



Department of Software Engineering , FSIT

Course Code: SWE 431

Project Title:

Online Food Order System

Submitted By:

Rejuanul Haque

ID: 161-35-1499

Supervised By:

Md. Maruf Hassan

Assistant Professor

Department of Software Engineering

Daffodil International University

DECLARATION

We hereby declare that we have taken this thesis under the supervision of **Md. Maruf Hassan** , Assistant Professor, Department of Software Engineering, Daffodil International University. We also declare that neither this thesis/project nor any part of this has been submitted elsewhere for award of any degree.

Rejuanul Haque

Rejuanul Haque

ID: 161-35-1499

Batch : 19th

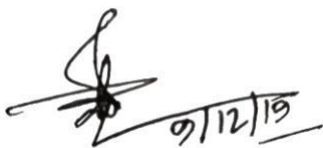
Department of Software Engineering

Faculty of Science & Information

Technology

Daffodil International University

Certified by:



07/12/19

Md. Maruf Hassan

Assistant professor

Department of Software Engineering

Faculty of Science & Information Technology

Daffodil International University

Acknowledgement

At first I am very grateful to my Almighty that he has given me a chance to walk through final year. In my previous year of my university life I have learnt politeness, morality and etc. For this I am thankful to all of my teachers.

I am very grateful to my father; he always inspires me and always gives value to my opinion. My mother, who is ideal women to me and my favorite person, has always given me courage and immense love. I am very thankful to parents for their immense love and affection.

I am very grateful to my supervisor, **Mr. Maruf Hassan** for giving a chance to work with this project and also thankful to Online Food Ordering System. In the time of working with this project sometimes I got some obstacles. For overcoming from this obstacle, some of my friends are always there besides me. Specially, I am very thankful to my friend **MD. Ashikur Rahman**, who always gives me courage to walk and I have learnt many things from him

ABSTRACT

Online Food Order System also known as quick service Food within the food service industry is a specific type of restaurant characterized both by its fast food cuisine and by minimal table service. Food served in fast food restaurants is offered from a limited menu, cooked in bulk in advance and kept hot, is finished and packaged for order and is usually available ready for pickup or to be delivered though seating may also be provided. The customers presently spend an average of 60 minutes per day going to the restaurant, selecting their meals and paying. Some restaurants have the provision of customers making a call to the restaurant in advance to order a meal to be ready for them for pick or to be delivered to them.

The customer will be in a position to view the products, register and place an order. There will be a confirmation receipt for each and every order made by the customer which can be printed .The development of this system will be based on SDLC with PHP and HTML as the programming languages while MySQL server as the database of the system. HTML language is advantageous due to its easy to use and learn validation properties while MySQL has better advanced features and properties, has good security, is open source and has cross platform operability

Table of Contents

Chapter-1 Introduction	1
1.2 Purpose	1
1.2.1 Background.....	1
1.2.2 Benefits:.....	2
1.3 Stakeholders:	2
1.4 System process:	3
1.5 Project Schedule.....	5
1.5.1 Gantt chart	5
1.5.2 Milestones/Deliverables	6
Chapter-2 Business Requirement.....	7
2.1 Business Requirements	7
2.2 BR-1:.....	7
2.3 BR-2	7
2.4 BR-3	7
2.5 BR-4.....	7
2.6 BR-5	7
2.7 Trace Ability Matrix.....	8
Chapter-3 Requirements Specification	9
3.1.1 Functional Requirements.....	9
3.1.2 Searching Food Voice to text	9
3.1.3 Online Registration.....	9
3.1.4 Do Login.....	10
3.1.5 Verify register Customers.....	10
3.1.6 Opportunity to Cash on delivery	10

3.1.7 Customer can order food	11
3.1.8 View All Orders.....	11
3.1.9 View Personal Orders	11
3.1.10 View Distance.....	12
3.2.1 Performance Requirements	12
3.2.2 Speed and latency requirements	12
3.2.3 Precision and accuracy requirements	13
3.2.4 Capacity Requirements	13
3.3 Dependability requirements.....	13
3.3.1 Reliability and availability	14
3.3.2 Robust and fault tolerance requirements	14
3.3.3 Safety critical requirements	15
3.4 Maintainability and supportability.....	15
3.4.1 Maintenance requirements	15
3.4.2 Supportability Requirements Specification	15
3.4.3 Adaptability requirements	16
3.5 Security requirements	16
3.5.1 Access requirements	17
3.5.2 Integrity requirements.....	17
3.5.3 Privacy requirements	17
3.6 Usability and human integrity requirements	18
3.6.1 Ease of use requirements	18
3.6.2 Understandability and Politeness Requirements	19
3.6.3 Accessibility Requirements	19
3.6.4 User Documentation	19

3.7 Look and Feel	20
3.7.1 Appearance Requirements	20
3.7.2 Style Requirements	20
3.8 Operational and Environmental Requirements	21
3.8.1 Expected Physical Requirements	21
3.8.2 Requirement for Interfacing with Adjacent System	21
3.8.3 Release Requirements	21
3.9 Legal Requirements	21
3.9.1 Compliance Requirements	21
Chapter-4 Requirement Analysis	22
4.1 Use Case Diagram	22
4.1.1 Search food voice to text	24
4.1.2 Do Registration	25
4.1.3 Do login	26
4.1.4 Order Food	27
4.1.5 Verify and add customer.....	28
4.1.6 Cancel Order	29
4.1.7 Add or delete food items	30
4.1.8 View Personal Orders	31
4.1.9 View all orders	32
4.1.10 View Distance.....	33
4.2 Activity Diagram	34
4.2.1 Login Activity.....	35
4.2.2 Registration	36

4.2.3 Admin Activity.....	37
4.2.4 Customer Activity.....	38
4.2.5 Customer Verify Activity.....	39
4.2.6 Cancel Order Activity.....	40
4.2.7 Distance Activity.....	41
4.3 Sequence Diagram.....	42
4.3.1 Registration Sequence.....	42
4.3.2 Login Sequence	43
4.3.3 Admin Login Sequence.....	44
4.3.4 Order food sequence.....	45
4.3.5 Cash on Delivery Sequence.....	46
4.3.6 Cancel Order Sequence.....	47
4.3.7 Add Customer Sequence.....	48
4.3.8 Add & Delete Sequence.....	49
4.3.9 View Personal Order Sequence.....	50
4.3.10 View All Order Sequence.....	51
Chapter-5 Design And Development.....	52
5.1 Development tools and technology	52
5.1.1 User interface technology	52
5.1.2 JQuery UI.....	52
5.1.3 CSS framework or Bootstrap.....	52
5.1.4 Programming Language	54
5.2.1 Implemented tools and platform.....	54
5.2.2 Database Server.....	54
5.3 DFD 0 level	55

5.4 DFD 1 level	56
5.5 Class Diagram	57
5.6 Database Diagram	58
Chapter-6 Test Plane.....	59
6.1 Testing Feature.....	59
6.1.1 Features to Be Tested	59
6.1.2 Testing Strategy.....	60
6.1.3 Test approach.....	60
6.2.1 Black Box Testing	60
6.2.3 Boundary Value Analysis	60
6.2 Testing Schedule	61
6.3 Testing Environment.....	62
6.4 Test Cases.....	62
6.5.1 Login.....	63
6.5.2 File Size.....	65
6.5.3 Required Input Field	66
6.5.4 Checking Editable and Not Editable.....	67
Chapter-7 User Manual.....	68
7.1 Search Food.....	68
7.2 Search Food List.....	68
7.3 Search Details.....	69
7.4 Add To Cart.....	69
7.5 Registration	70

7.6 Login	70
7.7 Check and Confirmation	71
7.8 Admin Dashboard	71
7.9 Add-Category	72
7.10 Show Category.....	72
7.11 Add Food.....	73
7.12 Show Food	73
Chapter-8 Conclusion.....	74
8.1 Project Summary	74
8.2 Limitations	74
8.3 Obstacles and Achievements.....	75
8.4 Future Scope.....	75
8.5 References	76

List of Figures

Figure 1.2: System Process Model -----	3
Figure-1.3: Gantt Chart -----	5
Figure-3.1: Use-Case Diagram -----	22
Figure-4.2: Activity Diagram-----	34
Figure-4.2.1: Login Activity-----	35
Figure-4.2.2: Registration Activity-----	36
Figure-4.2.3: Admin Activity-----	37
Figure-4.2.4: Customer Activity-----	38
Figure-4.2.5: Customer Verify-----	39
Figure-4.2.6: Cancel Order Activity-----	40
Figure-4.2.6: Distance Activity-----	41
Figure-4.3.1: Registration -----	42
Figure-4.3.2:Login Sequence-----	43
Figure-4.3.3: Admin Login Sequence-----	44
Figure-4.3.4: Order Food Check Now Sequence-----	45
Figure-4.3.5: Cash on Delivery Sequence-----	46
Figure-4.3.6: Cancel Order Sequence-----	47
Figure-4.3.7: Add Customer Sequence-----	48
Figure-4.3.8: Add & Delete Food Sequence-----	49
Figure-4.3.9: View Personal Order Sequence-----	50
Figure-4.3.10: View All Order Sequence-----	51
Figure-5.3: DFD 0 Level -----	55
Figure-5.4: DFD 1 Level -----	56
Figure-5.5: Class Diagram-----	57
Figure-5.6: Database Diagram -----	58

Chapter-1 Introduction

1.1 Overview:

As the name of this project is online food ordering system it helps to reduce the food problem that occurs in manual process. The problem of unhygienic food daily is a common thing in our daily life. That's why this project is been created to reduce the problem of staled food that keeps the restaurant ready for the customers but couldn't sell them at the right time. This software is going to create something new that a customer will order before he came to the restaurant so there will not be any waste of food and customer will get pure hygienic food at the right time.

1.2 Purpose

Online Food Ordering System to provide the all customer help to people, in a word this website is for Information purpose.

1.2.1 Background

Food is converted by oxygen into energy for your body, A waste product of this process is carbon dioxide which you then breathe out. People with lung conditions can find breathing out harder to do. If carbon dioxide builds up in your body it can make you feel weaker. Good balanced diets helps maintain your strength and fitness and promote a healthy immune system as well as helping you fight their severity if you do get an infection or flare up. Time to time proper eating is essential for our body. For outgoing students, service holders it's a challenge. Maintaining it by manually is a confusing thing for the next day. Sometimes it's a thread for people when they don't find their desired food outside.

1.2.2 Benefits:

Online food order is very beneficial for food because:-

1. Customer can place order through internet.
2. Customer will be very happy with the food online.
3. Customer will order friendly food.
4. Customer should never fail with food.
5. Up to The minute update menu.
6. Various payment gateways.
7. On time delivery.
8. This software is easy to use.
9. This software is safe and secure.
10. Customer will be able to order Easy Food.

1.3 Stakeholders:

There are many members associate with this project. They have helped to develop the system directly or indirectly.

Internal Stakeholders:

1. System Administrator
2. Buyers(Customers)

1.4 System process with Flowchart:

The following model depicts how this food order system work and also shows its process. The model is given above that represents the proposed system model of “Online Food Ordering System”. It is a web based online application from where customers can order food according to their choices. This system will have two separate actors like: Admin and Customer which have different activities. In which, services of the system will upload, maintain and update of the Admin and Customer will take their expected services from the system. The detailed procedure of the proposed system is given below:

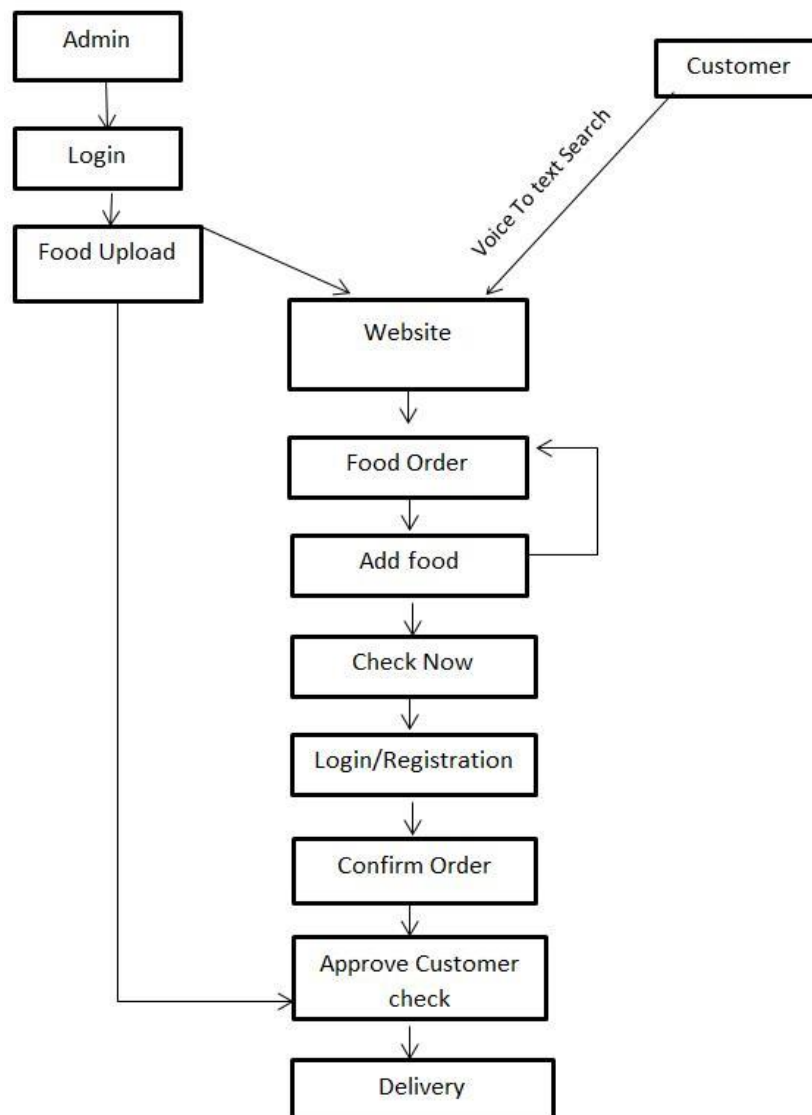


Figure 1.2: System Process Model

First of all, Admin complete his login with the help of server. For giving service Admin will upload the updated food name with picture and price. Admin can subsequently modify the food name, picture and price. Sometimes, Admin can give discount offer for the food or price. On the other hand, Customer can see the uploaded food name with picture and price from the system website. From there, they can select food item according to their choice with seeing picture and price. They have chance to select multiple items within one order. For that, they have to select item and add these to the cart and after completing food selection they have to click “Check now” for giving order. In this stage, if he/she is already a registered customer then he/she must have to log in. Without login no one can confirm their order. And if he/she is not registered yet then after completing registration he/she can confirm the expected order. When they confirm their order a notification will show to the Admin panel. For confirming order needs to approval from Admin panel. After checking the customer and order request, admin will confirm it and deliver the ordered food items in the to the customer’s address. In this system, the payment process is “Cash on Delivery”. So, customer will pay after receiving the foods.

1.5 Project Schedule

For developing project or something else, schedule helps for proper planning. I also make a schedule for developing and executing my project properly.

1.5.1 Gantt chart

Stakeholders will get a clear view of this project, about its completion time by seeing the following Gantt chart.

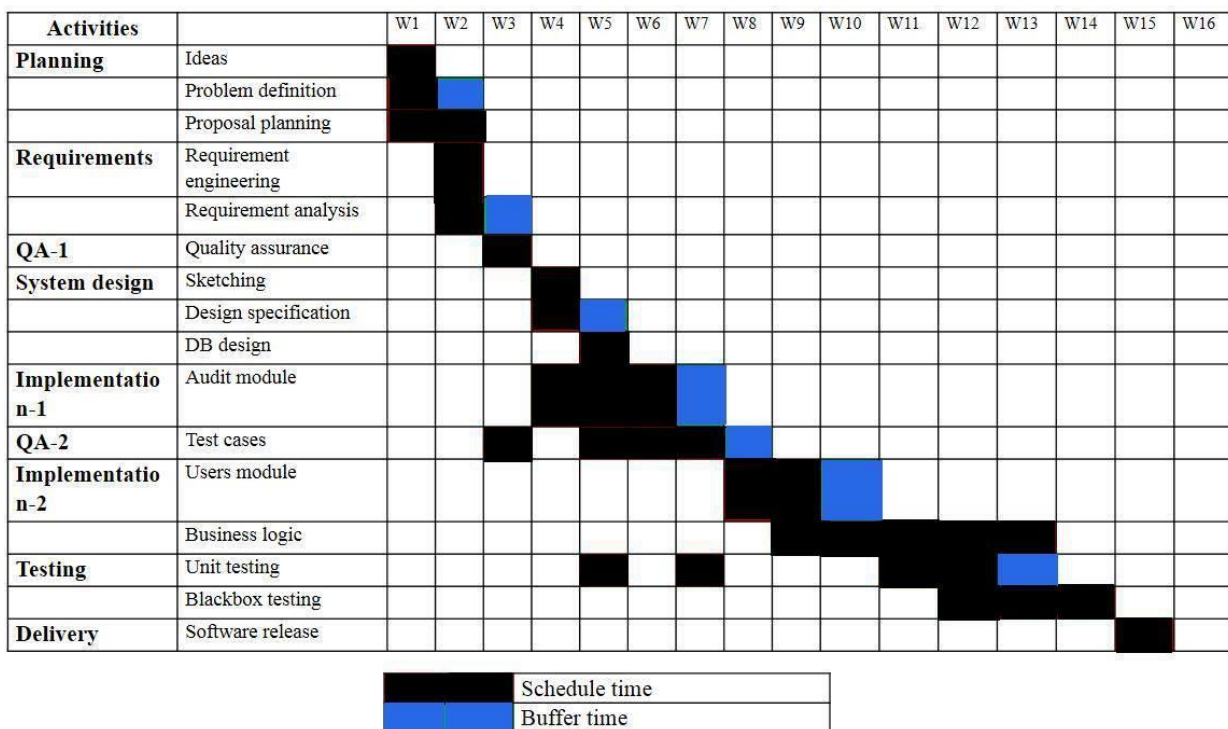


Figure-1.3: Gantt Chart of Online Food Ordering System

1.5.2 Milestones/Deliverables

Milestones, a timeline of a project, will clarify the task. These project milestones are as follows:

Task No	Task Name	Date
1	Requirements gathering and analysis	2 week
2	Sketching the overall system	1 week
3	Database design	1 week
4	UI design	1 week
5	Implementing the business logic	1 week
6	Testing	3 week
7	Evaluating the project	1 week

Chapter-2 Business Requirement

2.1 Business Requirements

Online Food Order System is in the home and office food delivery services industry for the purpose of making profits and we will ensure we do all that is permitted by the law of the Bangladesh to achieve our business aims and objectives. Here are some of our products and services

1. Takeout and delivery
2. Home and office service
3. Offer Promotion

2.2 BR- 1

The online food ordering system comes in your budget. The method with all the features and the functionality is matched with your budget not go too overboard

2.3 BR- 2

If any user shares your application to their friends, they get rewards. This type of promotion is beneficial for getting new users.

