



**Arab Academy for Science and Technology and Maritime
Transport**

College of Computing & Information Technology

Information System Department

Online Food Ordering System

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Introduction:

Online Ordering System can be defined as a simple and convenient way for customers to purchase food online, without having to go to the restaurant. This system is enabled by the internet – it is the internet that connects the restaurant or the food company on one hand, and the customer on other hand. Therefore, as per this system, the customer visits the restaurant's app or website, browses through the various food items, combos and cuisines available there and goes ahead and selects and purchases the items he or she needs. These items will then be delivered to the customer at his or her doorstep at the time they choose by a delivery person. Payments for such online orders can be made through debit cards, credit cards, cash or card on delivery, or even through digital wallets. This system for online food delivery is completely safe, secure and is a very popular method that is revolutionizing the way in which the food industry operates.

Problem definition:

Our problem for making this system is to save customer time and make facilitate the order process to make the order without any effort through the internet and pay his bills electronically.

Objectives:

- Speed up the ordering operation.
- More be efficient.
- Manual work has to be reduced.
- provide flexibility to customers for make order.
- Change or edit the order.

Scope:

The main scope in our system is to provide customers for make any food order without any effort through his device without going to any restaurant or any fast-food place to make an order and waste a lot of time during the day and make an option for the customer to cancel any order through the system and make an access for the admin to see reports about all process in the system and updating menus with new meals.

Functional Requirements:

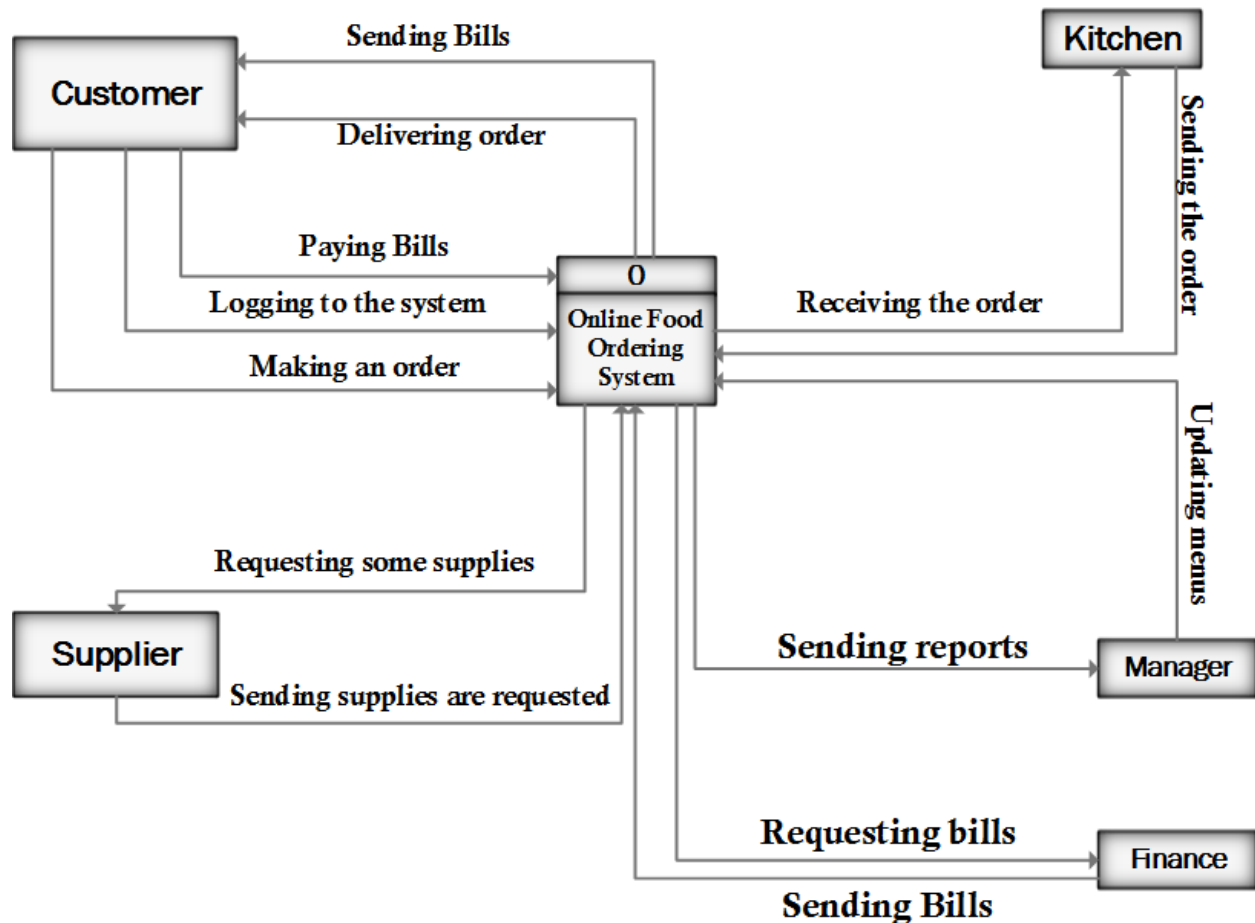
- User's accounts
- Creation user's profile
- Making order
- Confirm order
- View order details
- Cancellation
- Update profile

