**Introduction of Project**

Online food corner is a web based application that stimulates the foodies (customers). Most of the people like [to order goods online](https://en.wikipedia.org/wiki/Online_Shop). So, we are offering a platform through which the customer can order the fast food and as well different other food items. Customer can choose one or more items to place an order which will land in the Cart. Customer can view all the order details in the cart before checking out. At the end, customer gets order confirmation details. Then admin will pass this order to the chef. When chef will have made the order then, admin will assign this order to delivery team. This team will be responsible to deliver that product in time to the customer and after delivery, must change the status of that order-id from in-process to delivered. The payment will be managed on delivery.

Admin also purchases products or raw material (things comprises of food items) from market. Admin maintains quantity of food in his kitchenware and manage all stuff requiring to make specific order. Once order been placed, then admin also manages the billing of that specific order and act as an accountant too.

**Business Rules**

* All meals in a single order must be delivered to the same location of that customer.
* Order price is calculated as the sum of each food item price times the quantity of that food item ordered, plus a delivery charges.
* User cannot place order without login.
* Delivery time cannot be prior to the order date-time of that order.
* Minimum payment should be hundred rupees.
* The items that in the respective customer order that are ready made (like vegetables and drinks) should not be assigned to the chef by admin.
* Once the order placed after that user cannot do changes in it.
* Admin cannot manage (do changes) suppliers food items. One can only buy stuff from it.
* Chef and delivery team both can just change their status of respective order.
* Payment must be cash on delivery.
* At a time, only one order can be placed to one respective chef. If all chefs are busy then admin can place new order to any chef.

**Conceptual Diagram (ER diagram)**

Time

Status

( 1, 1 )

( 1, 1 )

(1,N )

Price

Quantity

Quantity

Price

Delivery Team

Id

Name

CellNo

Assign Order

Buys Items

Description

Item\_Name

ItemID

Contains

Food Items

Supplier

Manages

Admin

Id

Id

Manages Order

Description

Menu

LName

FName

Customer

Food\_Name

FoodID

Address

CellNo

( 1 , N)

( 1, N )

( 1, 1 )

( 0, N))

CellNo

Name

Id

Chef

Passes Order

Hours

Status

Hours

Status

( 1, N )

( 1, N )

( 1, 1 )

( 1, 1 )

( 1, 1 )

**Logical Database Design**

**Reports**

There are following reports that will be generated in our project.

1. List of orders placed along with the customers.
2. List of chefs along with those orders that they made.
3. Show those orders that are not been prepared yet by the chef.
4. List of those orders that are in process (not delivered yet).
5. List of those products/food items that the admin will buy from supplier/market.
6. List of all the food items of each category in the admin’s kitchen.
7. Pageant those customers who buys most of the things among others.
8. Display those food items or grocery that are finished in admin’s kitchen/collection.
9. Show most favorite or demanding food item of our food corner.
10. List all the orders placed in a day along with the ordered food items.
11. Pageant those chefs that have made the most of the orders along with the status of delivery.
12. Show all suppliers from which the admin can buy grocery in order to manage his food corner.

**Technology to be used**

Programming language: C#

Platform: ASP.Net

Software: Visual studio 2017, Microsoft SQL Server 2012