2.4 BR- 3

Online food delivering system can increase sales. As you go online, you are allowing more people to reach your business leading to more sales.

2.5 BR- 4

Marketing is one of the best functionality for improving your business growth. Much online food ordering system provides a discount and reward functionality

2.6 BR- 5

Online food ordering system works 24 X 7 and allows customers to place online orders at any time and any place.

2.7 Trace Ability Matrix

Project Manager			Business analyst Lead		
QA Lead			Target implementation Date		
BR#	Category/ Functional Activity	Requirement Description	Use Case Reference	Test Case Reference	comments
BR-1	Functional	Searching food Voice to text	Use case 4.1.1	Test case 6.5.1 Test case 6.5.2	
BR-2	Functional	Add to Cart	Use case 4.1.4	Test case 6.5.3	
BR-3	Functional	Cash on delivery	Use case 4.1.5	Test case 6.5.4	
BR-4	Functional	Check out	Use case 4.1.8	Test case 6.5.2	
BR-5	Functional	View Distance	Use case 4.1.10	Test case 6.5.4	

Chapter-3 Requirement Specification

3.1.1 Functional Requirements

The whole projects have to develop on the basis of the following requirements.

3.1.2 Searching Food Voice to Text

FR-1	Searching Food Voice To Text
Description	The system has option to search food with voice search. A Google API used in the system that's why people easily search their food.
Stakeholders	Admin, Customer.

3.1.3 Online registration

FR-2	Online registration
Description	User need to registration first in this site. After registration admin can checked and approved their registration. Then user will able to order food.
Stakeholders	Customer

3.1.4 Do Login

FR-3	Do Login
Description	After Registration User will able to log in. Then they will order foods from the system.
Stakeholders	Admin , Customer

3.1.5 Verify register Customer

FR-4	Verify register Customer
Description	After registration admin can checked and approved their registration. Then user will able to order food.
Stakeholders	Admin

3.1.6 Opportunity of Cash on delivery

FR-5	Opportunity of Cash on delivery
Description	When User orders foods from the system they have option to pay amount cash on delivery.
Stakeholders	Admin

3.1.7 Customers can Orders food

FR-7	Customers can Orders food.
Description	User After registration and log in they they will able to orders food.
Stakeholders	Admin , Customer

3.1.8 View All orders

FR-8	View All orders
Description	User will able to view all of their order they have done. Admin will able to view all of the orders which orders by all users.
Stakeholders	Admin

3.1.9 View Personal orders

FR-9	View Personal orders
Description	User will able to view all of their won order they have done
Stakeholders	Admin , Customer

3.1.10 Distance

FR-10	Distance
Description	When user orders a food then they will see the distance or location of the orders foods. So its helps user to find distance and knowing about the time to delivered food.
Stakeholders	Admin , Customer

3.2.1 Performance Requirements:

It's very important to maintain the performance of the project. To ensure a good performance, this project has to meet some requirements which will ensure a good performance.

3.2.2 Speed and latency requirements

While inserting or viewing the system in the browser, system need a minimum amount of speed to perform the task.

SLR-1	The system will be faster
Description	While the admin and customer food order system browsing the system the system will be up. It also depends on admin and customer internet connection.
Stakeholders	Admin , Customer

3.2.3 Precision and accuracy requirements

Systems have to ensure the precision and accuracy of the data.

PAR-1	Data accuracy
Description	Data should have to accurate at the time of inputting. If the data will not accurate system will not allow to save the data. Like in the membership fees, if total inputting amount will not match with total amount of selecting member's fees, system will not allow to save.
Stakeholders	Admin, Customer.

3.2.4 Capacity Requirements

System is able to manage all the inserting data of audit person

CR-1	The system will manage all the inserting data in database.
Description	Admin can category wise all add delete updates.
Stakeholders	Admin

3.3 Dependability requirements

By the terms of dependability, it does not mean that this project is totally relying on something. Here, dependability means the running time of this project.

3.3.1 Reliability and availability

In order to support global and smooth operations the system must be available around the clock. On the other hand most services in this system are not mission-critical.

RAR-1	The system must be available 24x7
Description	<ul style="list-style-type: none">• The system must be available 24 hours in a day• The system must be updated regularly• The system must generate report and other things un time
Stakeholders	<ul style="list-style-type: none">• Admin• Customer

3.3.2 Robust and fault tolerance requirements

In every system, there will have some person for destroying something. System will have to handle this type of person easily.

RFT-1	The system handles over access and system errors
Description	Sometimes multiple user can over access to this system. The system can handle multiple user access
Stakeholders	N/A

3.3.3 Safety critical requirements

There are no specific safety critical requirements

3.4 Maintainability and supportability

To look after or maintain and support the project some person have to associate with this project.

3.4.1 Maintenance requirements

MR-1	System helps to update the accounts information and member info at any time
Description	Audit person can insert income, expense, member info. This data will stored and update at any time
Stakeholders	Audit person

3.4.2 Supportability Requirements Specification

SRS-1. In order to understand the system's behavior on a technical support required by the system operator. The reason for reading them might be

SRS-2. System malfunction has occurred and the system operator has to find the exact point of time when this happened

SRS-3. System produces wrong results and the developers must be able to reproduce the data flow through the system

SRS-4. Hacker tried to breach the system's security mechanisms and the system operator must understand what he did

3.4.3 Adaptability requirements

There is no specific adaptability Requirements.

3.5 Security requirements

There are no access requirements beside those that have been outlined in the below:

SR-1. Log in as an Admin

SR-2. Log in as Customers

SR-3. Log out as an Admin

SR-4. Log out as a Customers

To get access to this system or a specific module the system must provide a central authentication mechanism. In order to prevent anyone to exploit stolen participants all participants password must be encrypted in hash process.

3.5.1 Access requirements

To get access to the system, the system provides authorization/authentication way. This system uses various modules.

AR-1	The system provides security strategies.
Description	The system is designed in way that allows all modules to access a mechanism that provides security services.
Stakeholders	<ul style="list-style-type: none">• Admin• Customer

3.5.2 Integrity requirements

To protect credentials of user from being stolen, all passwords are stored in encrypted form. The Requirements significantly reduces the value of stolen user credentials, it's not easy to decrypt the password.

3.5.3 Privacy requirements

The system provides a protection of the database in the server. However, the system will have to increment this level of protection because of the personal data made available on the system & the larger share of people that will be having access to it through the system's registration. The user's privacy will be granted by the limited access that the log in process is going to give to the database.

PR-1	All data will be protected
Description	The main requirement in the context is the generation of participant's data for analysis.
Stakeholders	<ul style="list-style-type: none"> • Admin • Customer

3.6 Usability and human integrity requirements

This system is easy to use and only usable for the members of the Customer

3.6.1 Ease of use requirements

The system is easy to use and can easily be understandable.

EUR-1	The system must be usable for participants with all associate stakeholders.
Description	The system indicates the several possibilities that the participants has to go on in using the system. The participants is allowed to undo any of the operation.
Stakeholders	<ul style="list-style-type: none"> • Admin • Customer

3.6.2 Understandability and Politeness Requirements

This section describes more requirements of audit person and BPWN“S members to add more features in future

UPR-1	The features of participants information
Description	The system is more efficiently ease of use more added features .The system is understandability for both user. The system will not use any term that is not specified in this system.
Stakeholders	<ul style="list-style-type: none">• Admin• Customer

3.6.3 Accessibility Requirements

There are no specific accessibility requirements.

3.6.4 User Documentation

UDR-1	The system developer documentation
Description	To develop my project, audit application, I have specified the requirements of user documentation the team 5-4 are involved to my project documentation.
Stakeholders	System Developer

3.7 Look and Feel

There should not exist any unnecessary things on this project.

3.7.1 Appearance Requirements

It should be clear to audit person which fields need to be filled and which can be left blank in this system.

AR-1	Labels of mandatory fields must be bold
Description	Labels of mandatory fields must be bold to identify them as being of mandatory.
Stakeholders	<ul style="list-style-type: none">• Admin

3.7.2 Style Requirements

User interface will be web based. For styling the interface and making lucrative, I need to use CSS, CSS framework as bootstrap, JavaScript

SR-1	The look and feel must be controllable using style sheet.
Description	The styling of the elements of the web based user interface will be defined using CSS, JavaScript and bootstrap.
Stakeholders	<ul style="list-style-type: none">• Admin• Customer• Technical engineer

3.8 Operational and Environmental Requirements

Operational and environmental requirements are very important because this project may not work in every environment and its operation may not accurate in every time.

3.8.1 Expected Physical Requirements

There are no specific expected physical requirements.

3.8.2 Requirement for Interfacing with Adjacent System

There is no specific interfacing with adjacent system requirements

3.8.3 Release Requirements

There are no specific release requirements but in the project schedule section it was described briefly.

3.9 Legal Requirements

Fraudulent data and engaging third party software or third person is totally prohibited.

3.9.1 Compliance Requirements

Compliance requirements are only guidelines for compliance with the hundreds of laws and regulations applicable to the specific type assistance used by the recipient, and their objectives are generic in nature due to the large number of federal programs. Each compliance requirement is identified by a letter, in alphabetical order.

Chapter-4 Requirements Analysis

4.1 Use Case Diagram

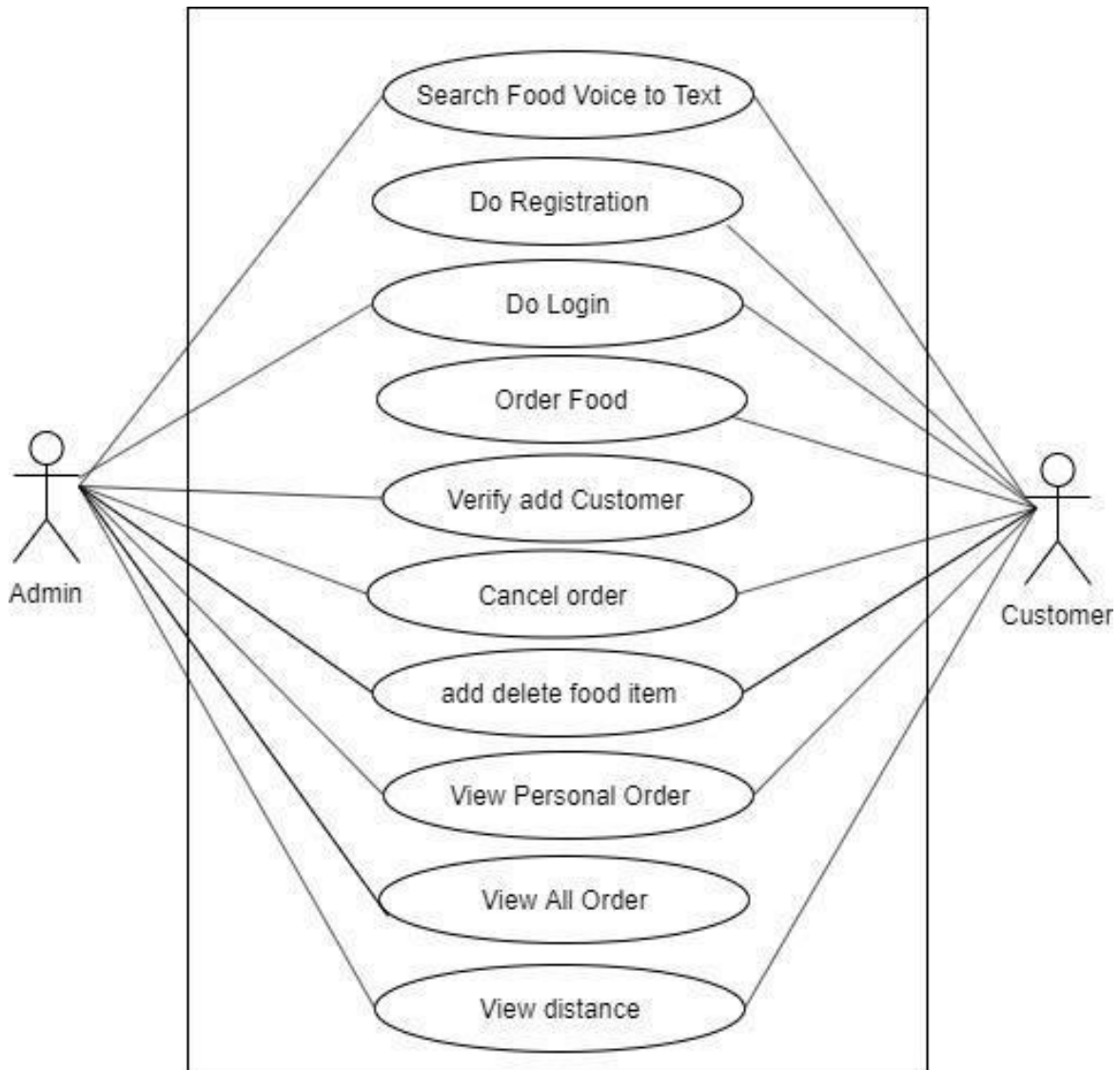


Figure-3.1: Use-Case Diagram of Online Food Ordering System

Use Case Diagram Summery

The following diagram has been depicted with two users. The relationship of different node with these two users clarifies the system in briefly. The diagram is used to model the system of my application. A single use case diagram captures a particular functionality of a system.

There is an admin of a customer. Admin can do food search, login, customer verify, cancel food, add delete item Food, view personal order, view all order, and view distance. Login, food order, cancels food, personal food view and all food view and distance.

4.1.1 Search Food Voice to Text

Use case title	Search Food Voice to Text
Goal	Insert data to database
Preconditions	Admin Must is voice to text search. Must view check Voice search.
Success End Condition	Voice Searching data to insert.
Failed End Condition	Voice Searching has not send the data yet.
Primary Actors:	Admin.
Secondary Actors:	Customer.
Trigger	Admin and customer Can Search Food Voice to Text.
Description / Main Success Scenario	<ul style="list-style-type: none"> • Admin and customer Can Search Food Voice to Text. • Admin view the Food voice to text search and takes steps for preparing same access Panel.
Alternative Flows	<ul style="list-style-type: none"> • Pages reload. • Can't able to give any updating of status or lists.
Quality Requirements	N/A

4.1.2 Do Registration

Use case title	Do Registration
Goal	Showing Registration form.
Preconditions	Must have Registration data in the database.
Success End Condition	Customer can Register for login complete.
Failed End Condition	Must have Registration All input field.
Primary Actors:	Admin.
Secondary Actors:	Customer.
Trigger	External
Description / Main Success Scenario	Customers can complete their registration process Online.
Alternative Flows	<ul style="list-style-type: none"> • Page reload • Check already registered
Quality Requirements	N/A

4.1.3 Do Login

Use case title	Do Login
Goal	Login data to database
Preconditions	Registration in.
Success End Condition	Registration Complete with Login page open.
Failed End Condition	Login has not send the data yet.
Primary Actors:	Admin.
Secondary Actors:	Customer.
Trigger	External
Description / Main Success Scenario	Admin will log in by specific username, password & customer Will log in by their registered username, password.
Alternative Flows	<ul style="list-style-type: none"> • Page reload • Check not registered yet.
Quality Requirements	N/A

4.1.4 Order Food

Use case title	Order Food
Goal	Showing the Order Food data
Preconditions	<ul style="list-style-type: none"> • Must have completed the Customer registration processes. • Must have used the specific Wallet.
Success End Condition	Have all information about Customers into the database.
Failed End Condition	N/A
Primary Actors:	Admin.
Secondary Actors:	Customer.
Trigger	External
Description / Main Success Scenario	Customers that are not verified able to order food with Wallet payment system.
Alternative Flows	N/A
Quality Requirements	N/A

4.1.5 Verify & Add Customers

Use case title	Verify & Add Customers
Goal	To increase customer for more popularity.
Preconditions	<ul style="list-style-type: none"> • Must registered Customer to the following system. • Must validate by Admin verification.
Success End Condition	<ul style="list-style-type: none"> • Go to the Customers Information page. • Check the Verification option of Customers. • Must press Modify for changing conformation. • For adding Customer manually must give all the required information
Failed End Condition	N/A
Primary Actors:	Admin.
Trigger	N/A
Description / Main Success Scenario	Admin will verify Customers after Customer registration process and also Add customers manually.
Alternative Flows	<ul style="list-style-type: none"> • Page reloads. • Check the Information of Customers.
Quality Requirements	N/A

4.1.6 Cancel Order

Use case title	Cancel Order
Goal	For handling illogical or false request.
Preconditions	<ul style="list-style-type: none"> • Must have Registered Customer. • Must order at least one time.
Success End Condition	Admin view the orders and takes steps for preparing ordered foods.
Failed End Condition	Cancel Order has not send the data yet.
Primary Actors:	Admin.
Secondary Actors:	N/A
Trigger	External.
Description / Main Success Scenario	Customers are able to cancel their given order.
Alternative Flows	<ul style="list-style-type: none"> • Pages reload. • Can't able to give any updating of status or lists.
Quality Requirements	N/A

4.1.7 Add or Delete Food Items

Use case title	Add or Delete Food Items
Goal	Delete data to database
Preconditions	<ul style="list-style-type: none"> • Must registered Customer to the following system. • Must validate by Admin verification.
Success End Condition	Deleted data will be successfully stored
Failed End Condition	Food should check the inserting data and should try again
Primary Actors:	Admin.
Secondary Actors:	N/A
Trigger	External
Description / Main Success Scenario	Admin will verified Customers after Customer registration process and also Add customers manually.
Alternative Flows	<ul style="list-style-type: none"> • Pages reload. • Check the Information of Customers.
Quality Requirements	N/A

