ONLINE VEGETABLE APPLICATION

Abstract

The concept of Online vegetable market, since it is mobile application, I will keep everything as simple as possible. The project consists in an android application that can be used by customer to place the desired timing.

The web-portal is being managed by the owner to check the order and make the availability for the customer. This system wake to provide service facility and also to the customer.

The vegetables that are provided by the customer through the system, customer information management menu information management and report.

Main objective is to provide ordering and reservation vegetable to customer

INTRODUCTION

BACKGROUND

India is the second largest producer of vegetables in the world after China. It accounts for about 15 per cent of the world's production of vegetables. Hardly 2 per cent of perishable horticultural produce is processed to value added products. Hence, there is huge scope for processing of vegetables. This wastage can be easily prevented by adopting various methods of preservations. At the same time, there is market glut during harvesting season and farmers are forced to sell their produce at throw away prices. Therefore, food processing industries can help farmers to get sure income for their produce and also avoid market glut.

OBJECTIVES

The purpose of the project is to create a system of mobile application to access by the customer to book the vegetable of a particular store with specific details. So that there will be no wastage of time.

Specific objective: -

1. To help speed up the process of store.
2. To automated the manual reservation of the shop.
3. To standardized the reservation system with the list of guests.
4. To reduce the amount of time and effort consume by the customer to reserve.
5. Provide user account and password to ensure the security of stored files.
6. To avoid manual and repeating work.

PURPOSE AND SCOPE

Purpose: -

I propose to build a software project that can efficiently handle and manage various activities of a vegetable shop and all these activities will be happening under the supervision of the administrator. At the same time, the need for managing its operations and tasks arises.

Today's generation encourages high-tech services especially over the Internet. Hence the project is developed proficiently to help store owners automate their business operations.

In some store it's a given that customer will wait for half an hour after ordering to actually get the vegetable. This system aims to redefine this structure by bringing everything to customer.

It is convenient self-service table booking System that can be embedded on any website. With the online vegetable market, you can create a customized booking process, let people order vegetable through website, manage availability and reservations.

Scope: -

This document describes the requirements of the digital menu cards and its advantage over the formal environment. Four related system interface encompassed by the general scope of the menu and ordering system.

The first system interface related to the problem of the waiting time outside the store, which can be solved with the help of the application, this shows the live status of the vegetable shop.

The second interface is related to the replacement of the current menu with the digital menu cards.

The third interface is the system interface is related to the digital system for the shop manager to upload the information dynamically.

The fourth interface is for the transferring of customer order automatically to the store, which is displayed on the screen.

The scope of proposed system defines the features of the system. In future produce mobile app to adding the features of following: -

1) Provide dynamic menu
2) Live status of store.
3) Order the vegetable from tablet or mobile.
4) Payment through application.

APPLICABILITY: -

The project will be online and will be available to all its users with all the needs taken care of the customer is not in contact with internet and with social media then we have also arrange advertisement with the help of brochure which will contain our contact numbers, E-mail address etc.

ORGANISATION OF REPORT

India is the second largest producer of vegetables in the world after China. It accounts for about 15 per cent of the world's production of vegetables. Hardly 2 per cent of perishable horticultural produce is processed to value added products. Hence, there is huge scope for processing of vegetables. This wastage can be easily prevented by adopting various methods of preservations. At the same time, there is market glut during harvesting season and farmers are forced to sell their produce at throw away prices. Therefore, food processing industries can help farmers to get sure income for their produce and also avoid market glut.

SYSTEM ANALYSIS

PROBLEM DEFINITION

EXISTING SYSTEM: -

Before there is no android application is available for monitoring the price of vegetables in the local market. The price of the vegetables is telecasted on a television but it only on a particular time only. Also the prices are printed in the daily newspaper but that is not showing the exact price of vegetables in a required time.

The existing system fully based on manual work. All the details stored and maintained by a paper, board etc. This system takes lot of time for updating the information. All the data handled by manual so, easily data are loss. Less security for data. User can not view prices at anywhere and anytime by using the existing systems.

Disadvantages:

- The existing system are having only less security and safety features because the components (such as board and paper) are used to show the price of the vegetables in the local market can be easily damaged by some causes.
- The time taken to this work is more because of it take the too much of time to displaying the prices by manual process. In this system all work is finished by manual but now the all types of process are done by the computerized equipment's. These are the main drawback of this system

REQUIREMENT SPECIFICATION

PROPOSED SYSTEM: -

We create an android application for monitoring the vegetables through internet. The main aim of this application is to reduce the manual work of the people. In this application all details and records are maintained database software.

