

## Title of the Project



**BTech/III Year CSE/V Semester**

**15CSE302/Database Management Systems**

**Project Review -1**

Rollno	Name
CB.EN.U4CSE18415	Dhanush C
CB.EN.U4CSE18439	Mithun Rosinth V V

**Amrita School of Engineering, Coimbatore**  
**Department of Computer Science and Engineering**  
**2020 -2021 Odd Semester**

## **Table of Contents**

<b>Title</b>	<b>Page number</b>
<b>Chapter 1 Introduction .....</b>	<b>3</b>
<b>Abstract.....</b>	<b>4</b>
<b>Chapter 2 Logical Database Design ER Diagram .....</b>	<b>5</b>
<b>Entities .....</b>	<b>5</b>
<b>Attributes.....</b>	<b>5</b>
<b>Relationships.....</b>	<b>6</b>
<b>Chapter 3 ER to Relational Schema Mapping .....</b>	<b>7</b>
<b>Chapter 4 User Interface Screens .....</b>	<b>8</b>
<b>References .....</b>	<b>12</b>

## **Chapter 1 Introduction**

Food business usually will have high demand and hence online business prospect for food ordering should be profitable. The purpose of this project is to provide an easily accessible interface wherein the customer can view and place the order easily.

Every customer can order anything on the menu for the available quantity. Once the order is placed the desk employee receives it and pushes it to the devices of delivery agents in the vicinity. If any one of the delivery agent picks it up the order is archive as order history or else if nobody accepts the delivery job a new delivery agent is manually allocated by the desk employee.