4.1.8 View Personal orders

Use case title	View Personal orders
Goal	Showing Personal Order data.
Preconditions	<ul style="list-style-type: none"> • Must have Registered Customer. • Must order at least one time.
Success End Condition	Customer View Personal Order.
Failed End Condition	Must be login and registration not yet.
Primary Actors:	N/A.
Secondary Actors:	Customer.
Trigger	External.
Description / Main Success Scenario	Customers can view orders that are done by his/herself.
Alternative Flows	<ul style="list-style-type: none"> • Page reloads. • Can't able to give any updating of status or lists.
Quality Requirements	N/A

4.1.9 View All orders

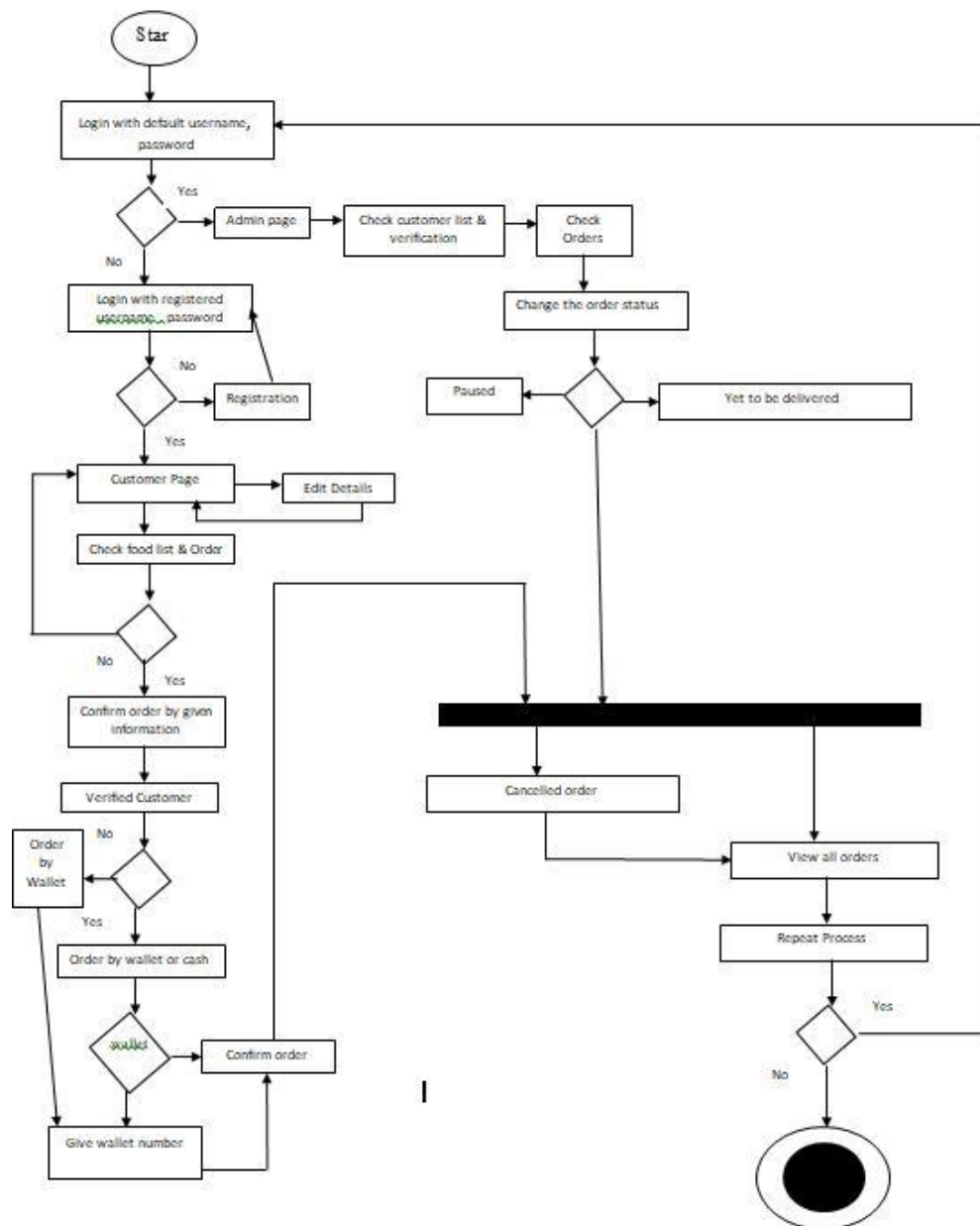
Use case title	View All orders
Goal	Showing View All Orders data..
Preconditions	<ul style="list-style-type: none"> ➤ Must have Registered Customer. ➤ Must order at least one time
Success End Condition	Admin all Order View for update data.
Failed End Condition	Admin view the orders and takes steps for preparing ordered foods. .
Primary Actors:	Admin.
Secondary Actors:	N/A
Trigger	Admin can view all short of orders of Customers
Description / Main Success Scenario	<ul style="list-style-type: none"> • Admin can view all short of orders of Customers. • Admin can change the status any time. • Customer can view the status or his/her orders.
Alternative Flows	<ul style="list-style-type: none"> • Pages reload. • Can't able to give any updating of status or lists.
Quality Requirements	N/A

4.1.10 View Distance

Use case title	View Distance
Goal	Showing View Distance data..
Preconditions	<ul style="list-style-type: none"> ➤ Must have Distance Check. ➤ Must be maintaining Your Panel
Success End Condition	Admin and Customer View All distance check.
Failed End Condition	N/A
Primary Actors:	Admin.
Secondary Actors:	Customer.
Trigger	Distance can view all admin and customer.
Description / Main Success Scenario	Distance can view all admin and customer.
Alternative Flows	<ul style="list-style-type: none"> • Pages reload. • Can't able to give any updating of status or lists.
Quality Requirements	N/A

4.2 Activity Diagram

Following activity diagrams are precisely depicting the flow of the different state of the project. These diagrams are used in software modeling as well as business modeling. Most commonly activity diagrams are used to; Model the workflow in a graphical way, which is easily understandable.



4.2.1 Login activity

User needs to log in with authorized user name and password and then they able to order food. Without log in user just view the site and items but don't able to order anything. So for order something must need to log in.

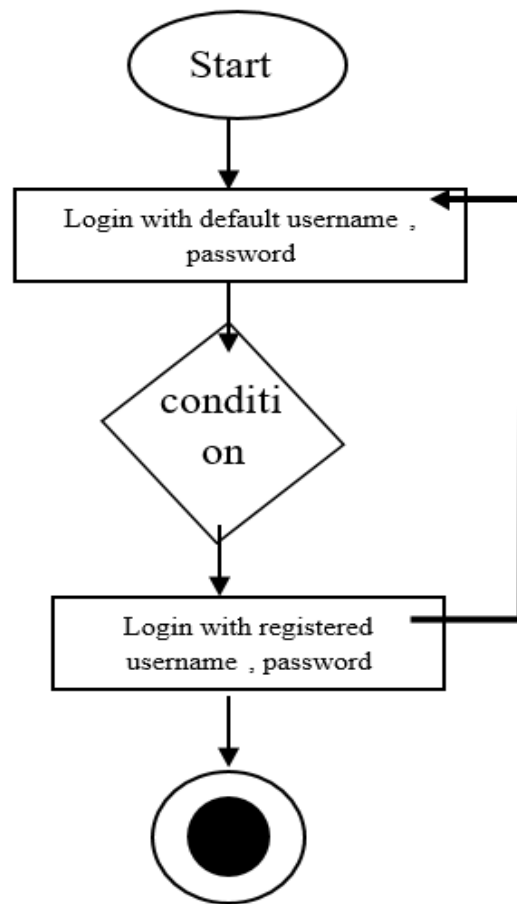


Figure-4.2.1: Login Activity

4.2.2 Registration Activity

User needs to register first and after registration he will be able to log in in the system. Without Registration they don't able to log in the system and without log in user just view the site and items but don't able to order anything. So Registration is Mandatory.

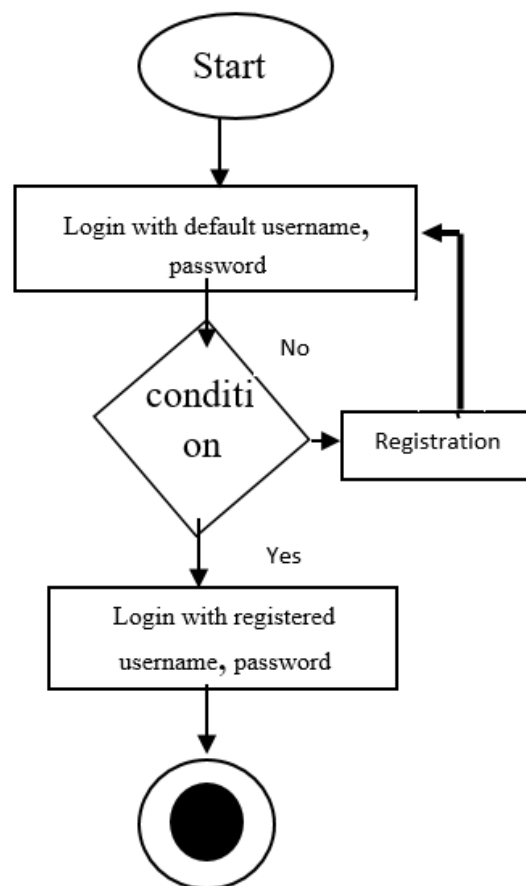


Figure-4.2.2: Registration Activity

4.2.3 Admin Activity

Admin first need to log in the system, after log in admin will check all the customers list. Admin approve the request of users who requested for registration. If they are valid then admin will approved them. User Order Food then admin will confirm the orders.

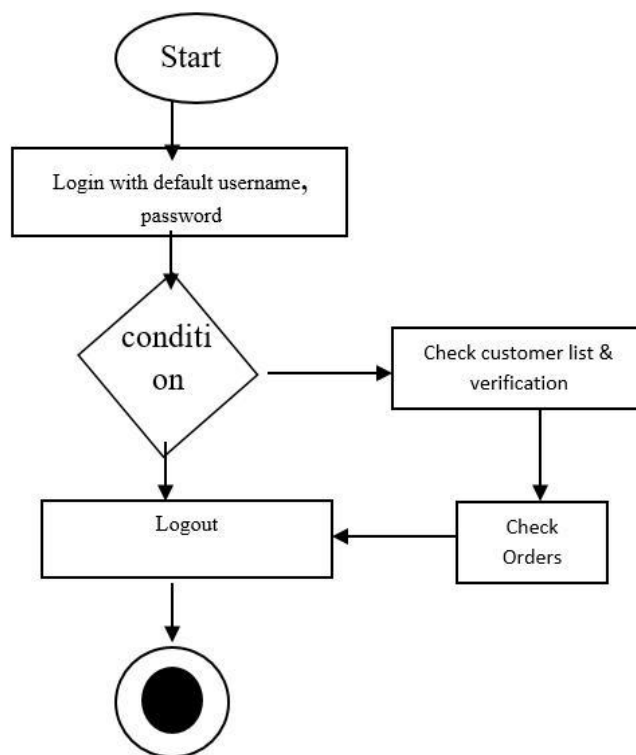


Figure-4.2.3: Admin Activity

4.2.4 Customer Activity

Customer or user order foods and after order they will able to edit or delete order. When admin approved they will able to check the final order. Customer also checks the location or distance. After order they will get the food from nearest restaurant.

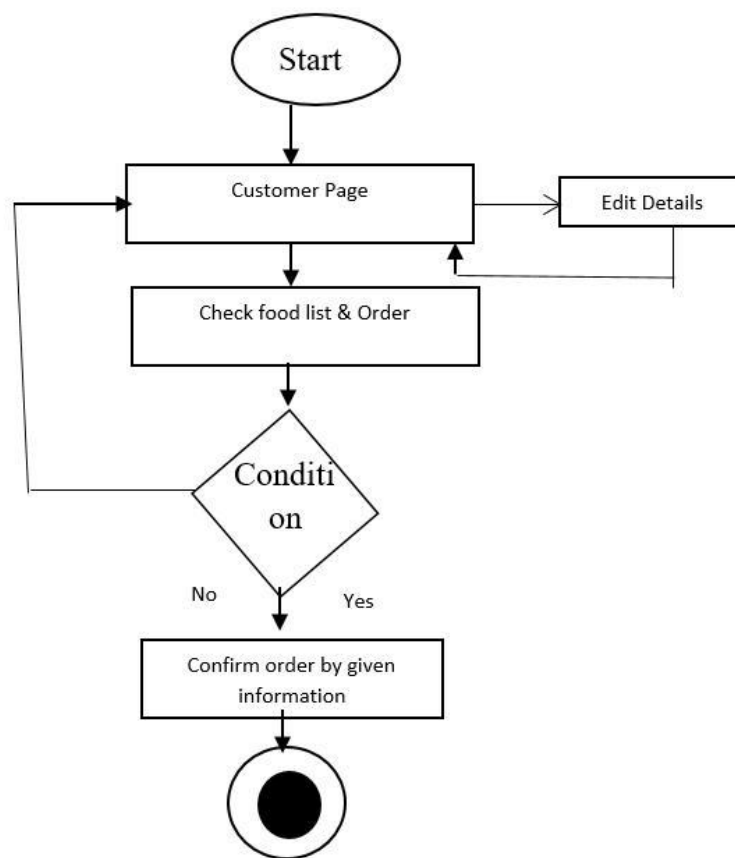


Figure-4.2.4: Customer Activity

4.2.5 Customer Verify Activity

After registration admin checked and approved the user's request. When it's approved then user get a wallet and profile. Without approved users unable to log in the system. Admin will verify then so they needs to provide real info when they registered..

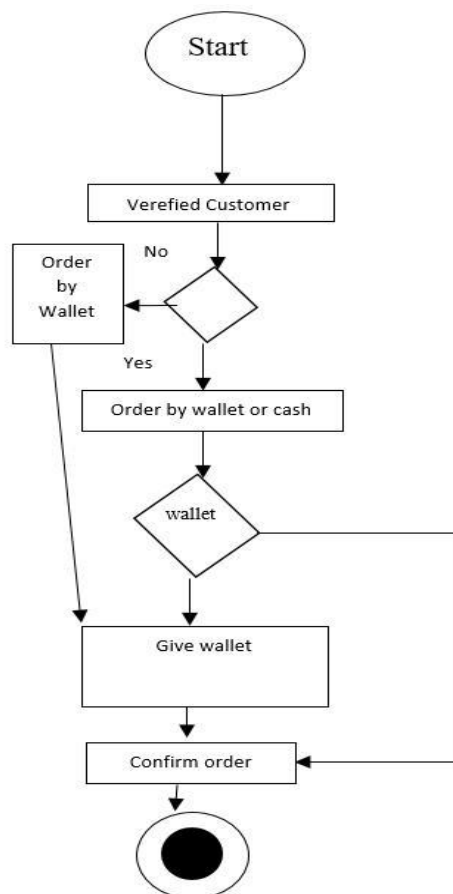


Figure-4.2.5: Customer Verify Activity

4.2.6 Cancel Order Activity

User will able to cancel their won order. Admin get notification also canceled the order.

For cancel order user also have to logged in the system if he logged out then first need to log in again and then doing the activities.

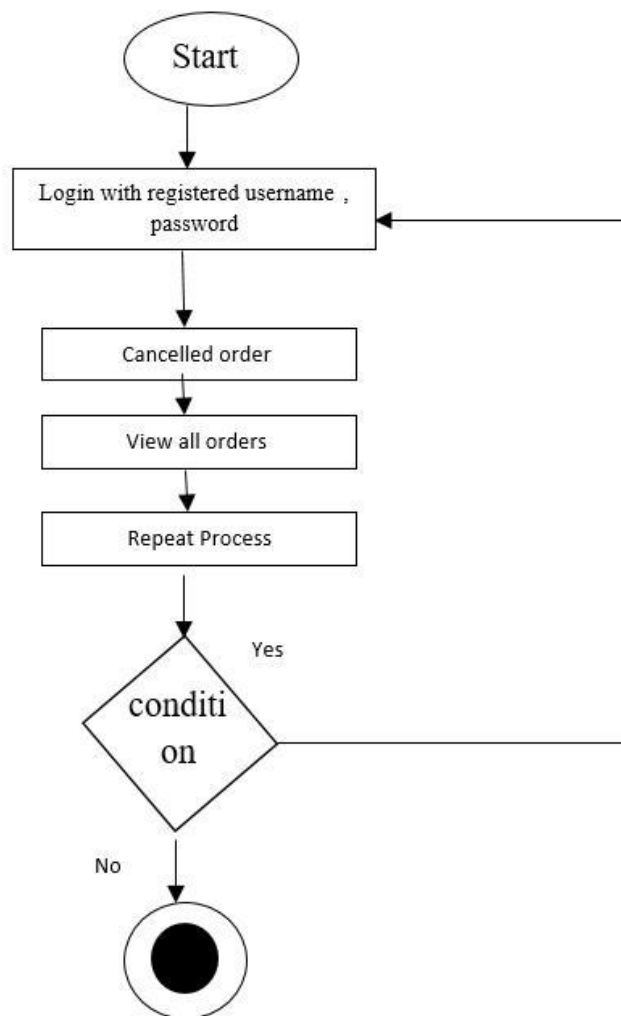


Figure-4.2.6: Cancel Order Activity

4.2.7 Distance Activity

User checks the location and distance ordered food. After checked the location distance he will choose restaurant from his nearest one. He also able to see the time to delivered food in his place. So its very helpful to users when its argent.