Vegetables names and vegetable prices are displayed in the application. Whenever we need data, we can easily access the database to retrieve the data that are already stored at anywhere in the world. The prices will be updated periodically day by day. The records are frequently

updated by the admin of the application. It provides a simple user interface to the users. The working method of users are designed by very simple.

Advantages:

- The retrieval of vegetable prices is very fast in this application and it also easy to the users. It reduces the manual work of the local market members.
- The users get quick update about the prices of vegetables in the market.
- The prices will be updated periodically.
- The updating of prices is very easy in this application. Using of this application user can view the vegetable prices at anywhere.
- The application needs one time updates per day. The simple clicking options improve the interface of the app.

➢ Modifiable Menu

- The hotel manager can modify the menu according to the availability.
- The new menu also can be added to the menu card.

➢ Handling and storing items

- The generation of the customer bill is done dynamically.
- The bill is automatically stored for the further references.

➢ Attractive offer

- The application shows different offers that are available.
- It will also show special offer for the customer who will visit the application frequently.

REQUIREMENT ANALYSIS: -

It is the first step of the project. The requirements can be defined as "A complete understanding of the software development effort system requirements should set out what the system should do rather than how this is done. A requirement may be a functional requirement, that is, it describes system service or function. Alternatively, it may be a non-functional requirement, that is, a constraint placed on the system.

Functional requirements: -

1) System should allow the user to select restaurant and menus from catalog.
2) System should provide check table availability and reserve table.

3) System should provide facility to check order state.
4) System should provide facility to customer validation.

Non-functional requirements: -

Performance: -Server should be minimized as much as possible to get maximum performance.

Availability: -Because customer access the website across the world, it needs to be able to be available 24 hours a day, 7-day s a week.

Reliability: - Because of 24*7 availability, backup plan and procedures must be introduced.