Non-Functional Requirements:

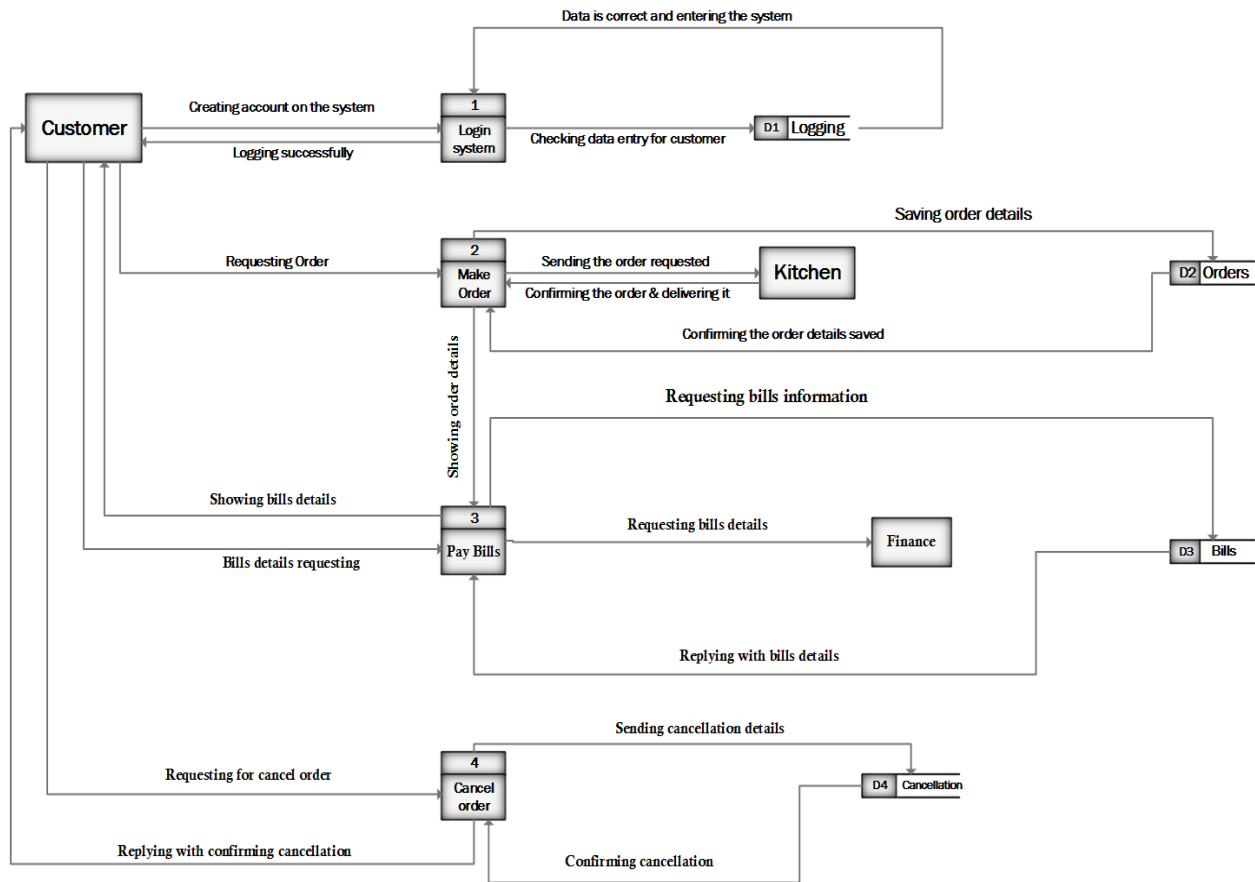
- **Performance:** our system must be with good performance to support the ordering process and to avoid any delay in our system.
- **Usability:** Our system must be easy for using it and so efficient and must be simple to the customer for using it to do his task very quickly
- **Integrity:** each component in our system must be integrated with each other to be working together and doing all processes with high performance

- **Security:** our system must be secure because to avoid any hack about our data and the data is very important.