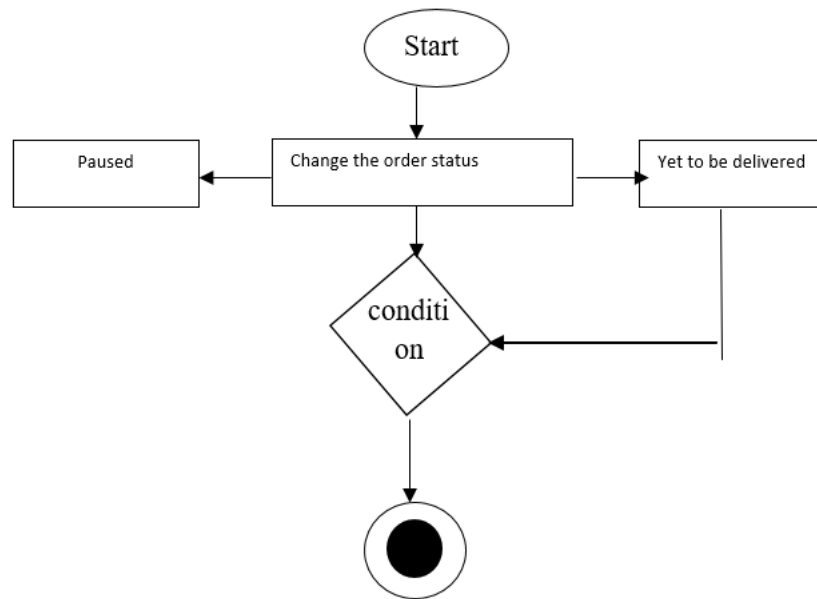


Figure-4.2.7: Distance Activity

4.3 Sequence Diagrams

Data should be flowed sequentially in a project. The following sequential diagrams show the data, in which the data are flowing sequentially.

4.3.1 Registration Sequence

User needs to log in with authorized user name and password and then they able to order food. Without Verified or authorized information they failed to log in.

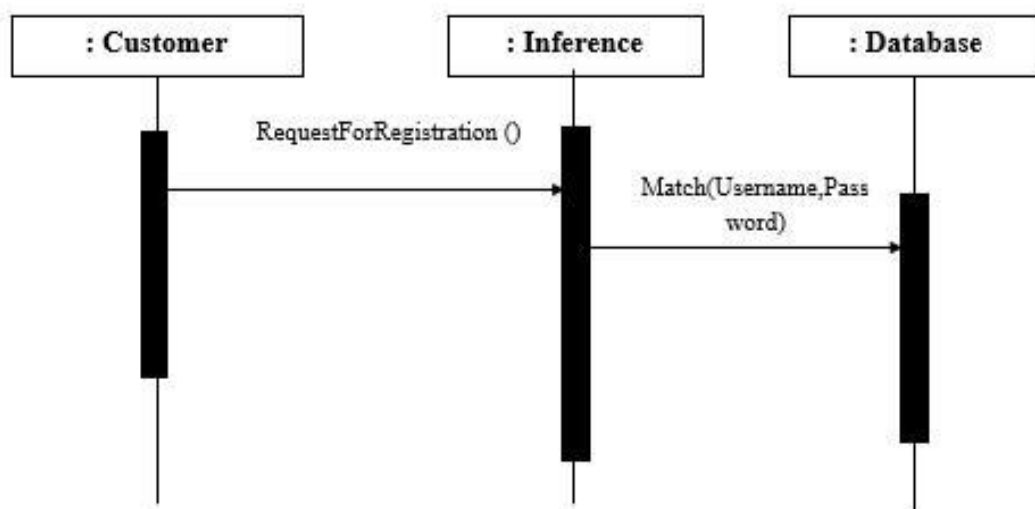


Figure-4.3.1: Registration Sequence

4.3.2 Login Sequence

User needs to log in with authorized user name and password and then they able to order food. Without Verified or authorized information they failed to log in.

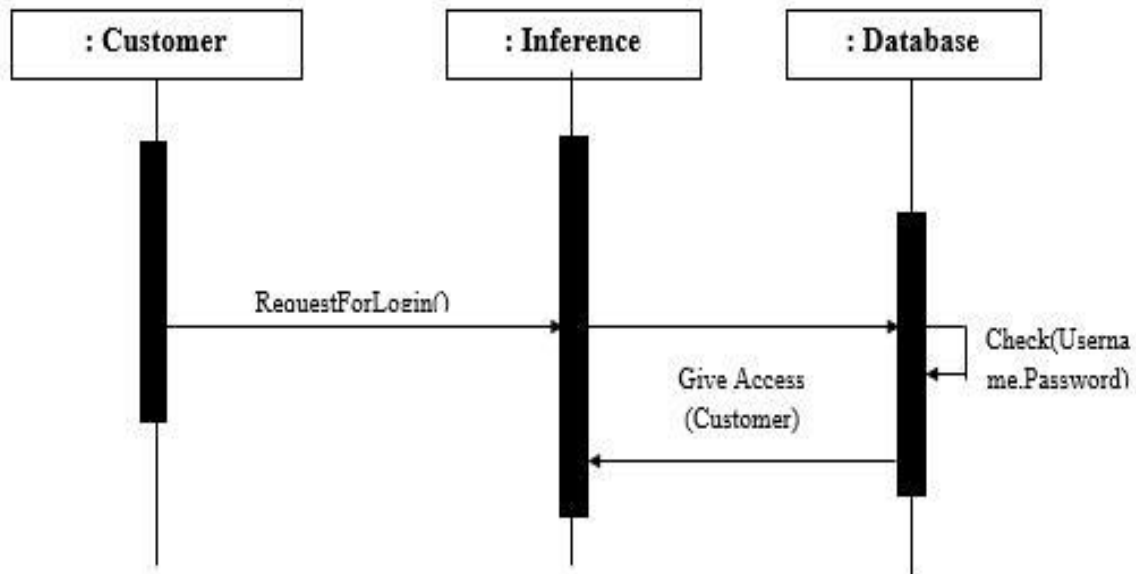


Figure-4.3.2: Login Sequence

4.3.3 Admin Login sequence

Admin first need to log in the system, after log in admin will check all the customers list, approve the request of users and approved the food order.

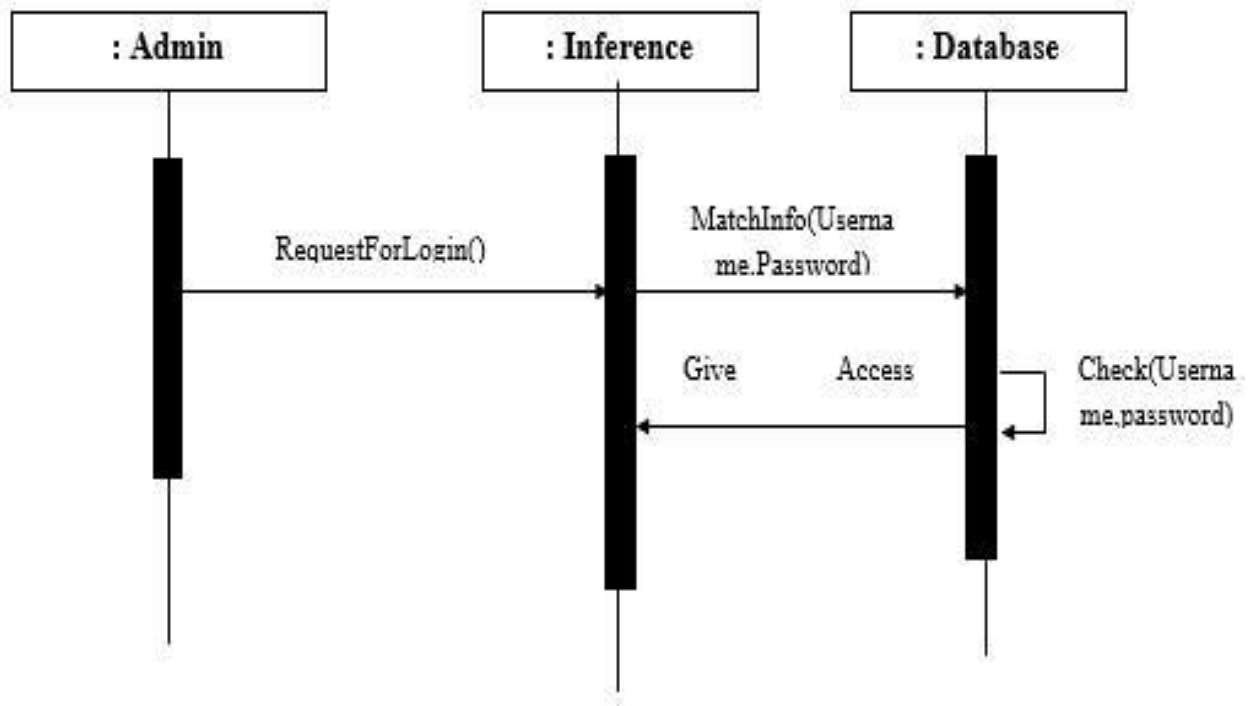


Figure-4.3.3: Admin Login Sequence

4.3.4 Order Food and Check Now Sequence

Members all data that will be inserted by audit person will save in member DB first. Then if any member wanted to see listed member, it will fetched the member's data from member DB.

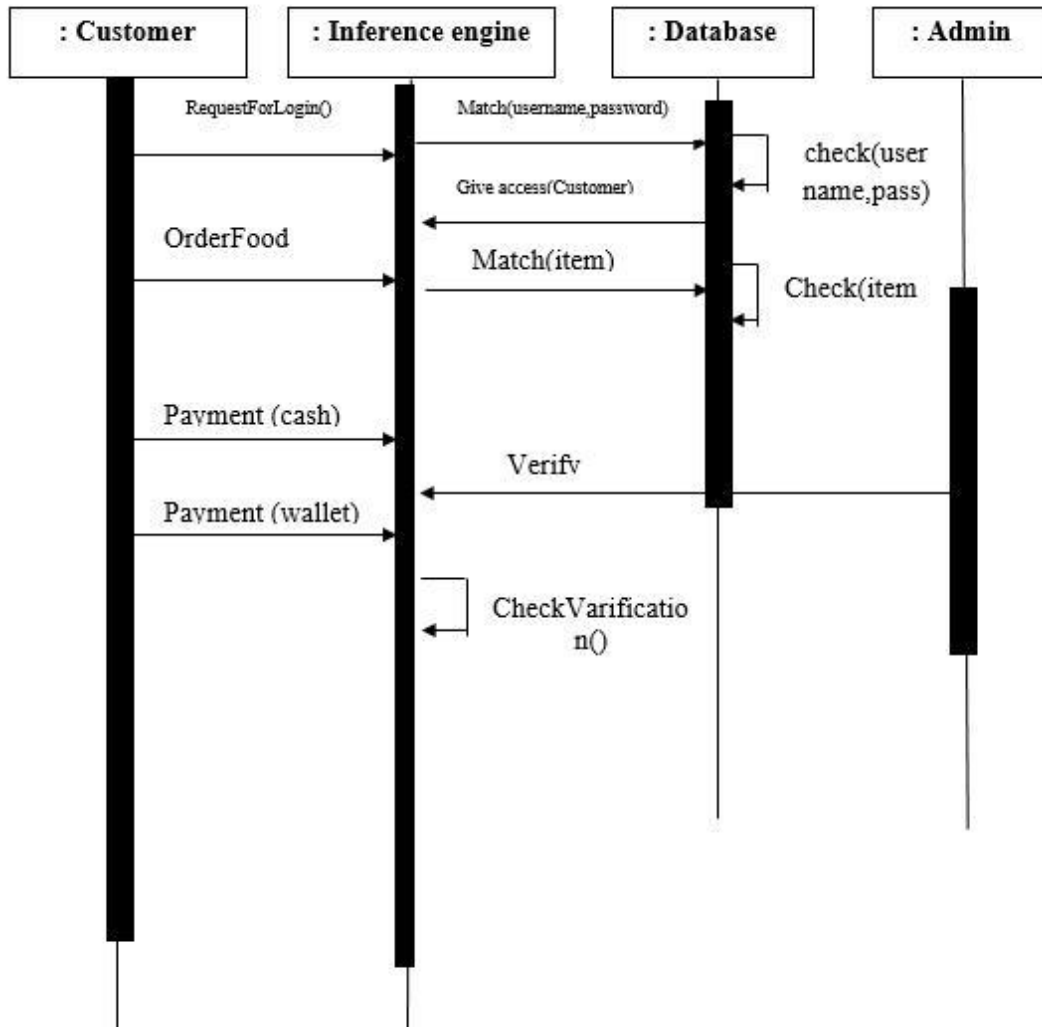


Figure-4.3.4: Order Food and Check Now Registration

4.3.5 Cash on Delivery Sequence

Customer cans Food order within one order which will store “Add to Cart” option. Must be cash on delivery.

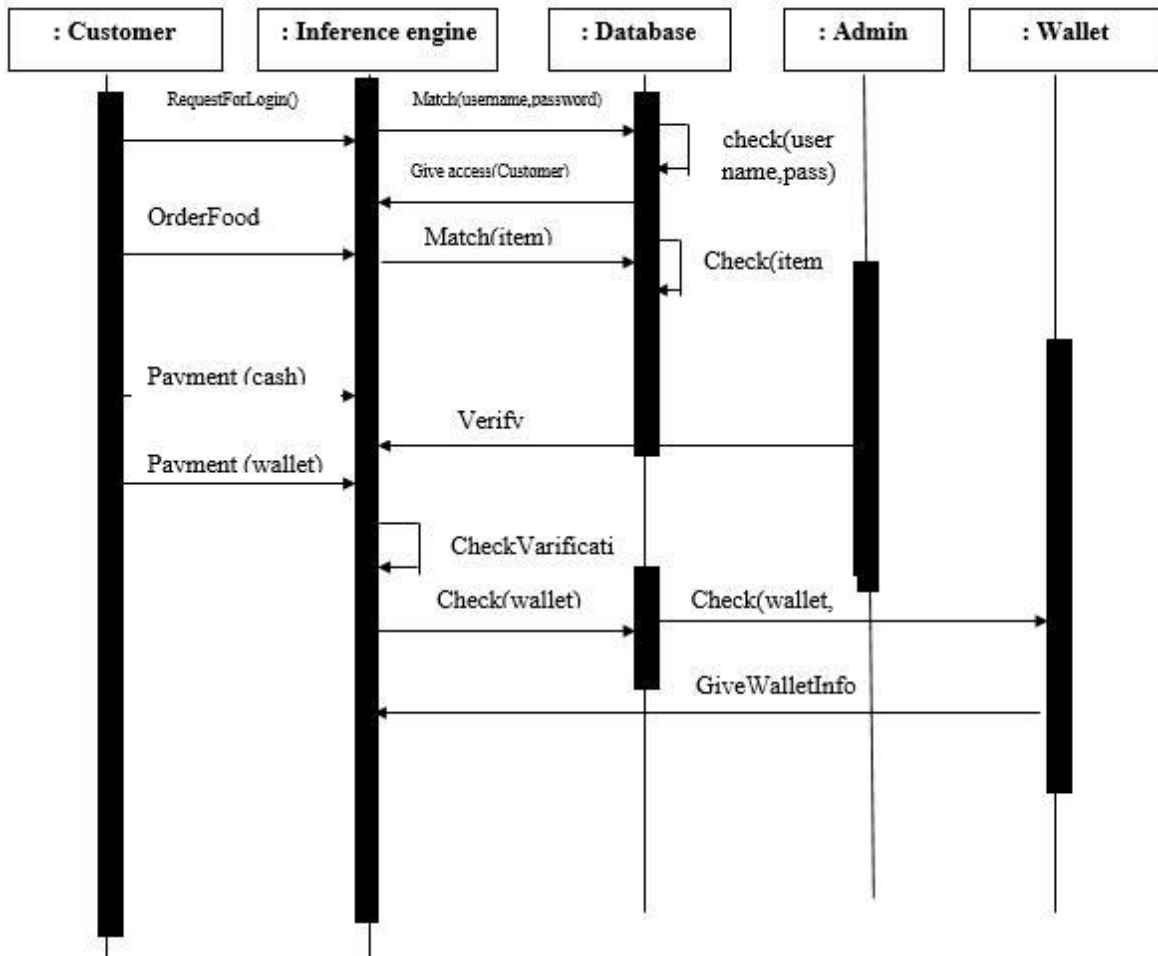


Figure-4.3.5: Cash on Delivery Sequence

4.3.6 Cancel Order Sequence Diagram:

User will able to cancel their won order. User will able to cancel their won order. Admin get notification also canceled the order. For cancel order user also have to logged in the system if he logged out then first need to log in again and then doing the activities.

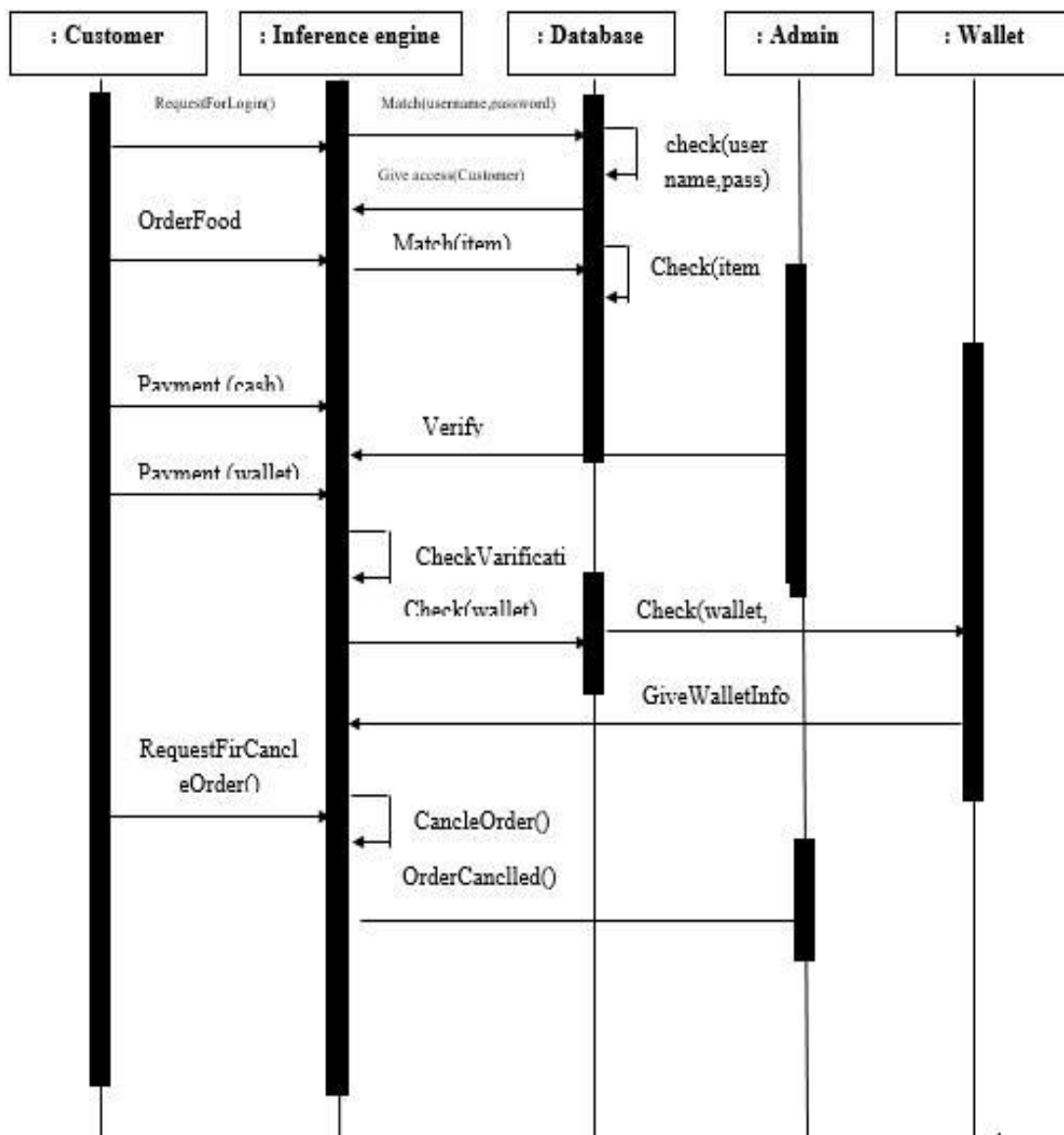


Figure-4.3.6: Cancel Order Sequence

4.3.7 Verify & Add Customer Sequence Diagram:

After registration admin checked and approved the user's request. When it's approved then user gets a wallet and profile.