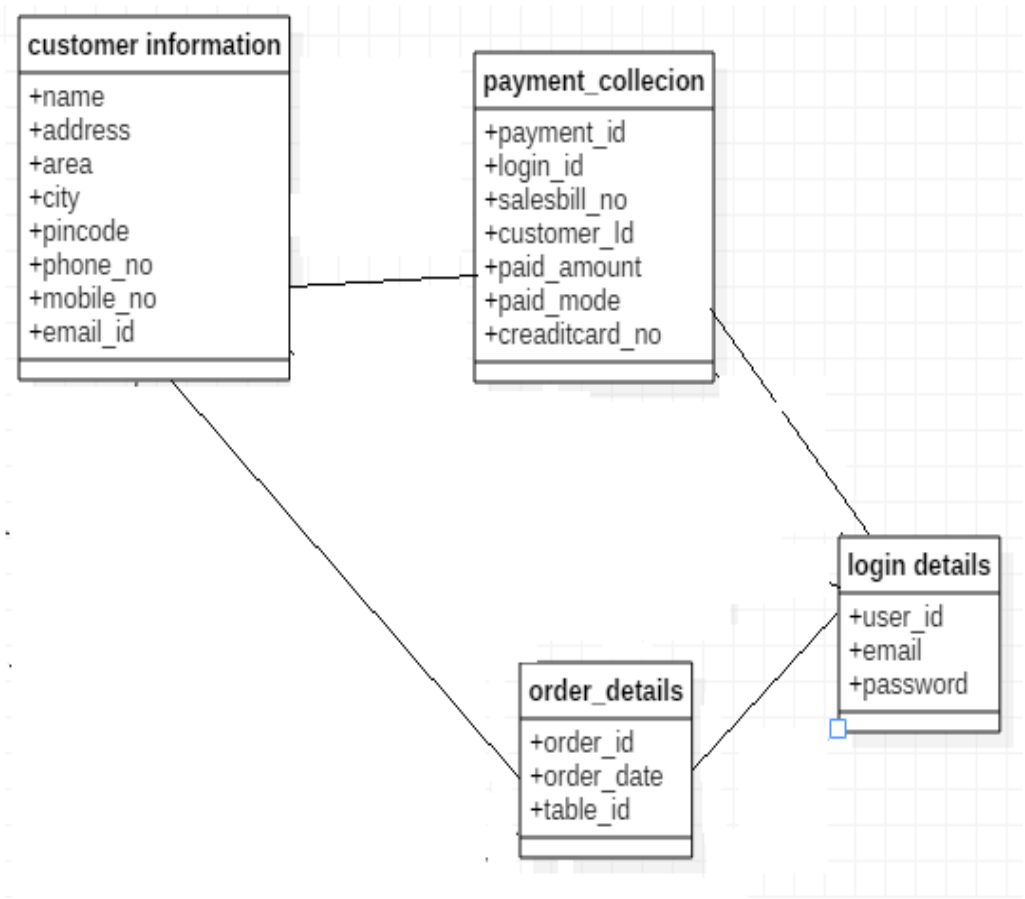
PRELIMINARY PRODUCT DESCRIPTION

This feature took a lot of research, as it is a common feature store now offer online. Not so much for smaller businesses, but most franchised restaurants take advantage of this to maximise productivity of staff (not having to take as many bookings via phone) and to automate the process with such a system. Open store and Top store are the most popular systems available. Open store claims to serve more than 15,000 shop with their bespoke vegetable management software. Open and Top store work on the basis of installing their systems in a store, and provide a function to generate a piece of code for the website of the shop to take orders. It's very simple, and the system works – having previous experience. It is extremely costly and not sensible for small businesses. On the basis of the framework being developed, it is clear that there would have to have some form of contract with one of the companies, this would make the feature very complicated to implement.

