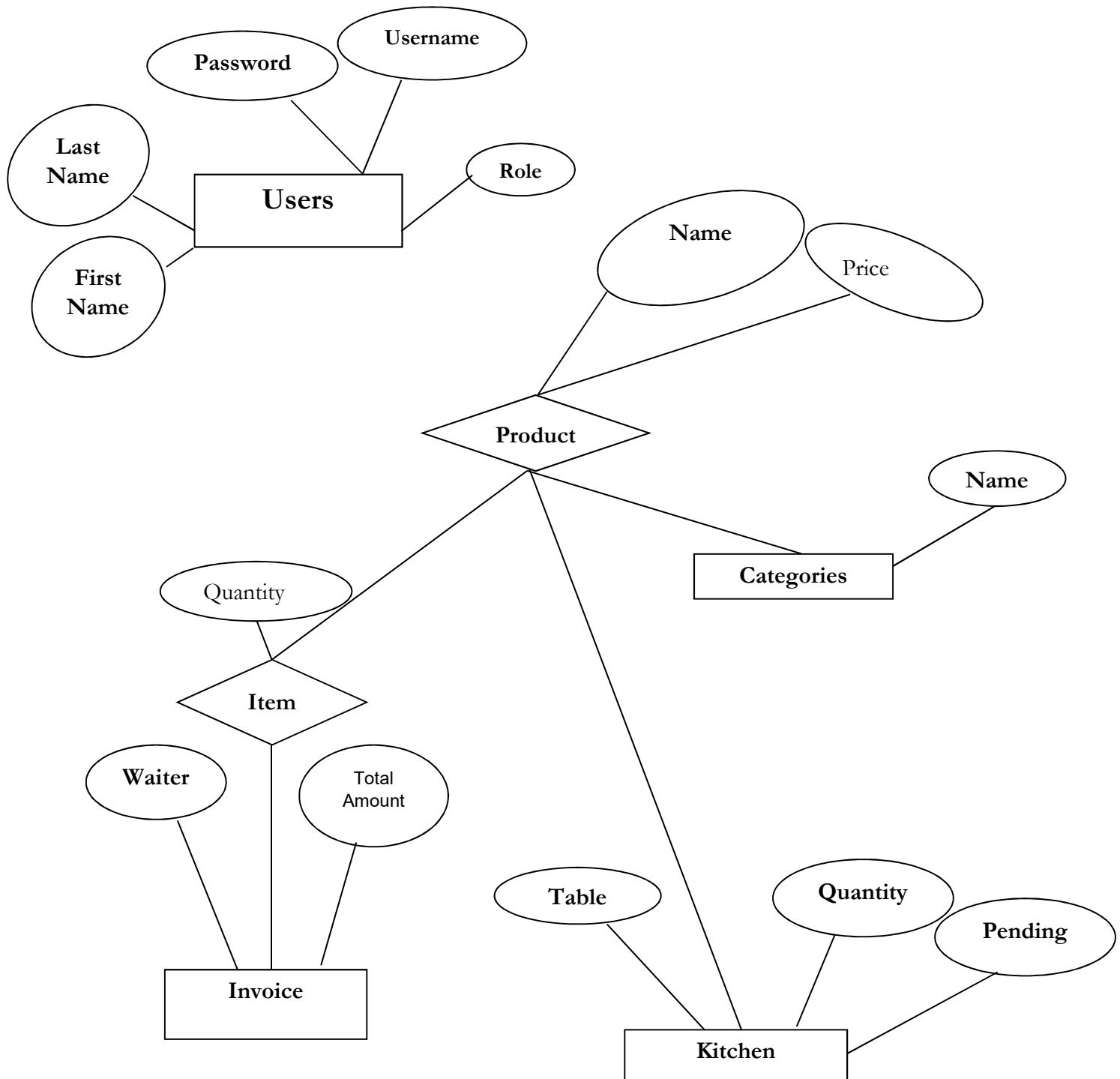
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## ER Diagram

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## System Design

- View : Home Screen
- Desc : Display Menu which for Customer, he/she can see available items

 **Live Orders** <sup>1</sup>

Login

 Menu

Search Recipes / Category

Capricosa		
#	Name	Price
1	Chees	35
2	Olive Oil	55
3	Bacon	105
4	Chees	70
5	Olive Oil	56