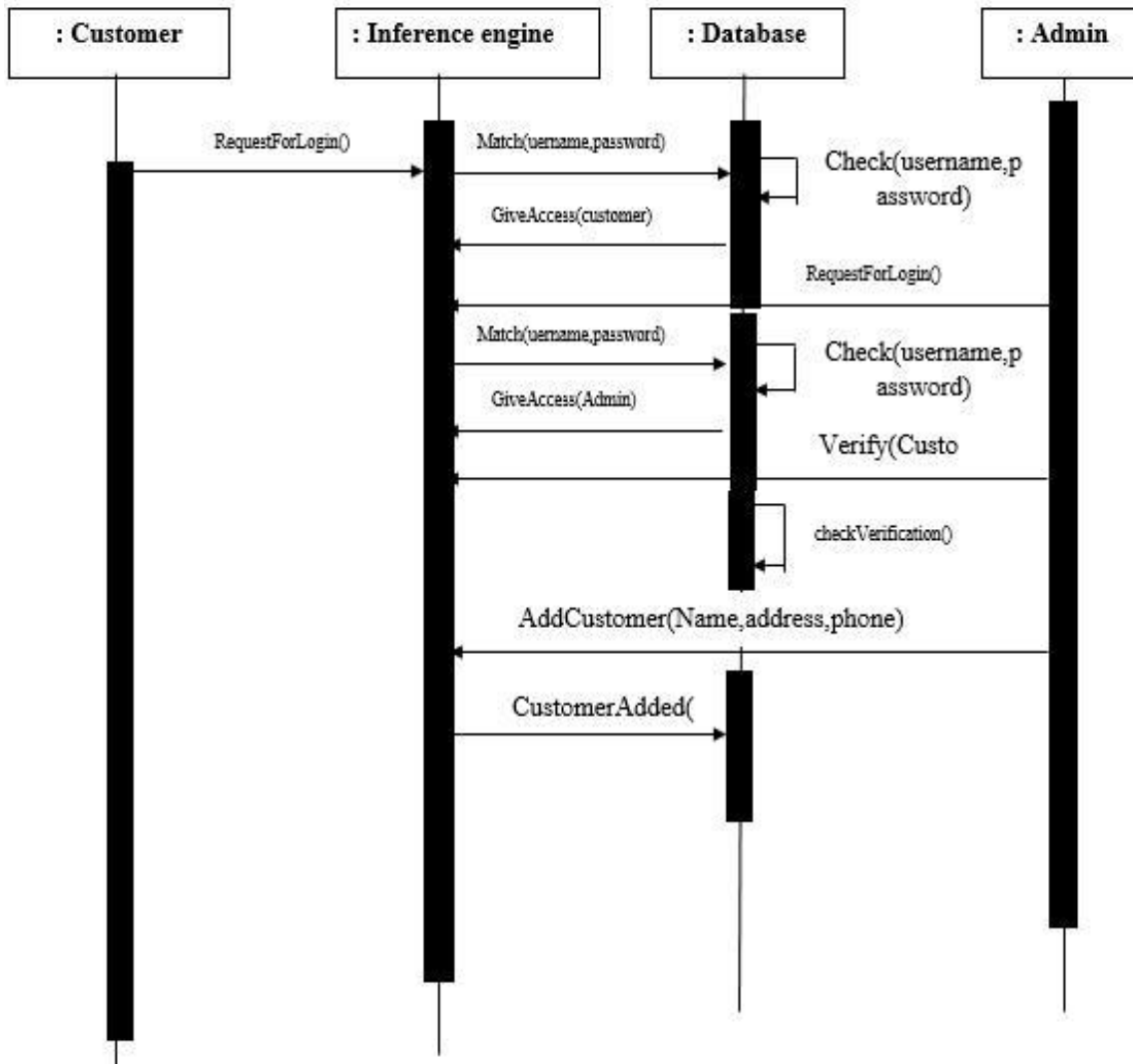


Figure-4.3.7: Verify & Add Customer Sequence

4.3.8 Add & Delete Food Item Sequence Diagram:

Customer can add multi food items within one order which will store “Add to Cart” option. They also can delete items from the storage named “Add to Cart” according to their choice.

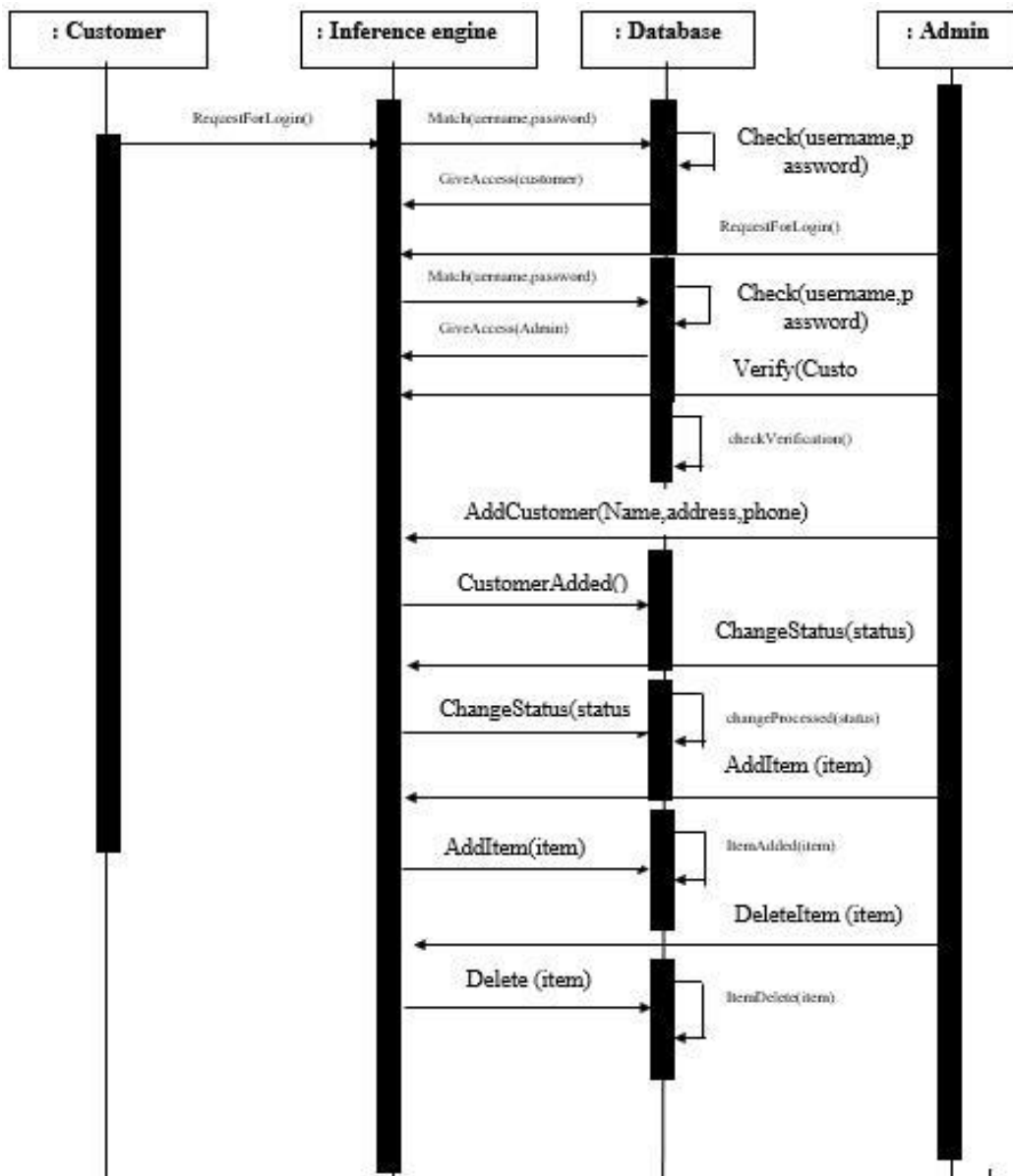


Figure-4.3.8: Add Delete Food Item Sequence

4.3.9 View Personal Order Sequence Diagram:

Customer can view personal food items within one order which will store “Add to Cart” option. They also can view items from the storage named “Add to Cart” according to their choice.

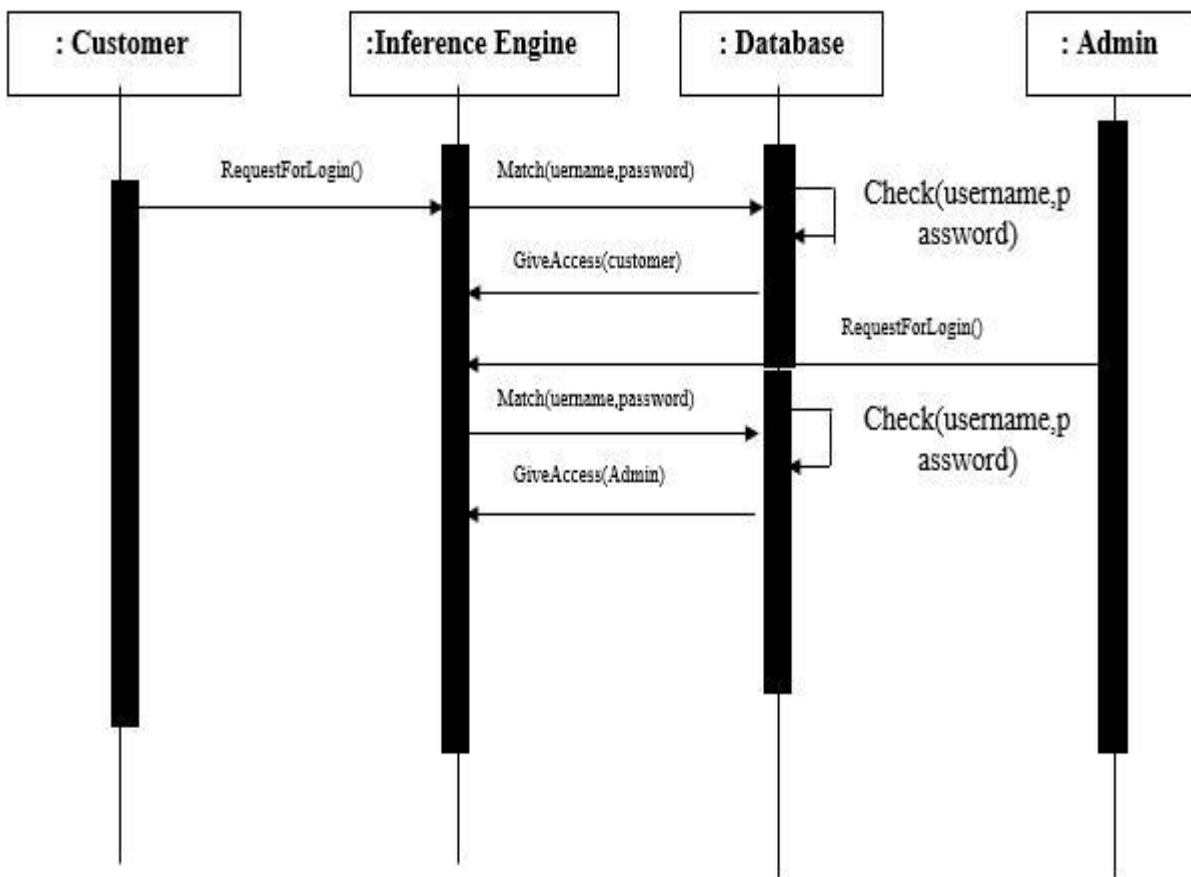


Figure-4.3.9: View Personal Order Sequence

4.3.10 View All Order (Admin) Sequence Diagram:

Fixed deposit receipt, stored amount in different bank, will be calculated with the total amount of income DB and expense DB.

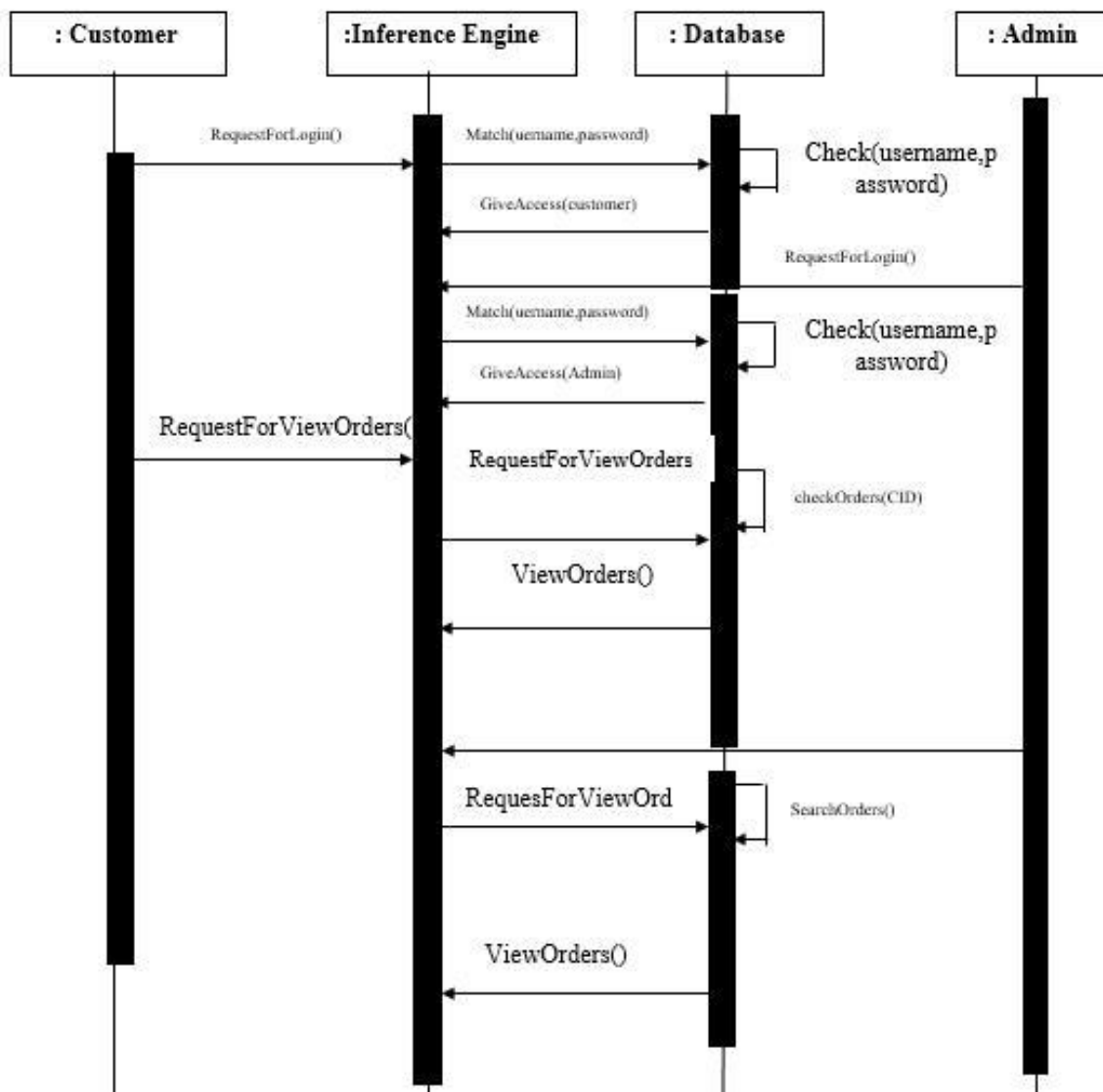


Figure-4.3.10: View All Order Sequence

Chapter -5 Design and Development

5.1 Development tools and technology

Without using tools, development of software is impossible. There are many tools that I have used to develop this software.

5.1.1 User interface technology

User interface (UI) is everything designed into a system view that which person's associates with this system may like the interface of this system.

5.1.2 JQuery UI

JQuery is a JavaScript library. JQuery greatly simplifies JavaScript programming. JQuery UI is a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library.

Whether you're building highly interactive web applications or you just need to add a date picker to a form control, jQuery UI is the perfect choice. JQuery UI is built for designers and developers alike. We've designed all of our plugins to get you up and running quickly while being flexible enough to evolve with your needs and solve a plethora of use cases.

5.1.3 CSS framework or Bootstrap

CSS is a language that describes the style of an HTML document. CSS describes how HTML elements should be displayed. Build responsive, mobile-first projects on the web with the world's most popular front-end component library. Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

After adding some classes to existing elements in the HTML-code and altering some CSS code such as removing some values for width given in pixels the site was changing depending on the width of the window. The bootstrap code is included minified, which means that white spaces are removed to make the file size smaller and therefore make the load time faster for the file which improves the load time for the whole page.