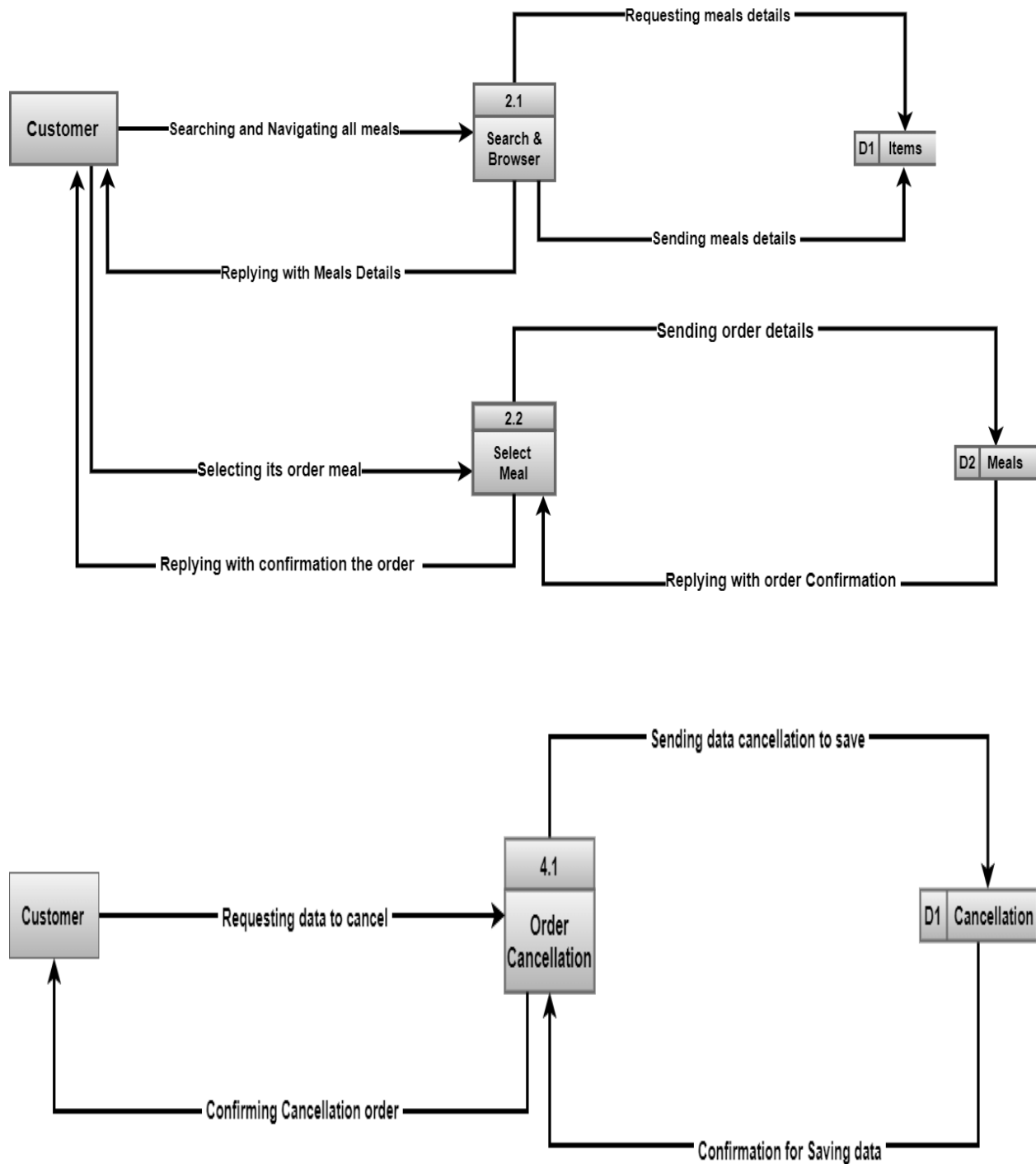
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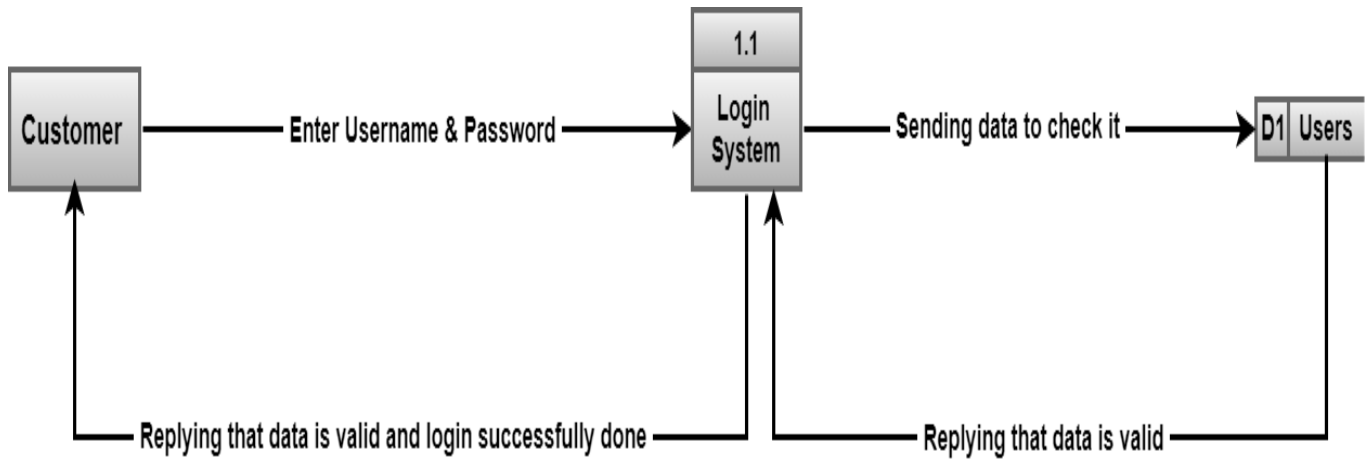