Panjabi		
#	Name	Price
1	Chees	30
2	Sauce	15
3	Ham	45

Gujarati		
#	Name	Price
1	Pineapple	75
2	Bacon	20

Pizza		
#	Name	Price
1	Chees	35
2	Olive Oil	55
3	Bacon	105
4	Chees	70

Chinees		
#	Name	Price
1	Bread	80
2	Oil	85
3	Chees	70
4	Olive Oil	56

Amarican		
#	Name	Price
1	Paubhaji	99
2	Regular	35

Sauth		
#	Name	Price
1	Double Chees	150
2	Souce	85
3	Oil	20
4	Bread	80
5	Regular Panir tika	35

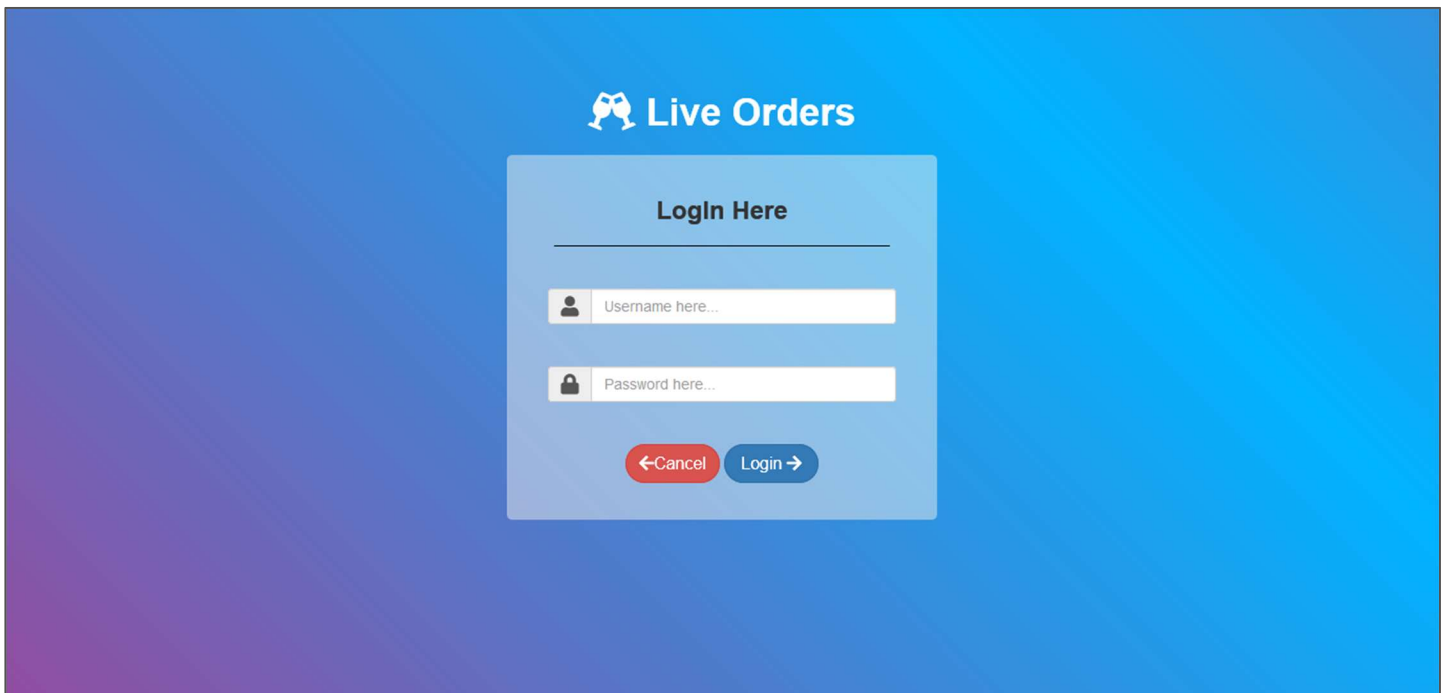
Tropical		
#	Name	Price
1	Dosa	60
2	Pineapple	75
3	Bacon	20
4	Ham	45
5	Sauce	15
6	Chees	30

Kathiyawadi		
#	Name	Price
1	Souce	85
2	Oil	20
3	Bread	80

Garlic		
#	Name	Price
1	Chees	70
2	Paubhaji	99
3	Double Chees	150



➤ View : Login Screen



- View : Chef Screen
- Desc: Display Orders.