The main design that bootstraps adds without specifically adding design to elements is that when hovering over a link. This is fixed with some simple CSS-code added to the CSS-file, unless the bootstrap CSS-file is included after the original, then bootstrap will override the custom ones and the changes will not be seen. Having some basic knowledge about how Bootstrap works before starting to use it would increase the efficiency and speed one might achieve the goal one has in mind for including bootstrap into the project.

5.1.4 Programming Language

For developing this system I have use PHP as a programming language. PHP (recursive acronym for *PHP: Hypertext Preprocessor*) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML. PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages.

5.2.1 Implemented tools and platform

The order of execution may vary depending upon the person developing the plan. Some people do better with looking at lots of tools and asking themselves “How can I use these tools to accomplish my goals and which ones do I use?” While others may look at tactics that have been tried and proven successful and determine which tactics best apply to them and their goals. And, many start with developing a sound strategy, then determine which tactics and tools best suits their needs to accomplish their goal

5.2.2 Database server

MySQL is an open-source relational database management system (RDBMS). I have used MySQL database to store data of my projects data. Because this database server provides huge storage and this server is very easy to use.

5.3 DFD 0 level Diagram

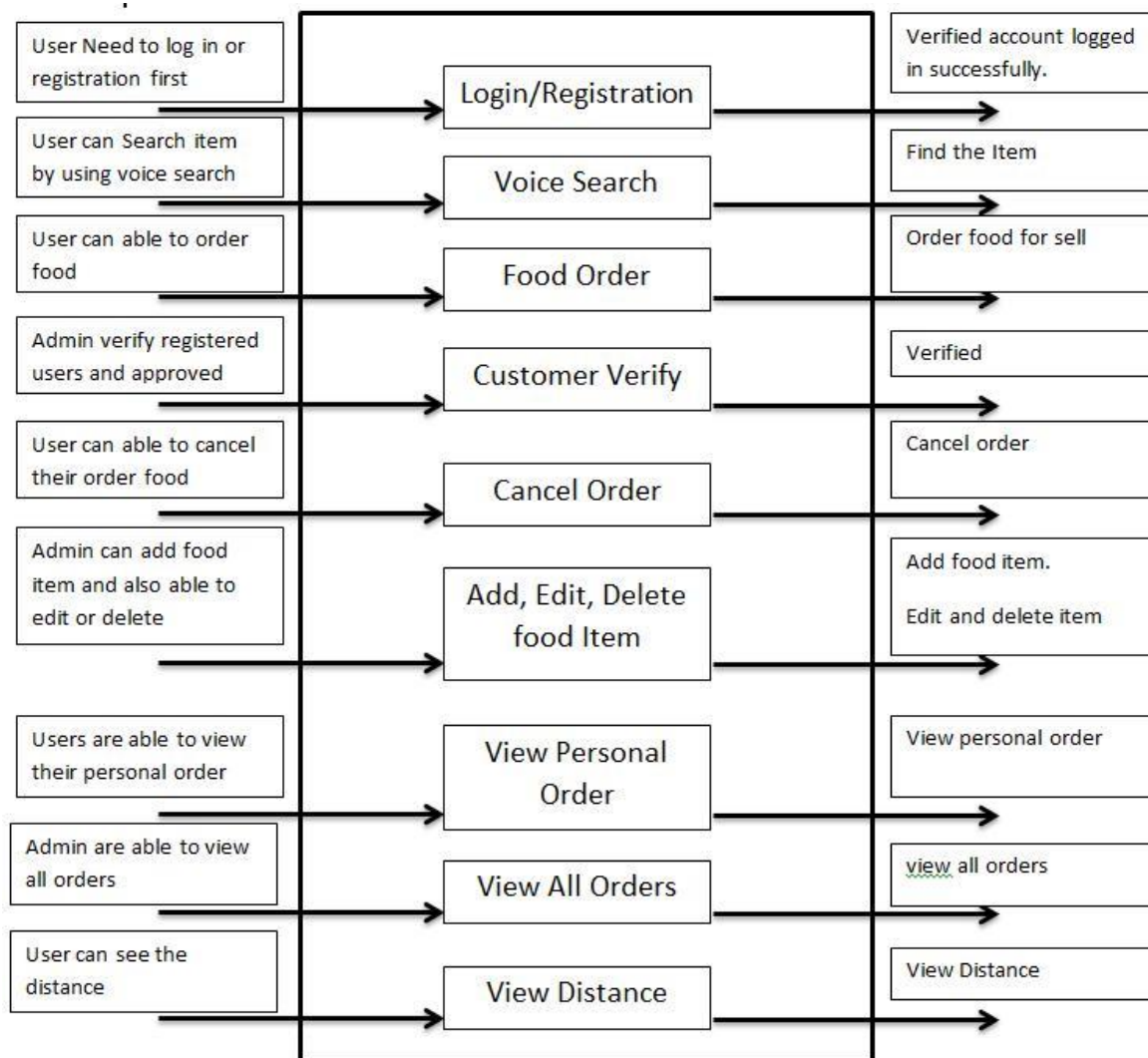


Figure-5.3: DFD 0 Level Diagram

5.4 DFD 1 Level Diagram

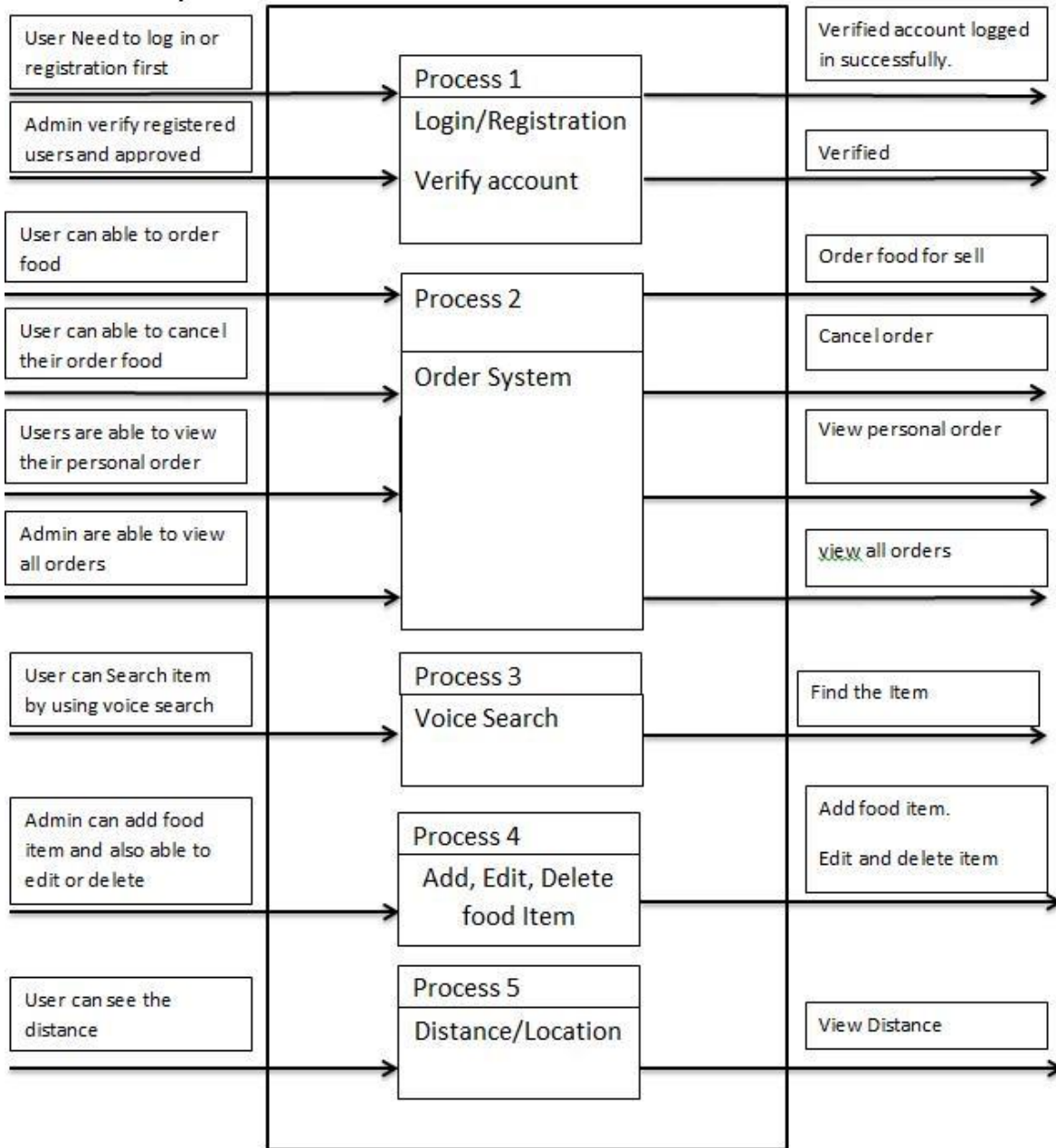


Figure-5.4: DFD 1 Level Diagram

5.5 Class Diagram

Following Class diagrams are precisely depicting the flow of the different state of the project. These diagrams are used in software modeling as well as business modeling. Most commonly activity diagrams are used to; Model the workflow in a graphical way, which is easily understandable

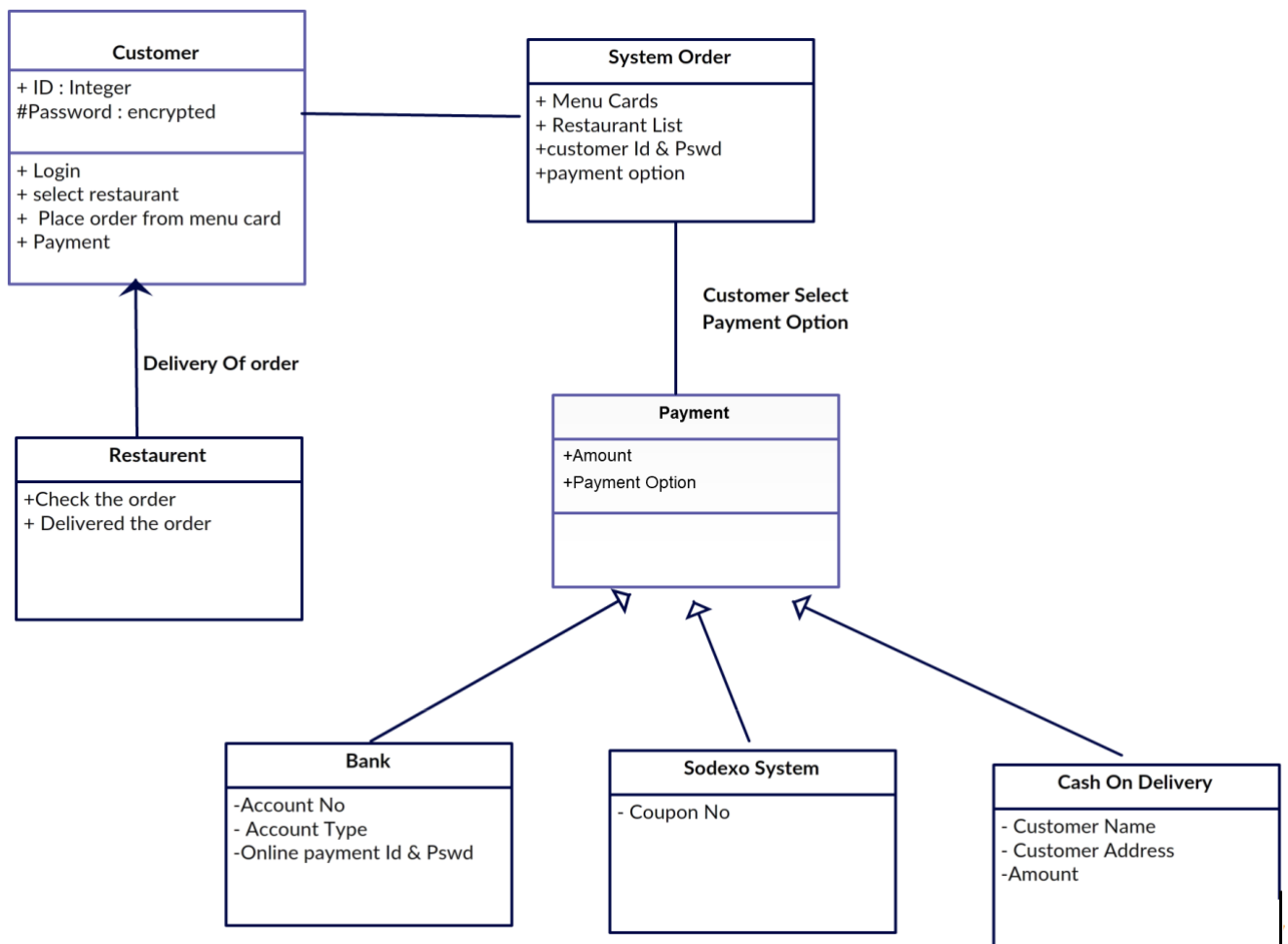


Figure-5.5: Class-Diagram

5.6 Database Diagram

Following Database diagrams are precisely depicting the flow of the different state of the project. These diagrams are used in software modeling as well as business modeling. Most commonly activity diagrams are used to; Model the workflow in a graphical way, which is easily understandable

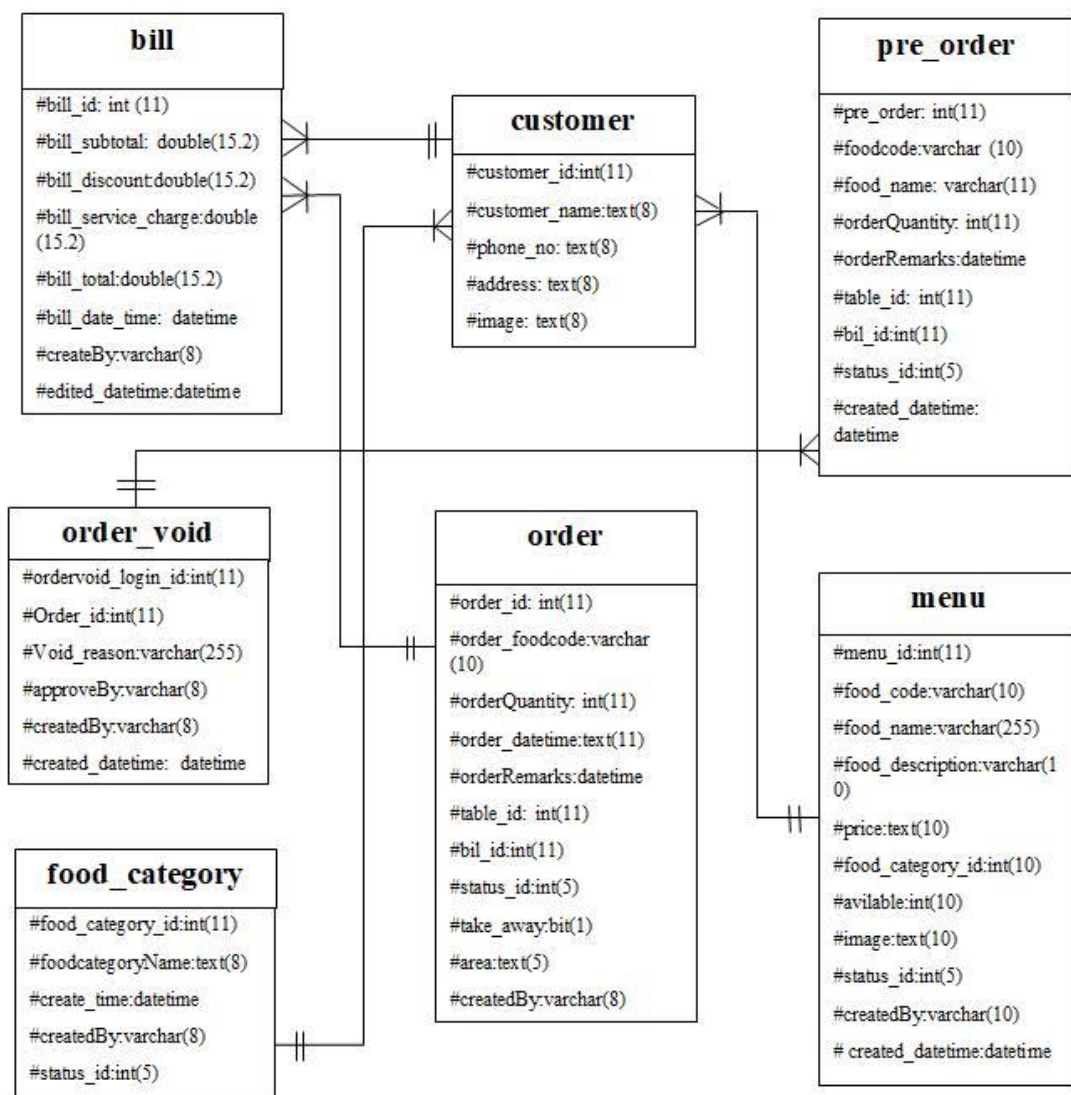


Figure-5.6: Database Diagram

Chapter- 6 Test Plan

6.1 Testing Features

Feature testing is the process of making changes in software system to add one or more new features or to make modifications in the already existing features. Each of these feature is said to have a characteristic that is designed to be useful, intuitive, and effective.

6.1.1 Features to Be Tested

Features	Priority	Description
Log in	1	Login as authenticated user.
Logout	1	Logout from the system.
Inserting food data	2	When admin can inserting data.
Order food data	2	When customer can order food data
Summary of online food system	3	All the food order system data will show sequentially.
Registration	1	To be a member of customer should registered herself first.
customer Profile	1	After registration customers see profile.
Check equal of total amount in customer	3	Customer all order showing
Technological Features		

Here, 1=Low Priority; 2=Medium Priority; 3=High Priority

6.1.2 Testing Strategy

A testing strategy is a general approach to the testing process rather than a method of devising particular system or component tests. Different testing strategies may be adopted depending on the type of system to be tested and the development process used.