Zero Level:

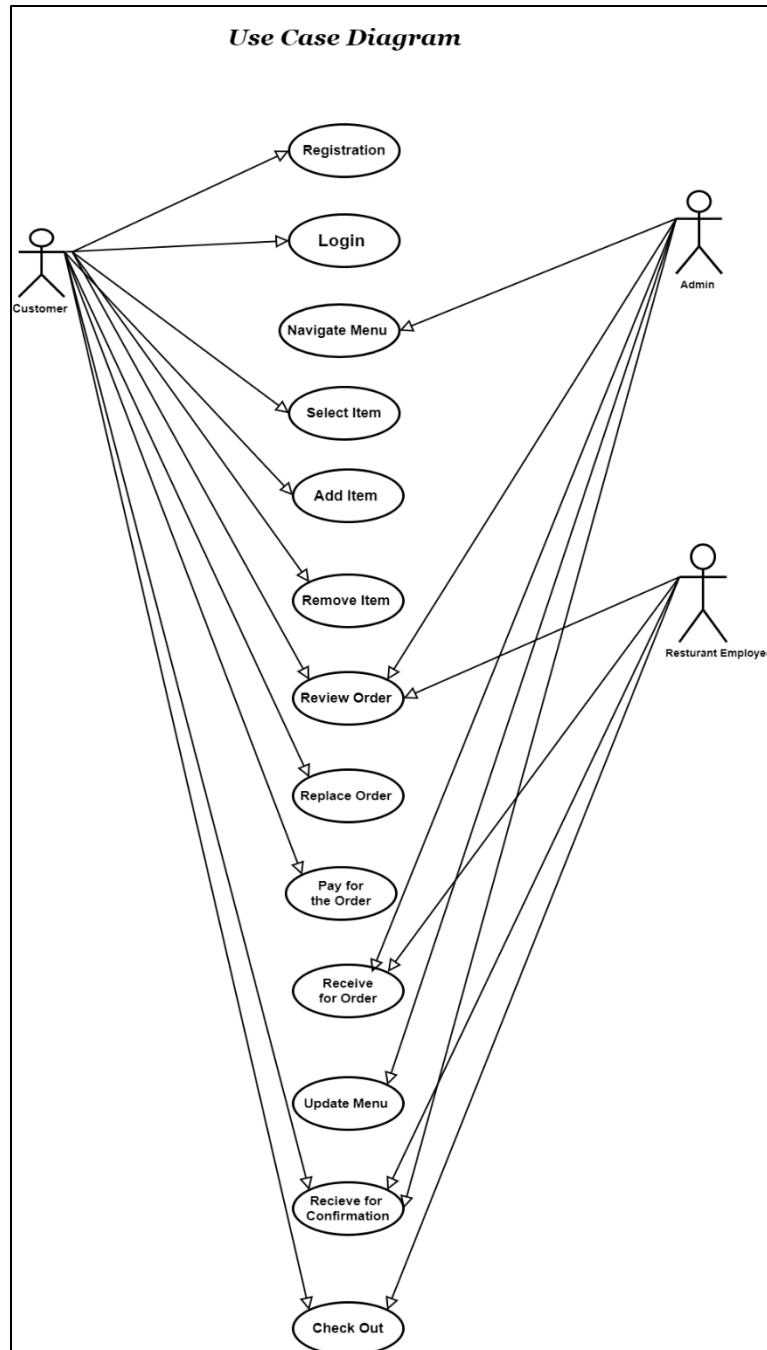


One Level:





Use Case Diagram:



Data Flow Description Form:

Data Flow Description	
ID: 1 Name: "Order requesting" Description: it contains the order information with each details and use this information for making order	
Source: Customer	Destination: make order process
Type of data Flow: <input type="checkbox"/> File <input checked="" type="checkbox"/> Screen <input type="checkbox"/> Report <input type="checkbox"/> Form <input type="checkbox"/> Internal	
Data Structure Traveling with the Flow: "orders details"	Volume/Time: 10 KB / 1 minute
Comments	

Data Flow Description	
ID: 2 Name: "Bills Details requesting" Description: It contains bills information with each details and it is used for payment status	
Source: Customer	Destination: Pay Bills process
Type of data Flow: <input type="checkbox"/> File <input checked="" type="checkbox"/> Screen <input type="checkbox"/> Report <input type="checkbox"/> Form <input type="checkbox"/> Internal	
Data Structure Traveling with the Flow: "bills details"	Volume/Time: 20 KB / 2 minute
Comments	