Technical Specifications of the APP

Backend: MySQL

Frontend: React JS and Material UI guidelines

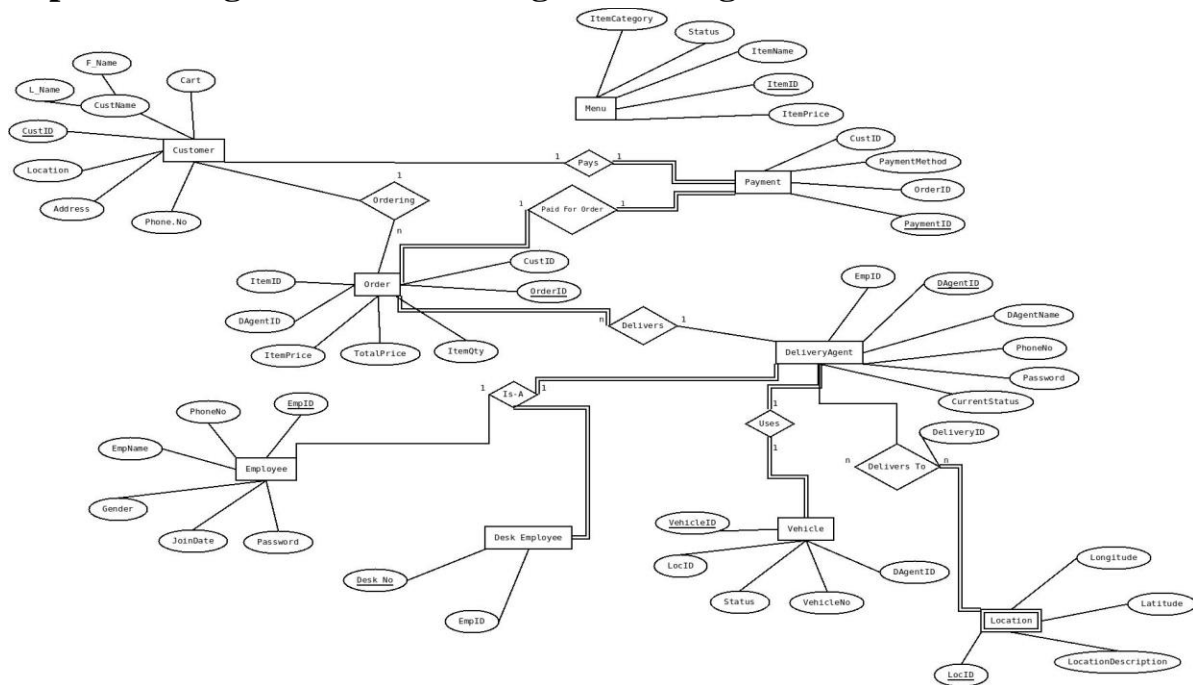
## **Abstract**

There is a lot of scope for online food ordering business and we can tap it to the max extent possible as everyone has access to an online ordering facility via the internet. Food business usually will have high demand and hence online business prospect for food ordering should be profitable. The purpose of this project is to provide an easily accessible interface wherein the customer can view and place the order easily.

The customer can register initially with minimum details and will be allowed to check the menu items before ordering them, adding them to cart and submit the order. The system records the details in the database so that it will be easy to retrieve later. The users of the system also include employee/admin who will handle info related to product addition and assigning vehicle for placed orders.

The users of the system include the customers and the employees. The employees of the system are responsible for updating the menu items as well as the delivery of the item to a particular address. The customers will visit the website, check for the items available in the menu, order for one or more items in the menu. All the activities such as ordering items online, delivery of the items by employees, the vehicle used to deliver the items etc. will be recorded in the database for all the events.

## Chapter 2 Logical Database Design ER Diagram



### Entities

- Customer
- Order
- Employee
- Vehicle
- Menu
- Payment
- DeliveryAgent
- DeskEmployee
- Location

### Attributes

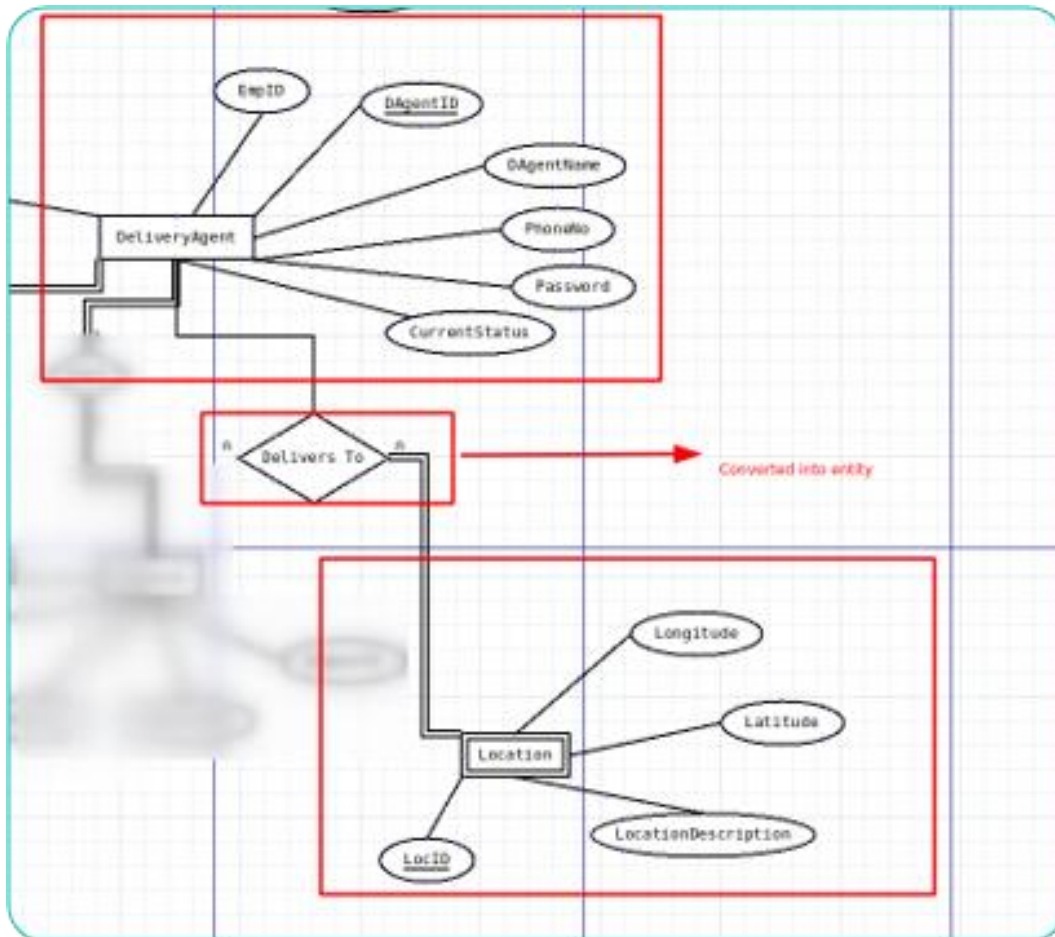
- Customer(CustID,F\_Name,L\_Name,Address,Cart,Location,Phone.no)
- Order(OrderID,DAgentID,ItemPrice,TotalPrice,ItemQty,CustID,ItemID)
- Employee(EmpID,EmpName,PhoneNo,Gender,JoinDate>Password)
- Vehicle(VehicleID,LocID,Status,VehicleNo,DAgentID)
- Menu(ItemID, ItemName,ItemPrice,Status,ItemCategory)
- Payment(CustID,PaymentMethod,OrderID,PaymentID)
- DeliveryAgent(EmpID,DAgentID,AgentName,PhoneNo>Password,CurrentStatus)
- DeskEmployee(EmpID,Desk.no)
- Location(LocID,Longitude,Latitude,LocationDescription)