6.1.3 Test approach

A test approach is the test strategy implementation of a project, defines how testing would be carried out. Test approach has two techniques:

Proactive - An approach in which the test design process is initiated as early as possible in order to find and fix the defects before the build is created. **Reactive** - An approach in which the testing is not started until after design and coding are completed.

6.2.1 Black Box Testing

Black box testing also called functional testing that ignores the internal mechanism of a system or component and focuses on the outputs generated in response to selected inputs and execution conditions. We have decided to perform equivalence partitioning and Boundary value analysis for this system

6.2.2 Boundary Value Analysis

The acceptable range of values for this application was set by the development team. At the time of testing developer will define the boundary value & generate test case for performing the boundary value analysis

6.2 Testing Schedule

Test Phase	Time
Test Plan Creation	1 week
Test specification creation	2 week
Unit Testing	Developing time
Component testing	1 week
Test Phase	Time
Integration Testing	1 week
Use case validation	1 week
User interface testing	1 week
Load testing	1 week
Performance Testing	1 week
Release to Production	1 week

6.3 Testing Environment

Testing environment is a setup of software and hardware for the testing teams to execute test cases. In other words, it supports test execution with hardware, software and network configured.

For test environment, key area to set up includes

- System and applications
- Test data
- Database server
- Front end running environment
- Client operating system
- Browser
- Hardware includes Server Operating system
- Network
- Documentation required like reference documents/configuration guides/installation guides/ user manuals

6.4 Test Cases

It is impossible to build a system without any fault. Sometimes, this fault makes software implementation failure. If we test the system before executing the system it will help us to find the fault of the system. For testing the system, we need to write some test cases.

6.5.1 Log In

Test case #1		Test case name: Log In			
System: Admin		Subsystem: Admin ID.			
Designed By: Rejuanul Haque		Designed Date: 03.12.19			
Executed by:		Executed date			
Short Description: The user is registered and trying to log in to the Admin website when the system will check validity.					
Pre-conditions:					
<ol style="list-style-type: none"> 1. When any users try to go home page or any page, they will be asked to login first. 2. Assume that Username is „admin“ and password „password“ 					
Step	User name	Password	Expected Response	Pass/ Fail	Comment
1	razu	111111	Wrong username and password		
2		admin	Username can't be blank		
3	admin	admin	Invalid password		
4	Password	admin	Invalid username		
5	admin		Password can't be blank		
6			Username and password can't be blank		
7	razu@gmail.com	password	Invalid username		

8	razu@gmail.com	password	Invalid username.		
9	Sldjf	Invalid username & password		
10	Admin	Password	Successfully logged in and redirect to home page		
11	Razu	-- razu@fasdff	Invalid username and password		
Post conditions: Admin and Customer members will successfully log In in the system					

6.5.2 File Size

Test case #2		Test case name: File size		
System: Admin		Subsystem: N/A.		
Designed By: Rejuanul Haque		Designed Date: 03.12.2019		
Executed by:		Executed date		
Short Description: Customer fill all the input field and now trying to input a file.				
Pre-conditions:				
<ol style="list-style-type: none"> 1. Admin should log in first with his username and password. 2. File size should have to less than 2MB. 				
Step	Action	Expected Result	Pass/ Fail	Comment
1	Inputting a video	File is too large.		
2	Inputting 2.5 Mb file	File is too large.		
3	Inputting 2 Mb file	Allow to save		
4	Inputting no file	Allow to save		
Post-conditions: File is inserted into the database successfully.				

6.5.3 Required Input Field in All Pages

Test case #3		Test case name: Required input field in all pages.		
System: Admin		Subsystem: N/A.		
Designed By: Rejuanul Haque		Designed Date: 03.12.2019		
Executed by:		Executed date		
Short Description: Admin fill all the input field and now trying to input a file.				
Pre-conditions:				
<ol style="list-style-type: none"> 1. Admin should log in first with his username and password. 2. Every input field should have to be filled except input file. 				
Step	Action	Expected Result	Pass/ Fail	Comment
1	All the input field is filled but income title filed is empty	Please fill out income title field		
2	All the input field is filled.	System will allow to save.		

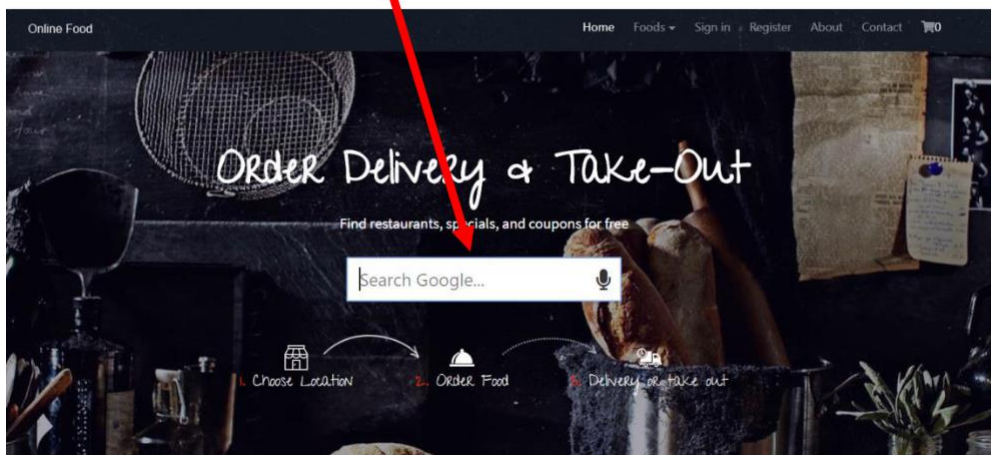
6.5.4 Checking Editable and Not Editable

Test case #4		Test case name: Checking Editable and not editable.		
System: Admin		Subsystem: Post details.		
Designed By: Rejuanul Haque		Designed Date: 03.12.2019		
Executed by:		Executed date		
Short Description: Admin all product post and update .				
Pre-conditions:				
<ol style="list-style-type: none"> 1. Admin should log in first with his username and password. 2. Editable data should have to be Food inserted data. 				
Step	Action	Expected Result	Pass/ Fail	Comment
1	Category Post	Not editable	Pass	
2	Product Post	Editable	Fail	
3	Product edit	Editable	Pass	
4	Admin Post	Not editable	pass	
Post-conditions: All inserted data will be edited.				

Chapter-7 User Manual

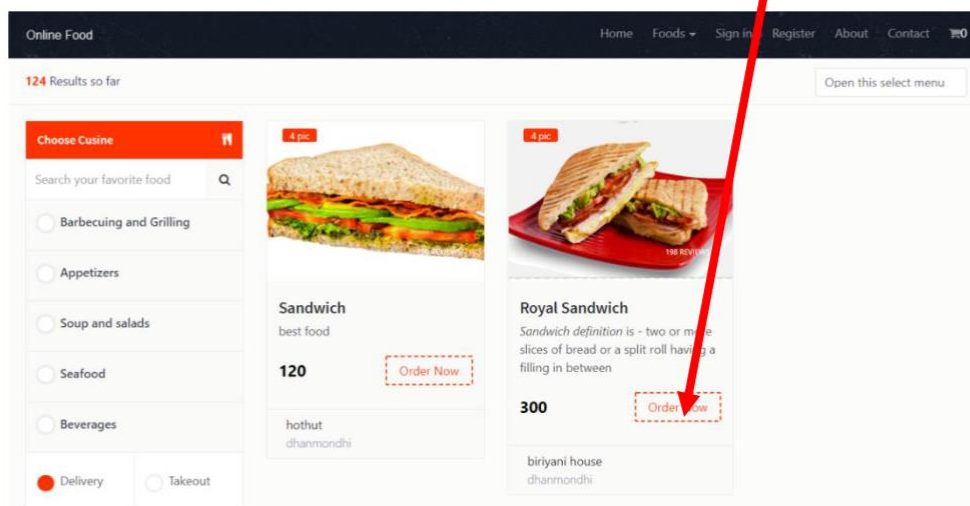
7.1 Search Food

The system has option to search food with voice search. A Google API used in the system that's why people easily search their food.



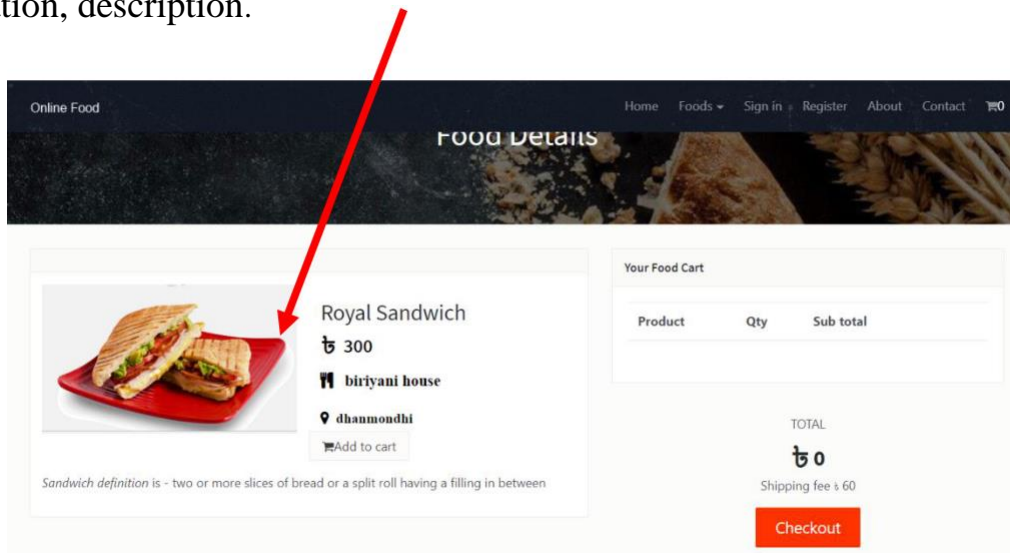
7.2 Search Food List

The system has option to search food List with voice search. A Google API used in the system that's why people easily search their food for food order page click here.



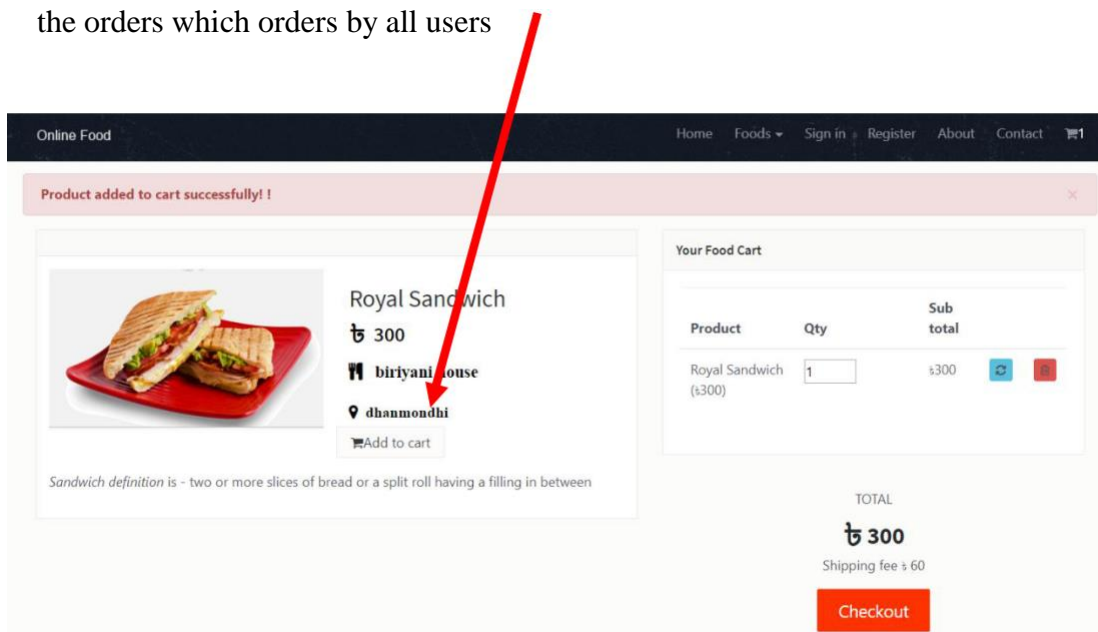
7.3 Search Details

The system has option food order page details. For showing food name, price, restaurant, location, description.



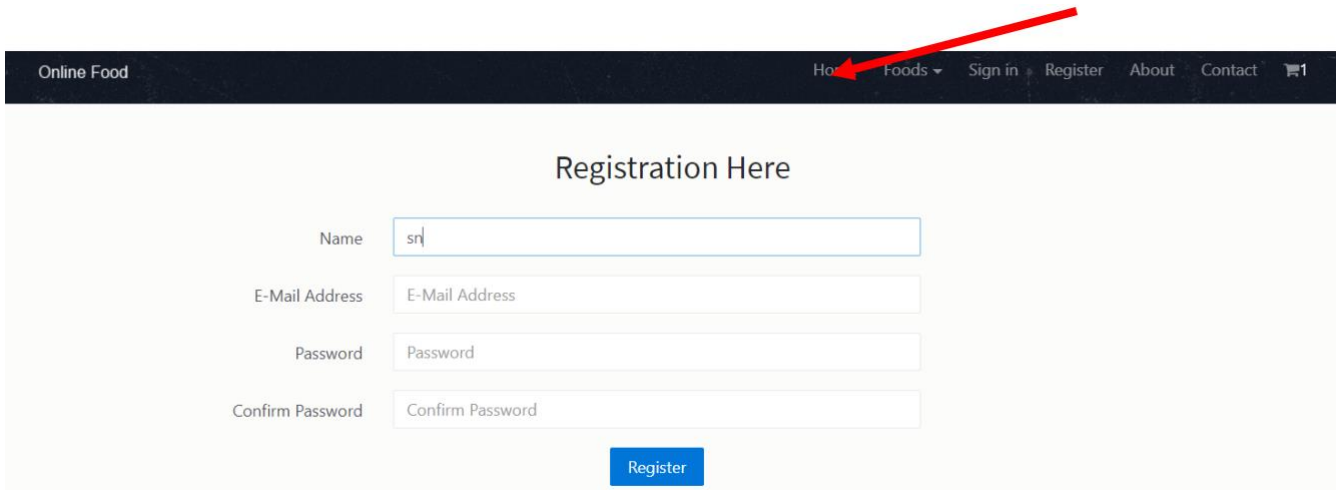
7.4 Add to Cart

User will able to add to cart all of their order they have done. Admin will able to view all of the orders which orders by all users



7.5 Registration

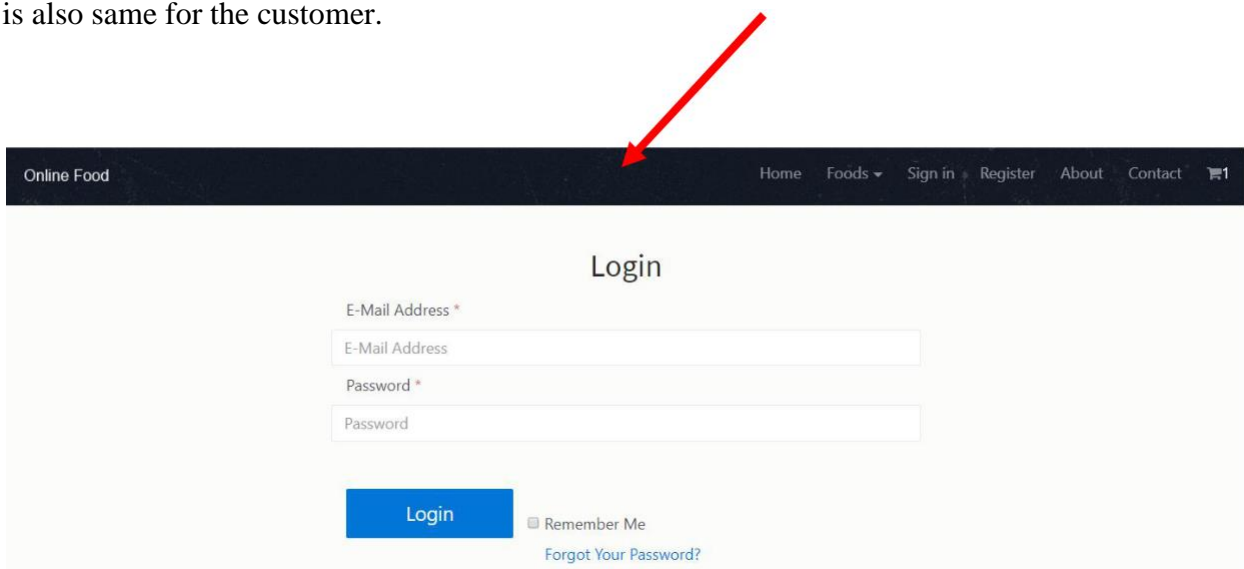
User need to registration first in this site. After registration admin can checked and approved their Registration. Then user will able to order food.



The screenshot shows the 'Registration Here' form on the 'Online Food' website. The navigation bar at the top includes 'Home', 'Foods', 'Sign in', 'Register', 'About', and 'Contact'. A red arrow points to the 'Register' link. The form contains four input fields: 'Name' (with 'sn' entered), 'E-Mail Address', 'Password', and 'Confirm Password'. A blue 'Register' button is located below the fields.