Live Orders <sup>1</sup>			Logout Bat Man
Dish	Pending	Action	
Gujarati/ Pineapple @TB1	3	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Garlic/ Paubhaji @TB1	3	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Kathiyawadi/ Oil @TB10	3	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Kathiyawadi/ Bread @TB10	7	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Kathiyawadi/ Souce @TB10	5	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Amarican/ Regular @TB10	4	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Amarican/ Paubhaji @TB10	4	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Capricosa/ Chees @TB13	2	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Capricosa/ Bacon @TB13	1	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Capricosa/ Olive Oil @TB13	1	<input checked="" type="checkbox"/> <input type="checkbox"/>	
Capricosa/ Olive Oil @TB13	1	<input checked="" type="checkbox"/> <input type="checkbox"/>	


➤ Page : Waiter Screen (tables)



















➤ View : Waiter Screen (Kitchen)

Live Orders				Logout Tony Stark
Tables		Kitchen (10)		
Table	Item	Quantity	Action	
TB1	Gujarati Pineapple	3	Take it	
TB1	Garlic Paubhaji	3	Take it	
TB10	Amarican Regular	4	Take it	
TB10	Kathiyawadi Bread	7	Take it	
TB13	Capricosa Olive Oil	1	Take it	
TB13	Capricosa Bacon	1	Take it	
TB13	Capricosa Olive Oil	1	Take it	
TB13	Pizza Chees	3	Take it	
TB13	Pizza Bacon	3	Take it	









- View : Admin Screen
- Desc : Display Admin Module


**Live Orders**
Logout  
Super Man







**Manage Products**

#	Category	No. of Products	Action
13	Garlic	3	 
12	Kathiyawadi	3	 
11	Tropical	6	 
10	Sauth	5	 
9	Amarican	2	 
8	Chinees	4	 
7	Pizza	4	 
6	Gujarati	2	 

















**Invoices**

#	Table	Waiter	Time	GrossAmount	GST	TotalAmount	Action
11	1	tonystark	2019-09-05 10:00:48	490	88.2	578.2	
10	1	tonystark	2019-08-27 18:26:49	1143	205.74	1348.74	
9	1	tonystark	2019-08-27 18:24:36	105	18.9	123.9	
8	1	tonystark	2019-08-20 23:12:52	0	0	0	
7	1	tonystark	2019-08-20 22:31:31	0	0	0	
6	1	tonystark	2019-08-20 22:30:18	5082	914.76	5996.76	
5	3	tonystark	2019-02-04 21:34:02	501	90.18	591.18	
4	2	tonystark	2019-02-04 21:26:28	1538	276.84	1814.84	


**Manage Users**

#	Name	Role	Action
1	tony stark	Waiter	 
2	bat man	Chef	 
3	super man	Admin	 

**Manage Tables**

#	Table	Capacity	Action
1	TB1	4	 
2	TB2	5	 
3	TB3	4	 
4	TB4	4	 
5	TB5	5	 
6	TB6	4	 
7	TB7	4	 
8	TB8	4	 


## ➤ View: About us

 **Live Orders** Logout Super Man


### Concept

Perpose of this site to make digitalize working of restaurant by smart phones or tablets so workers of restaurant can done things in less efforts in less time.

### Developers



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## *Testing*

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### **Manual**

We use **Black Box** testing technique to test this site

We tested several times and we sorted out some issue which is we identified.

In addition, we launched Beta version for our College colleague to test and give the feedback or Suggestion to us.

We Also Perform **White Box** Testing by Our Selves and Our Colleagues Who have Experience of Web Developing.

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## ***Conclusion***

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The project report entitled "Live Order" has come to its conclusion

The new system has been developed with so much care that it is free of errors and at the same time, efficient and less time consuming

System is robust. In addition, provision is provided for future developments in the system

It was a wonderful learning experience for us while working on this project. This project took us through the various phases of project development and gave us a real insight into the world of software engineering. The joy of working and the thrill involved while tackling the various problems and challenges gave me a feel of developers industry.

It was due to this project we came to know how professional software is designed.

In this project we learned a lot we thankful to our college and Saurashtra University.

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## ***Bibliography***

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Here are the following names of website referred during the different system development life cycle. We referred this book and website at the time during difficulties and doubts. Really those website are surely our best friends at the time of problems, they help a lot.

➤ Websites References:

- [www.stackoverflow.com](http://www.stackoverflow.com)
- [www.w3schools.com](http://www.w3schools.com)