## Relationships

- Ordering - Customer,Order
- Pays - Customer,Payment
- Paid for Order - Payment,Order
- Delivers - Order,DeliveryAgent
- Is-A - Employee,DeliveryAgent,DeskEmployee
- Uses - Vehicle,DeliveryAgent
- DeliversTo - DeliveryAgent,Location


### Chapter 3 ER to Relational Schema Mapping

Since it is a N:N relationship one of the participating entities is involved in a total participation, so the relationship set is converted into an entity set on its own



- Delivery Table(DeliveryID,DAgentID,LocID)


## Chapter 4 User Interface Screens



Sign in

SIGN IN


[Forgot password?](#) [Don't have an account? Sign Up](#)




Sign up


SIGN UP


[Already have an account? Sign in](#)


 Menu


 Orders


Food Item	Qty	Price
Burger	<div>- 3 +</div>	₹ 140
Pizza	<div>- 0 +</div>	₹ 160
Pasta	<div>- 2 +</div>	₹ 180
Bread Sticks	<div>- 0 +</div>	₹ 130
Cold Coffee	<div>- 1 +</div>	₹ 120
French Fries	<div>- 2 +</div>	₹ 90
Salads	<div>- 1 +</div>	₹ 170
Sandwich	<div>- 0 +</div>	₹ 150
Subway Sandwich	<div>- 0 +</div>	₹ 160


 Menu

 Cart

 Orders

 Menu

 Cart

 Orders

Checkout

1

 Shipping address 

2

 Payment details 

3

 Review your order

Shipping address

Mithun Rosinth V V

121 SivaSakthi Nagar, GandhiNagar

p/o, Tiripur, 641603, India

☐ Use this address for payment details

NEXT



**Orders**

### Checkout

✓ Shipping address

2 Payment details

3 Review your order

#### Payment method

Name on card

Card number

Expiry date

CVV

Last three digits on signature strip

☐

BACK

NEXT

Menu

Cart

Orders

**Orders**

### Checkout

✓ Shipping address

✓ Payment details

3 Review your order

#### Order summary

Burger		
Qty: 3		₹140
Pasta		
Qty: 2		₹180
Cold Coffee		
Qty: 1		₹120
French Fries		
Qty: 2		₹90
Salads		
Qty: 1		₹170
<b>Total</b>		<b>₹1250.00</b>

Shipping

Payment details

Menu

Cart

Orders

#### Order summary

Burger		
Qty: 3		₹140
Pasta		
Qty: 2		₹180
Cold Coffee		
Qty: 1		₹120
French Fries		
Qty: 2		₹90
Salads		
Qty: 1		₹170
<b>Total</b>		<b>₹1250.00</b>