7.6 Login

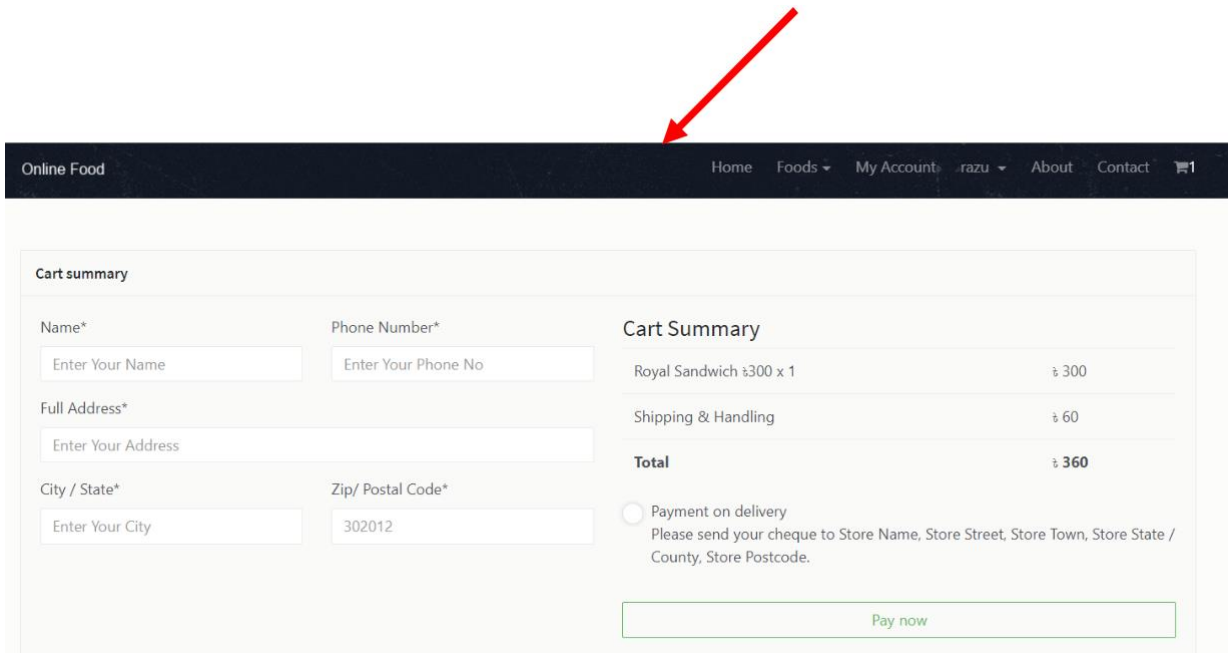
To enter on Admin, user needs to authentic herself/himself first. If the Customer, then he should specify himself as audit person with his valid username and password. Things is also same for the customer.



The screenshot shows the 'Login' form on the 'Online Food' website. The navigation bar at the top includes 'Home', 'Foods', 'Sign in', 'Register', 'About', and 'Contact'. A red arrow points to the 'Sign in' link. The form contains two input fields: 'E-Mail Address *' and 'Password *'. Below the fields is a blue 'Login' button, a 'Remember Me' checkbox, and a 'Forgot Your Password?' link.

7.7 Check and Confirmation

When User orders foods from the system they have option to pay amount cash on delivery.



Online Food Home Foods My Account razu About Contact 1

Cart summary

Name* Phone Number* **Cart Summary**

Enter Your Name Enter Your Phone No Royal Sandwich ₹300 x 1 ₹ 300

Full Address* Shipping & Handling ₹ 60

Enter Your Address

City / State* Zip/ Postal Code* **Total** ₹ 360

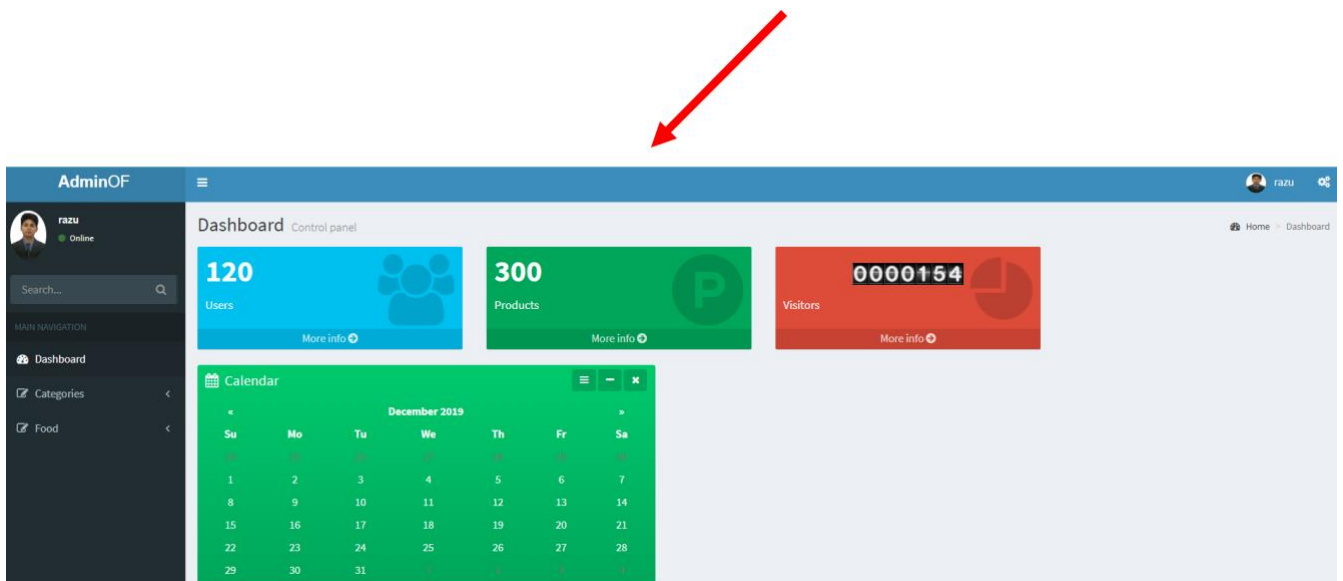
Enter Your City 302012

Payment on delivery
Please send your cheque to Store Name, Store Street, Store Town, Store State / County, Store Postcode.

Pay now

7.8 Admin Dashboard

Admin Dashboard all requirement showing , example for menu item add category , show category and add food show food .



AdminOF razu Online

Dashboard Control panel Home Dashboard

120 Users More info

300 Products More info

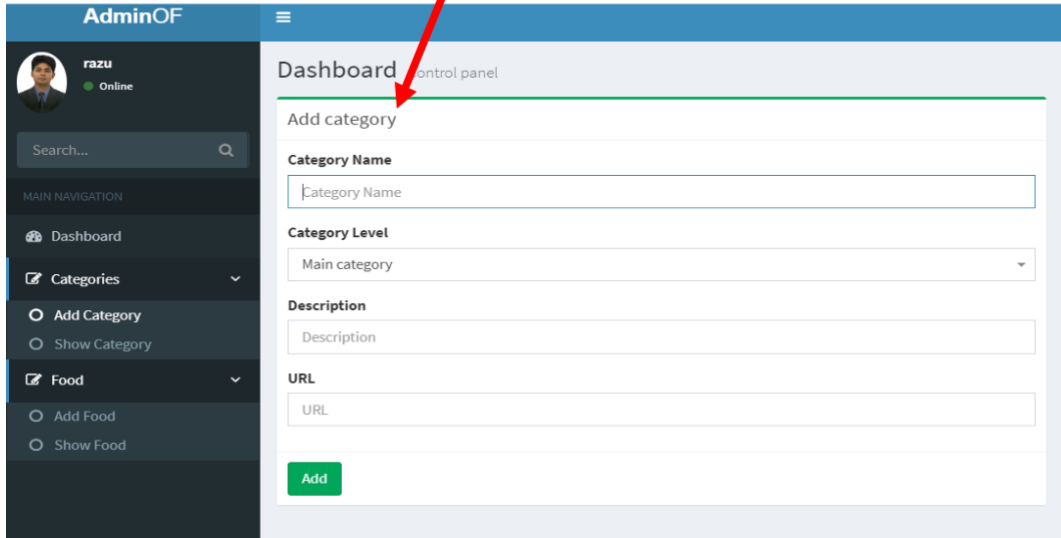
0000154 Visitors More info

Calendar December 2019

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

7.9 Add Category

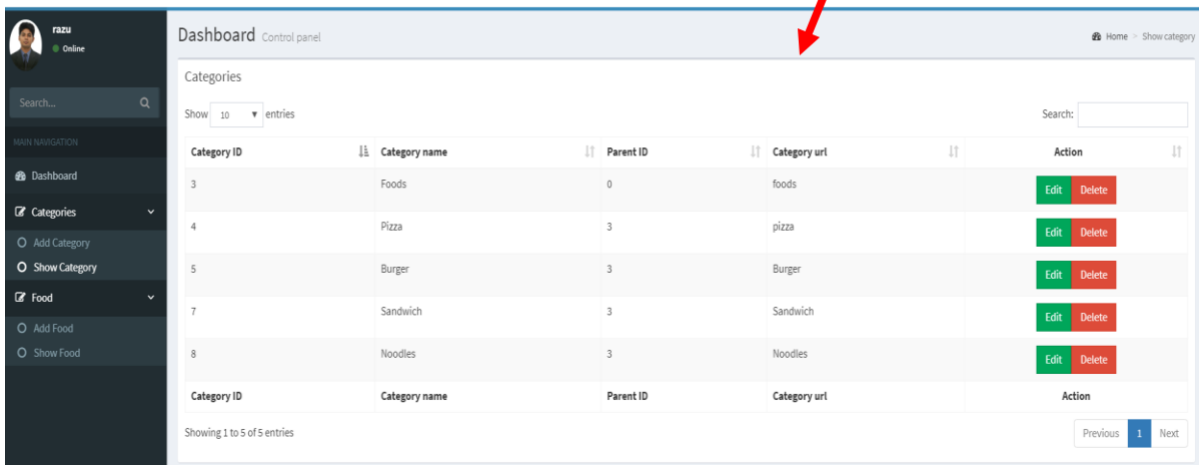
Admin can create add category



The screenshot shows the AdminOF dashboard with a sidebar on the left and a main content area. The sidebar includes a user profile for 'razu' (Online), a search bar, and a navigation menu with options like 'Dashboard', 'Categories', 'Add Category', 'Show Category', 'Food', 'Add Food', and 'Show Food'. The main content area is titled 'Dashboard Control panel' and features a form for adding a new category. The form has the following fields: 'Category Name' (text input), 'Category Level' (dropdown menu set to 'Main category'), 'Description' (text area), and 'URL' (text input). A green 'Add' button is located at the bottom of the form. A red arrow points to the 'Add category' heading at the top of the form.

7.10 Show Category

Admin will be able to show all categories of their order they have done.



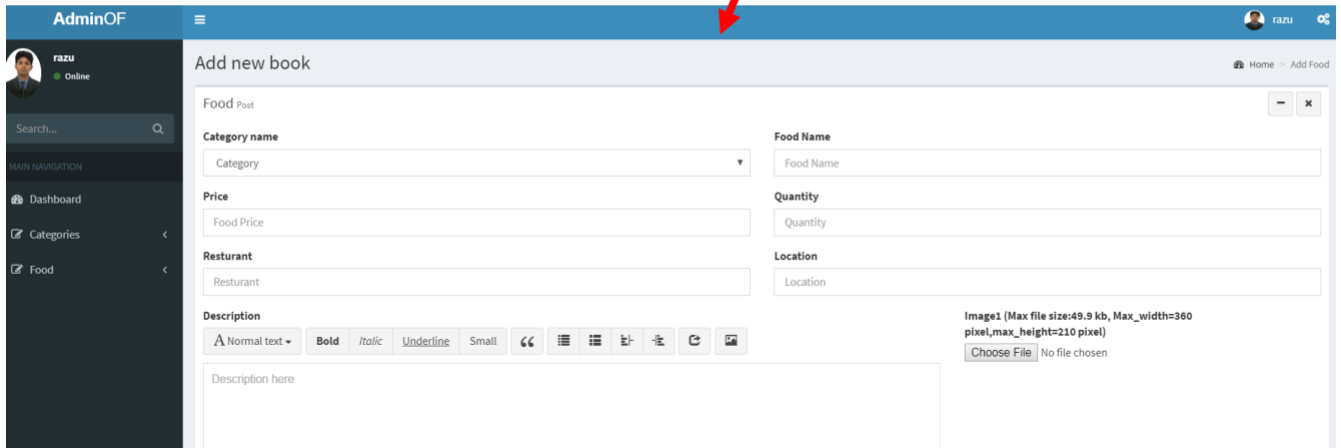
The screenshot shows the AdminOF dashboard with the 'Show Category' page. The sidebar is the same as in the previous screenshot. The main content area is titled 'Dashboard Control panel' and features a table of categories. A red arrow points to the 'Show category' link in the top right corner of the dashboard header. The table has the following columns: 'Category ID', 'Category name', 'Parent ID', 'Category url', and 'Action'. The table contains 5 entries:

Category ID	Category name	Parent ID	Category url	Action
3	Foods	0	foods	Edit Delete
4	Pizza	3	pizza	Edit Delete
5	Burger	3	Burger	Edit Delete
7	Sandwich	3	Sandwich	Edit Delete
8	Noodles	3	Noodles	Edit Delete

At the bottom of the table, there is a footer that says 'Showing 1 to 5 of 5 entries' and a pagination control with 'Previous', '1', and 'Next' buttons.

7.11 Add Food

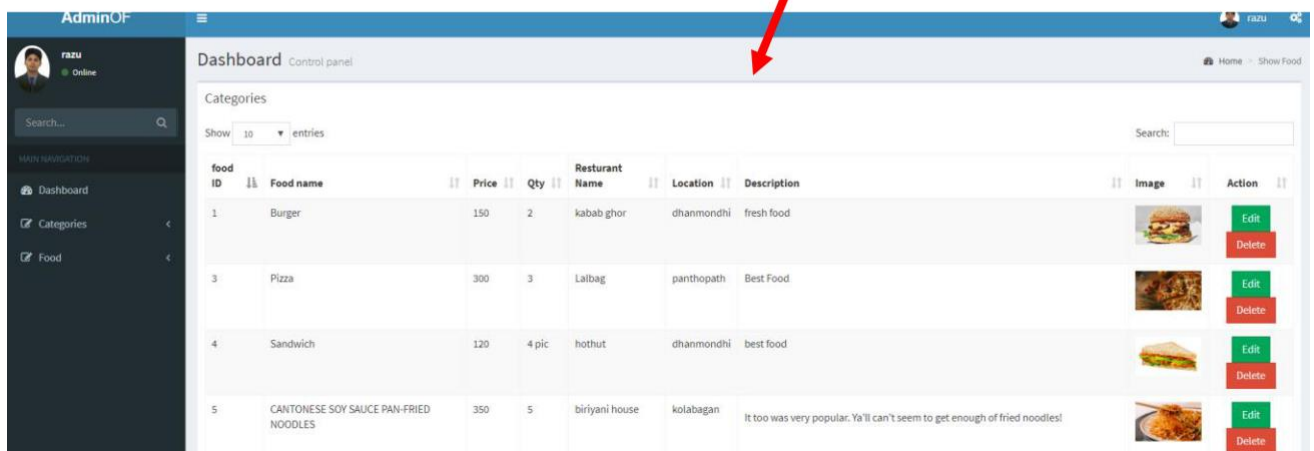
Admin can add category wise food inserted.







The screenshot shows the 'Add new book' form in the AdminOF interface. The form is titled 'Food Post' and includes several input fields: 'Category name' (a dropdown menu), 'Food Name', 'Price' (Food Price), 'Quantity', 'Resturant' (Resturant), and 'Location'. Below these fields is a rich text editor for the 'Description' with a toolbar containing options like Bold, Italic, Underline, and Small. To the right of the description field is an image upload section with the text 'Image1 (Max file size:49.9 kb, Max_width=360 pixel,max_height=210 pixel)' and a 'Choose File' button. The interface also features a sidebar with navigation options like Dashboard, Categories, and Food, and a top navigation bar with the user's name 'razu' and a settings icon. A red arrow points to the top navigation bar.

7.12 Show Food

Admin will able to show all food of their order they have done.



The screenshot shows the 'Dashboard' view in the AdminOF interface. The dashboard is titled 'Dashboard Control panel' and displays a table of food items under the heading 'Categories'. The table has columns for 'food ID', 'Food name', 'Price', 'Qty', 'Resturant Name', 'Location', 'Description', 'Image', and 'Action'. The table contains five rows of food items. A red arrow points to the top navigation bar.

food ID	Food name	Price	Qty	Resturant Name	Location	Description	Image	Action
1	Burger	150	2	kabab ghor	dhanmondhi	fresh food		Edit Delete
3	Pizza	300	3	Lalbag	panthopath	Best Food		Edit Delete
4	Sandwich	120	4 pic	hothut	dhanmondhi	best food		Edit Delete
5	CANTONESE SOY SAUCE PAN-FRIED NOODLES	350	5	biriyani house	kolabagan	It too was very popular. Ya'll can't seem to get enough of fried noodles!		Edit Delete

Chapter 8 Conclusion

8.1 Project Summary

This project has been started from October. From that beginning time I have to work hard to know the clients requirement clearly. After that I proposed a design to them by help of my supervisor. They appreciated and said to start developing the project. Then I started to develop the project.

From then I gradually develop the project. To build an accounting software is typically hard. I think storing the data in database neatly is very important. That's why I did this first and made a relationship with the tables. After that I design the UI. This project's UI is very simple and clean which is very help for the user's experience. Then I started coding and executing the project.

If I did not test this project there will stay some bug on this project which will ruin the full project. That why give importance to test this project and then I solved some bug which I got after testing this project.

8.2 Limitations

It is very hard to develop something without any limitations. This project has some limitations. Limitation is as follows:-

- I. Not fully responsive
- II. Not highly secure
- III. User's password are not encrypted
- IV. Member's login and audit person's login did not separated at all.

8.3 Obstacles and Achievements

To walk in the good way one"s have to face many obstacles. By facing obstacles one will get some achievements. To store the data with financial year wise and to get the data in a correct format was an obstacle for me. Although I have done it by taking help from my supervisor, friends and by searching the solution from google. Some obstacles and achievement are as follow:

Scope Change: Sometimes I was asked to add some features. Then I had to redesign the system. It made me sometimes hopeless.

Resource Deprivation: In some cases I did not get proper resource to handle that situation.

Lack of Stakeholder's Engagement: This project"s stakeholders are Bangladesh police. Police are very busy with their work. Sometimes I need to talk with for some issue but I did not get them in proper time.

8.4 Future Scope

By working with this project, I have learnt many things and meet with some great person. This project will give me some opportunity to work with this type of similar project.

8.5 References

To complete audit application, I have taken help from many places. Some references are given bellow:-

- www.google.com
- www.wikipedia.com
- <https://github.com/>
- <https://getbootstrap.com>
- www.w3schools.com
- www.php.net
- www.jquery.com
- www.bpwn.org.bd
- www.youtube.com
- www.foodpanda.com
- www.foodpiky.com
- <https://wellfoodbd.com/>
- <https://www.myfoodandfamily.com/>
- <https://bfplny.com/food/>