CONCEPTUAL MODEL: -

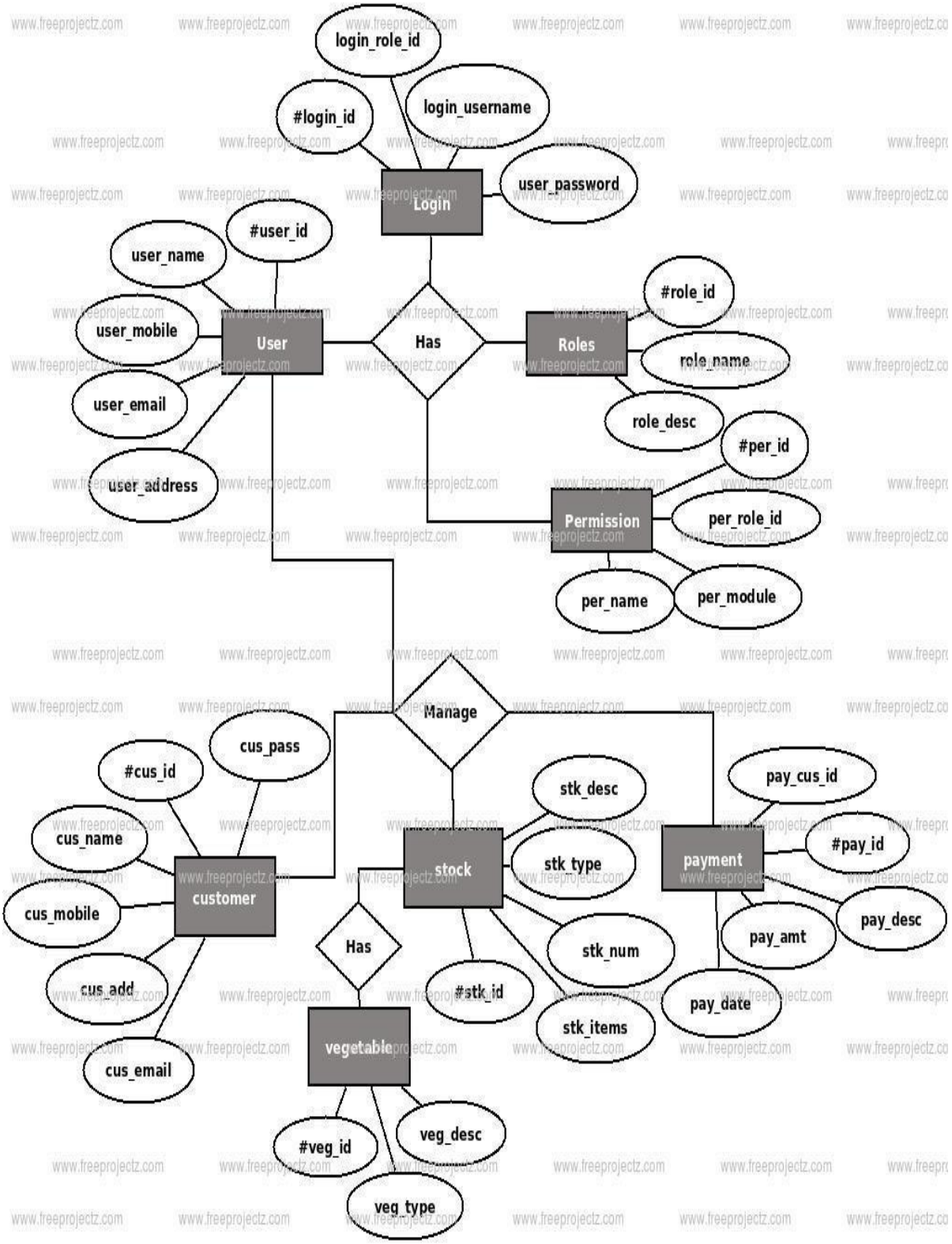
Class Diagram:-

Class diagram is a static diagram. It represents the static view of an application. Class diagram is not only used for visualizing, describing, and documenting different aspects of a system but also for constructing executable code of the software application. Class diagram describes the attributes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modelling of object oriented systems because they are the only UML diagrams, which can be mapped directly with object-oriented languages. Class diagram shows a collection of classes, interfaces, associations, collaborations, and constraints. It is also known as a structural diagram.



ER DIAGRAMS: -

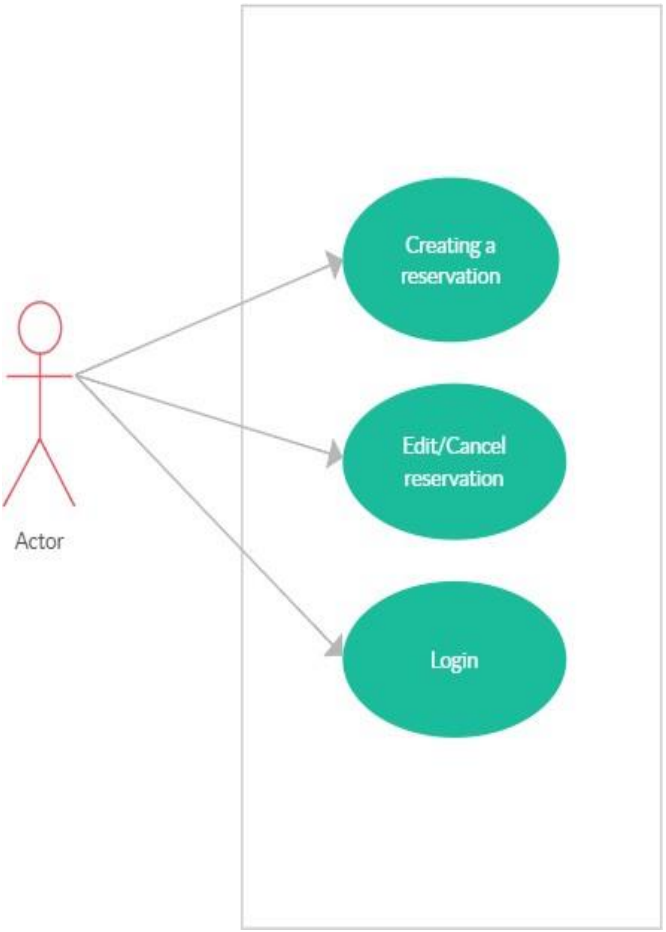
An Entity Relationship Diagram (ERD) is a visual representation of **different entities within a system and how they relate to each other.** An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system. ER Diagrams are most often used to design or debug relational databases in the fields of software engineering, business information systems, education and research. Also known as ERDs or ER Models, they use a defined set of symbols such as rectangles, diamonds, ovals and connecting lines to depict the interconnectedness of entities, relationships and their attributes.