Shipping

Payment details

Menu

Cart

Orders

**Orders**

#### DETAILED BILL

Order #SWIQ8C2N29CN3RNIN

Burger		
Qty: 3		₹140
Pasta		
Qty: 2		₹180
Cold Coffee		
Qty: 1		₹120
French Fries		
Qty: 2		₹90
Salads		
Qty: 1		₹170
<b>Total</b>		<b>₹1250.00</b>

#### Shipping

Mr Mithun Rosinth  
121 SivaSakthi Nagar, GandhiNagar p/o,  
Tiripur, 641603, India

Menu

Cart

Orders



## Sign in - (Employee)

**SIGN IN**

[Forgot password?](#)

Delivery Agent		Desk Agent App	
<div>DETAILED BILL</div> <div>Order #SWIQ8C2N29CN3RNIN</div> <div><div><div>Burger</div><div>Qty: 3</div><div>₹140</div></div><div>Pasta</div><div>Qty: 2</div><div>₹180</div><div>Cold Coffee</div><div>Qty: 1</div><div>₹120</div><div>French Fries</div><div>Qty: 2</div><div>₹90</div><div>Salads</div><div>Qty: 1</div><div>₹170</div><div>Total</div><div>₹1250.00</div></div> <div><div>Shipping</div><div>Mr Mithun Rosintha</div><div>121 SivaSakthi Nagar, GandhiNagar p/o,</div><div>Tiripura, 641603, India</div></div>		<div><div>Orders No</div><div>Detailed Bill</div><div>Reassign</div></div> <div><div>f2c78d5-bd5f-4</div><div><a href="#">Detailed Bill</a></div><div>Assigned to Employee #21</div></div> <div><div>bdb8488-0388-4</div><div><a href="#">Detailed Bill</a></div><div>PENDING -&gt; REASSIGN</div></div> <div><div>3ce993a-f825-4</div><div><a href="#">Detailed Bill</a></div><div>Assigned to Employee #61</div></div> <div><div>be6c9d2-ec07-4</div><div><a href="#">Detailed Bill</a></div><div>PENDING -&gt; REASSIGN</div></div> <div><div>cec3da8-f643-4</div><div><a href="#">Detailed Bill</a></div><div>Assigned to Employee #11</div></div> <div><div>ff67a34-459e-4</div><div><a href="#">Detailed Bill</a></div><div>Assigned to Employee #01</div></div> <div><div>d4d1504-274e-4</div><div><a href="#">Detailed Bill</a></div><div>PENDING -&gt; REASSIGN</div></div> <div><div>ff6cd75-79c1-4</div><div><a href="#">Detailed Bill</a></div><div>PENDING -&gt; REASSIGN</div></div> <div><div>d2d9198-9e0b-4</div><div><a href="#">Detailed Bill</a></div><div>Assigned to Employee #21</div></div>	

**Desk Agent App**

### ASSIGN ACTIVE AGENT

Employee's Available	Status
Employee #32	Pending
Employee #42	Pending
Employee #12	Pending
Employee #07	Rejected
Employee #87	Rejected

NOTIFY

### ASSIGN INACTIVE AGENT

Employee's Available	Select
Employee #32	<input type="radio"/>
Employee #42	<input checked="" type="radio"/>
Employee #12	<input type="radio"/>
Employee #07	<input type="radio"/>
Employee #87	<input type="radio"/>

ASSIGN

**Desk Agent App**

### ASSIGN ACTIVE AGENT

Employee's Available	Status
Employee #32	Pending
Employee #42	Pending
Employee #12	Accepted
Employee #07	Rejected
Employee #87	Rejected

NOTIFY

**DeliveryAgent App**

Delivery Location	GMaps Location	
Ettimadai	<a href="#">Click here to get the location in Gmaps</a>	<div>ACCEPT</div> <div>REJECT</div>
Peelamedu	<a href="#">Click here to get the location in Gmaps</a>	<div>ACCEPT</div> <div>REJECT</div>

## References

**<https://material-ui.com/>**