Data Flow Description	
ID: 3 Name: "Order Cancellation requesting" Description: It is contains all data about cancellation order	
Source: Customer	Destination: Cancel Order Process
Type of data Flow: <input type="checkbox"/> File <input type="checkbox"/> Screen <input type="checkbox"/> Report <input checked="" type="checkbox"/> Form <input type="checkbox"/> Internal	
Data Structure Traveling with the Flow: "it contains all details about cancellation"	Volume/Time: 50 KB / 3 Min
Comments	

Data Store Description Form:

Data Store Description Form	
ID: D3 Name: Bills Alias: Bills Master Description: It Contains all payment information	
File Type: <input checked="" type="checkbox"/> Computer <input type="checkbox"/> Manual File Format: <input checked="" type="checkbox"/> Database <input type="checkbox"/> Indexed <input type="checkbox"/> Sequential Record size: Number of Record: Maximum: 70,000 Average: 30,000 Growth Percent: 7%	
Data Set Name: bills.MST Data Structure: payment status Primary Key: B_ID Secondary Key:	
Comments	

Data Store Description Form

ID: D2

Name: Orders

Alias: Orders Master

Description: it contains all orders data

File Type: ☒ Computer ☐ Manual

File Format: ☒ Database ☐ Indexed ☐ Sequential

Record size:

Number of Record: **Maximum: 40,000** **Average: 45,000**

Growth Percent: 9%

Data Set Name: orders.MST

Data Structure: Orders status

Primary Key: order_ID

Secondary Key:

Comments

Data Store Description Form

ID: D4

Name: Cancellation

Alias: Cancellation Master

Description: it contains all information about all orders are cancelled

File Type: ☒ Computer ☐ Manual

File Format: ☒ Database ☐ Indexed ☐ Sequential

Record size:

Number of Record: **Maximum: 60,000** **Average: 30,000**

Growth Percent:

Data Set Name: Cancellation.MST

Data Structure: Cancellation Status

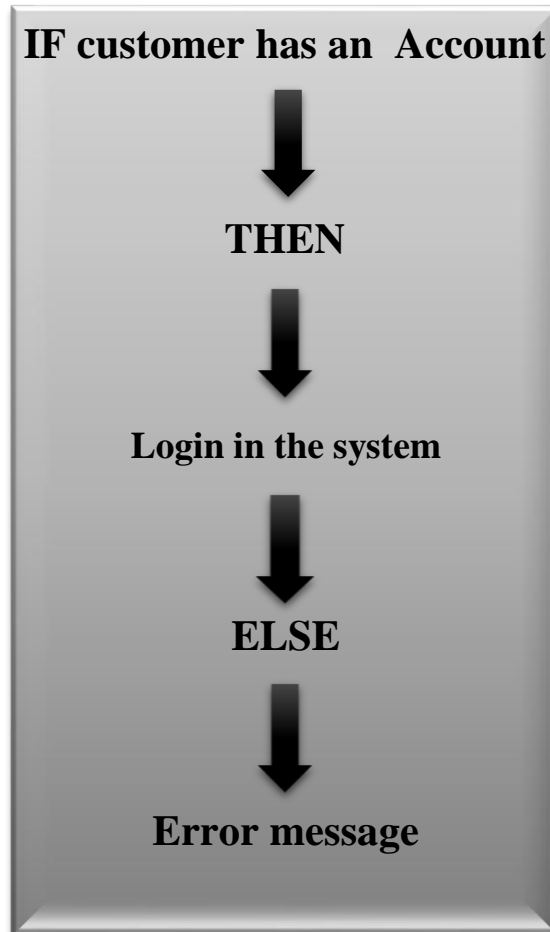
Primary Key: Cancel_ID

Secondary Key:

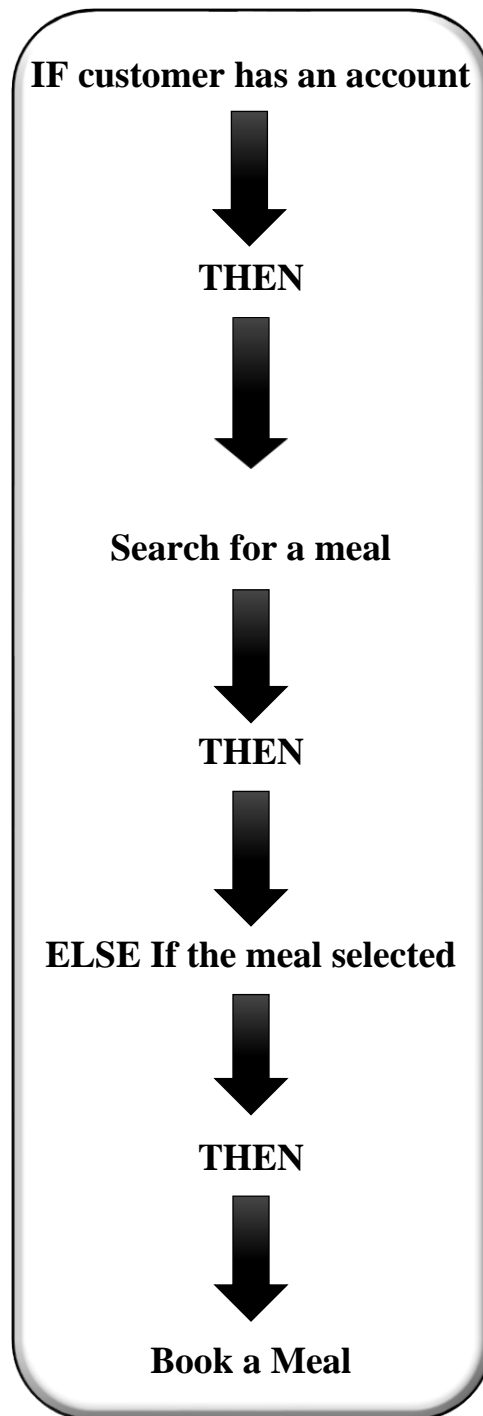
Comments

Structure English

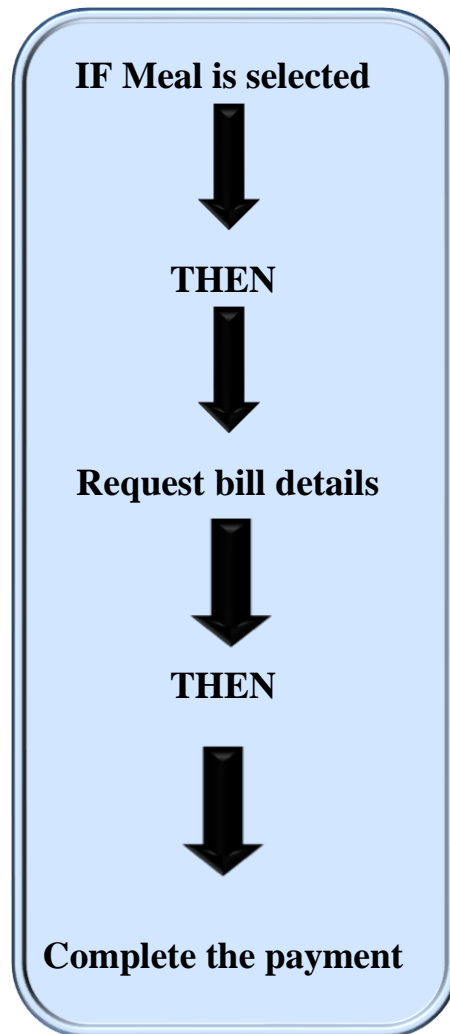
- *Login*