ER Diagram For Vegetable Store Management System

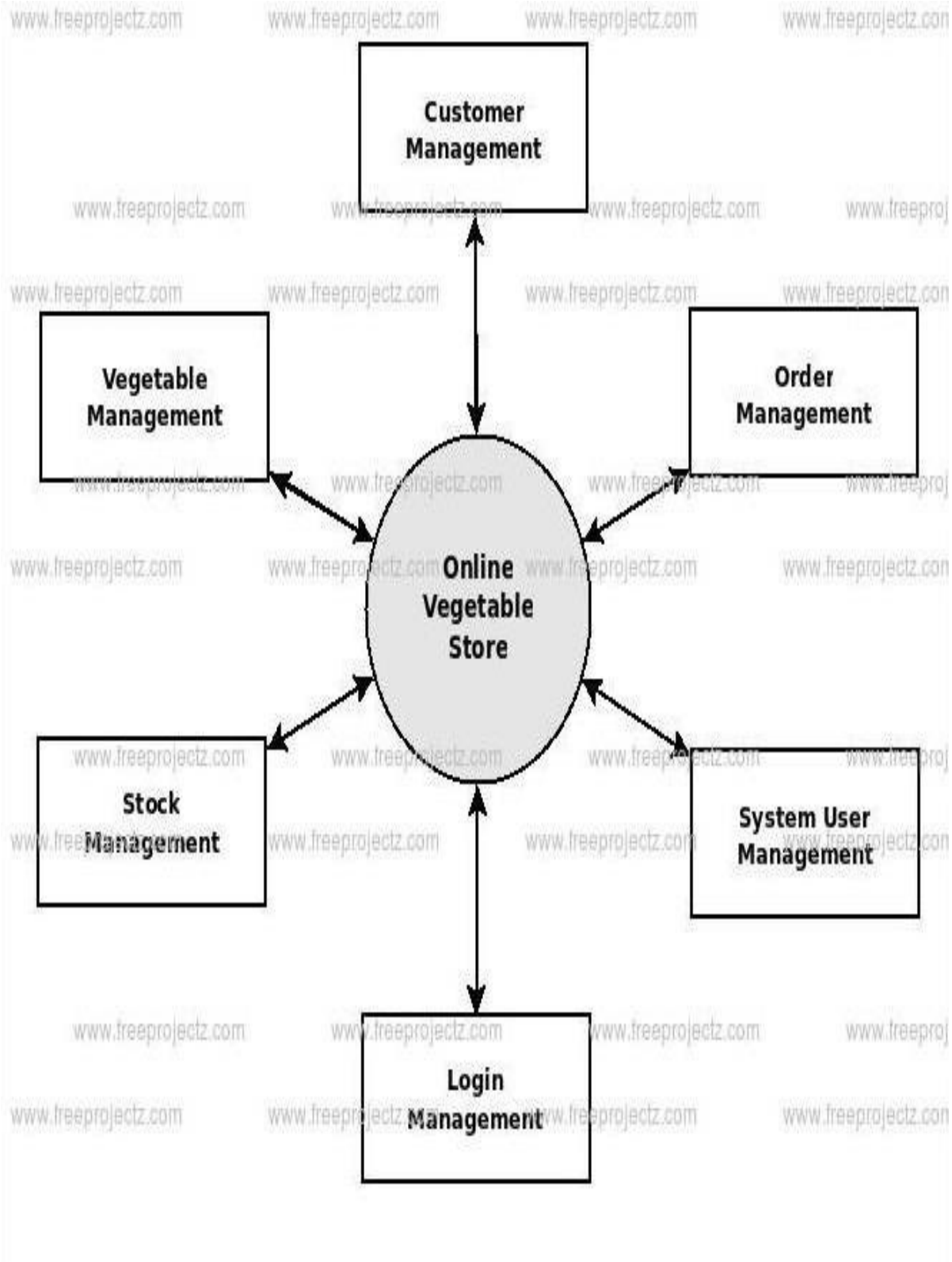
USE-CASE DIAGRAM: -

A use case diagram shows relation between user and different use case in which the user is involved. In this use case diagram customer is selecting the appliance that he/she want to repair. And the he/she send the request to the service provider. Then the service provider accept/ reject the request depends on his/her choice. After the repair id done payment will be paid by using payment method.