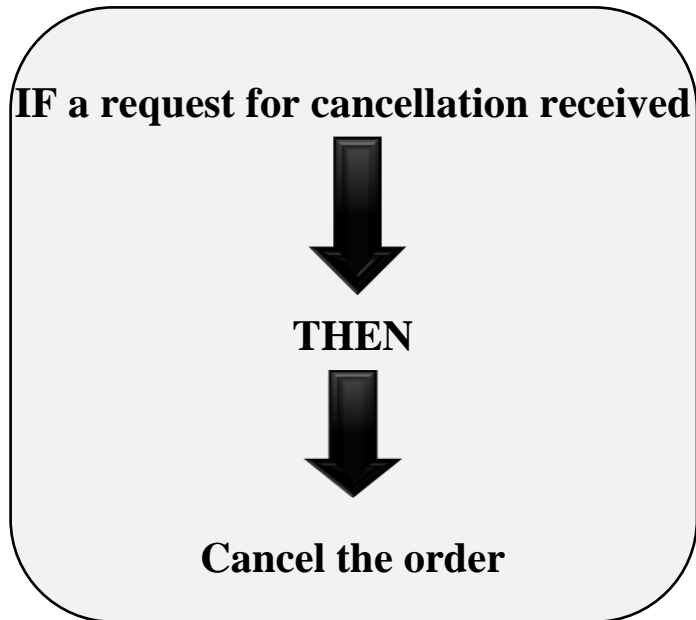
- *Search for a Meal*



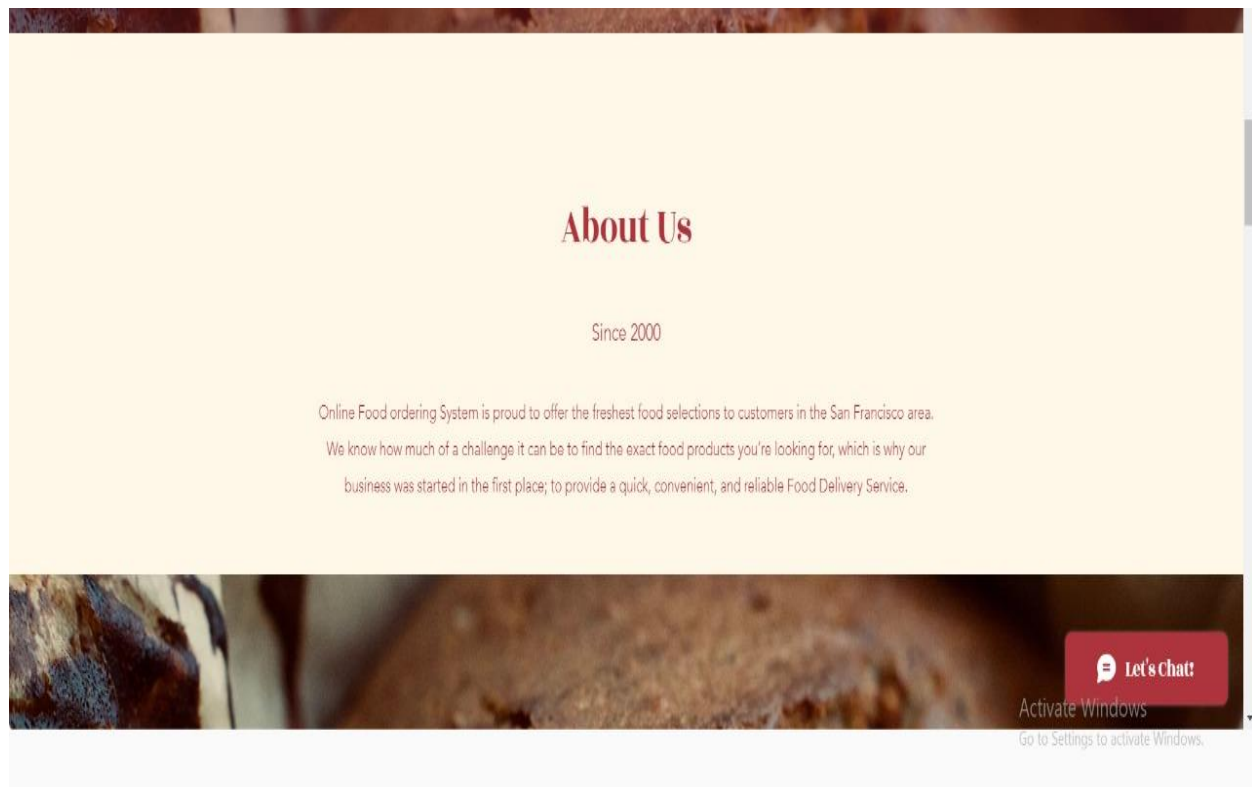
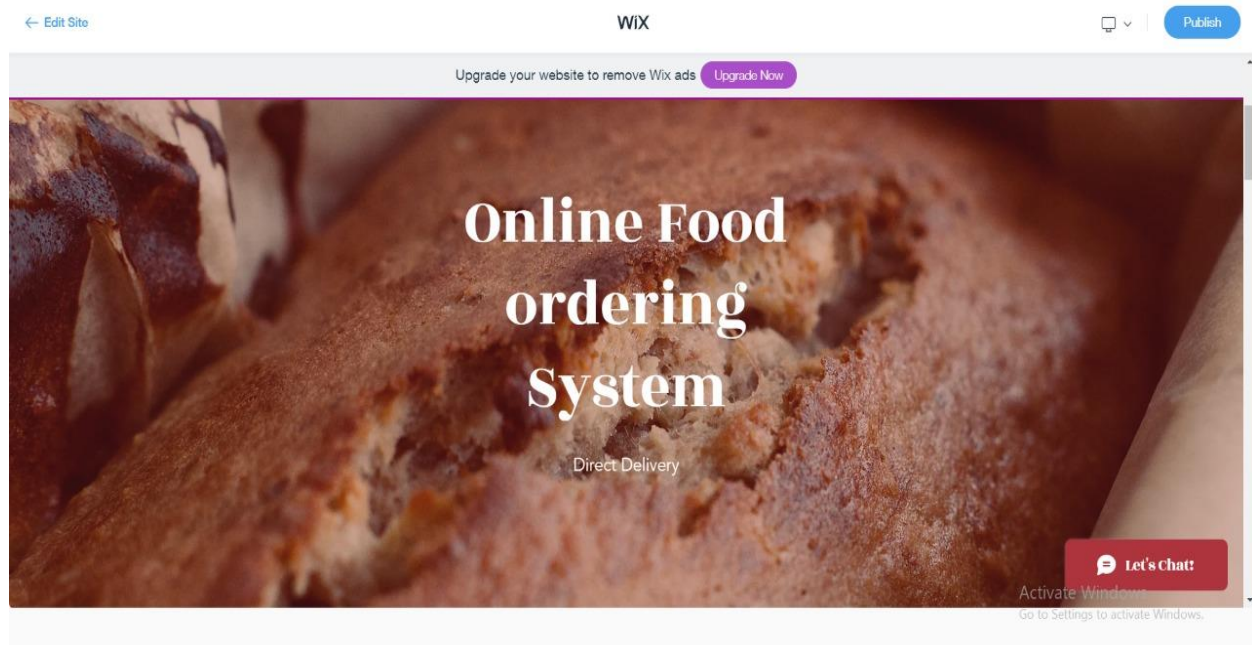
- *Payment*

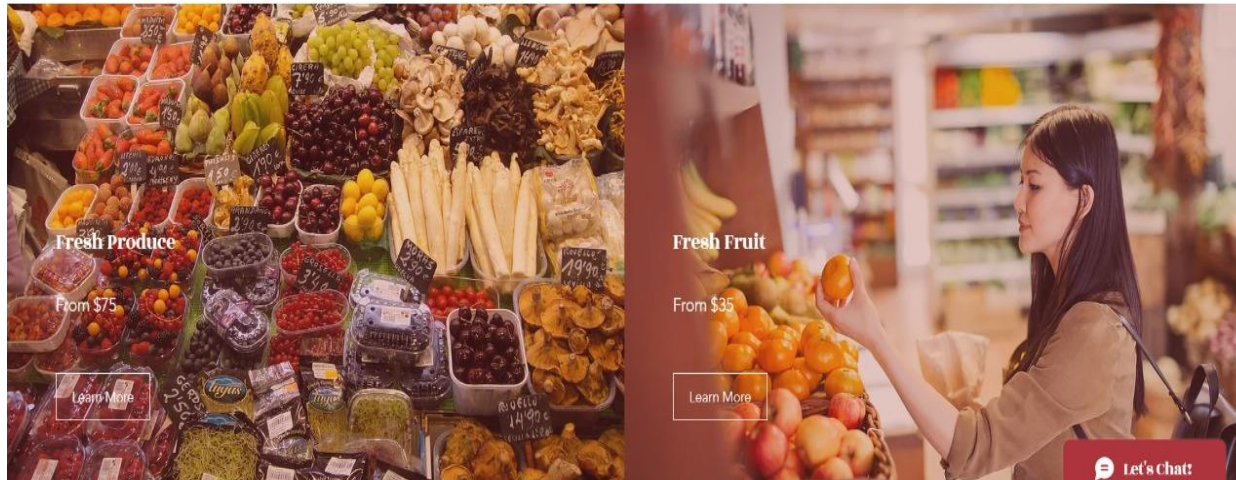
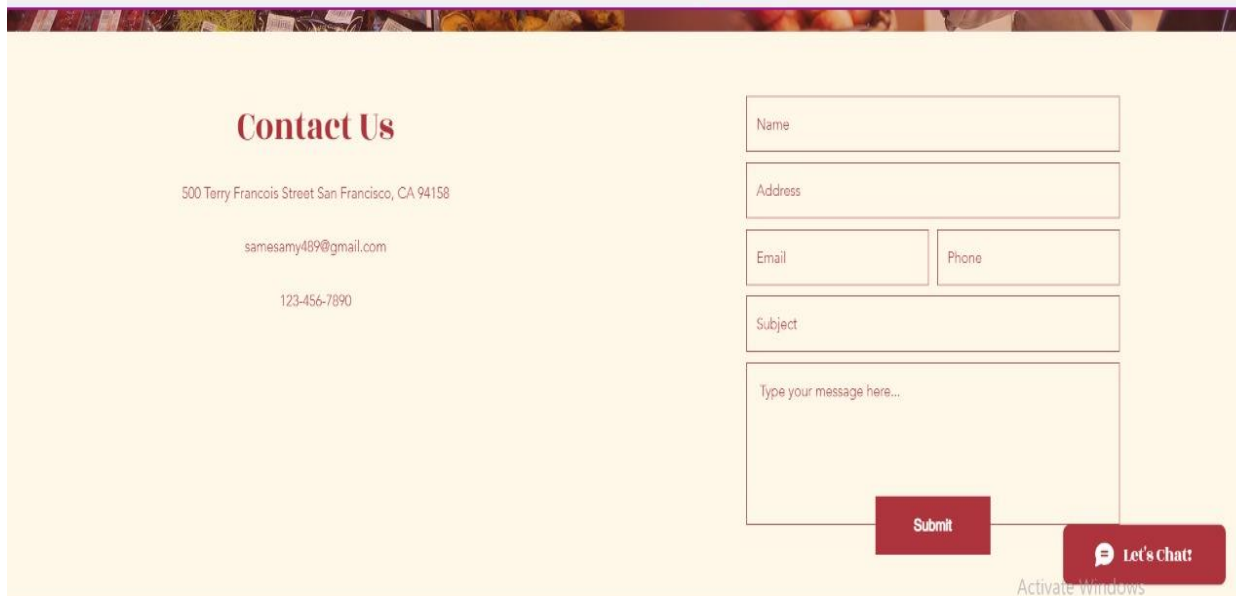


- *Cancellation*



Screenshots of our Prototype



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