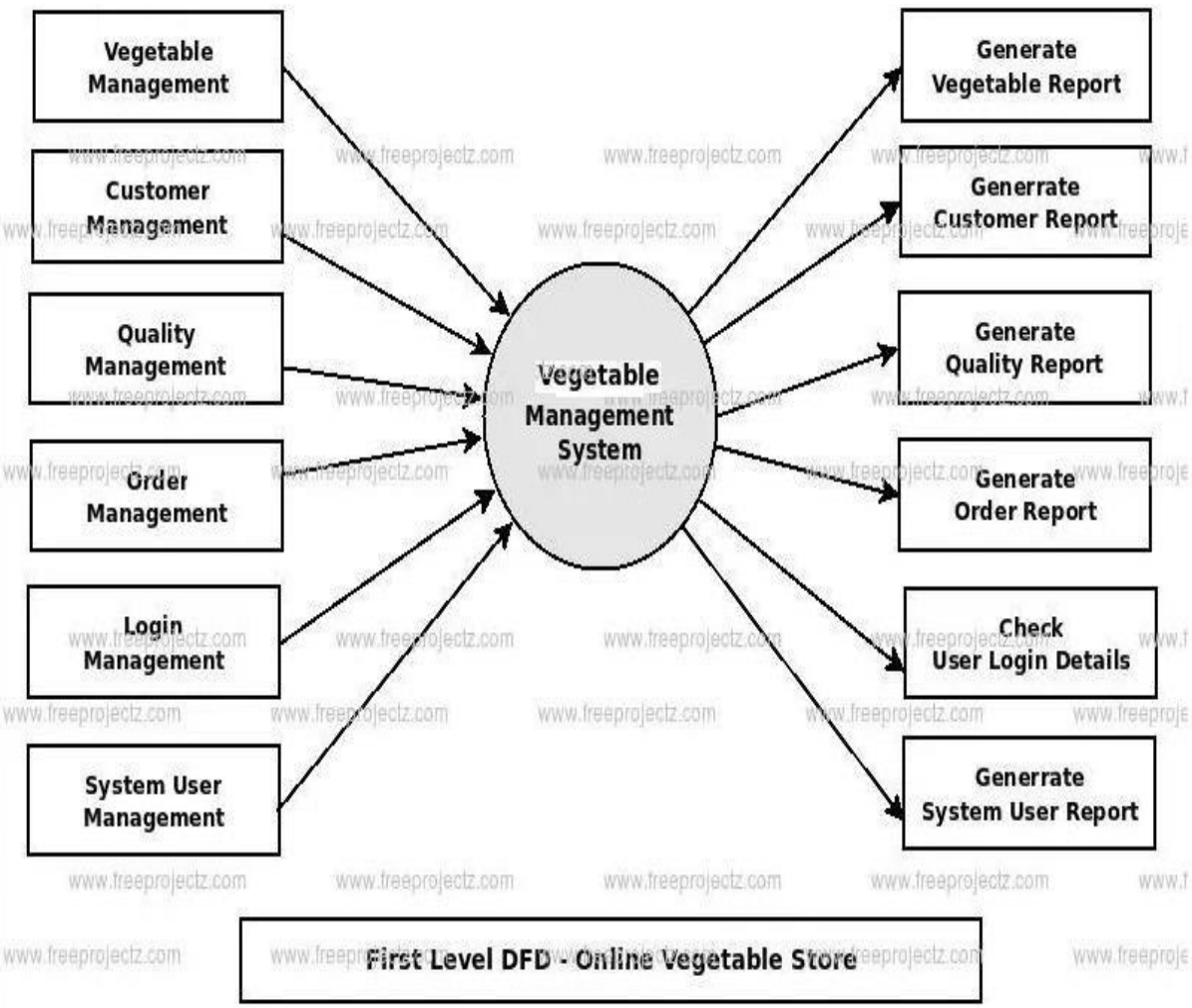


DATA FLOW DIAGRAM

Context level DFD for Online food system: -



1st level DFD for User: -



1) **PROCEDURAL DESIGN: -**

registration screen:

The peoples who are using this application first time they must be registered. In this module every user has to register their own details. All the details of the users will be stored into the database and it can be secured. In the registration screen requires more fields to registration that are followed by

- Username
- Password
- Mobile number
- Location

Login:

In this module every registered user can login to user account with their details. Every user has a unique id and password. If the user name and password is correct you can login to your account. Sometimes user loses their passwords but they have an option to sign in the application t otherwise you can't enter into your account without password by verifying their mobile number. All the user name and password is stored in the database. In the modulo two fields are used to login into an account that are described below

- Username
- Password

Home Screen:

Home screen is the main page of this application. This modulo shows some category options to the users to their choice. By clicking someone option user gets a main page of that particular category which is easy to use by the users. It shows the three types of options that are followed by

- Vegetables status
- Feedback screen
- Aboutus

Vegetables status:

Vegetable screen modulo is the important modulo of this application. It shows the entire vegetables price lists that are available in the market. The details of the vegetables price list are retrieved from the database that are already stored. User can monitor the vegetable prices with the help of internet. It shows some categories of the vegetables to the users. User can view the particular categories of the vegetables. The categories are depending on their type and cultivations. The price of the vegetables is periodically updated by the admin or head of local market members.

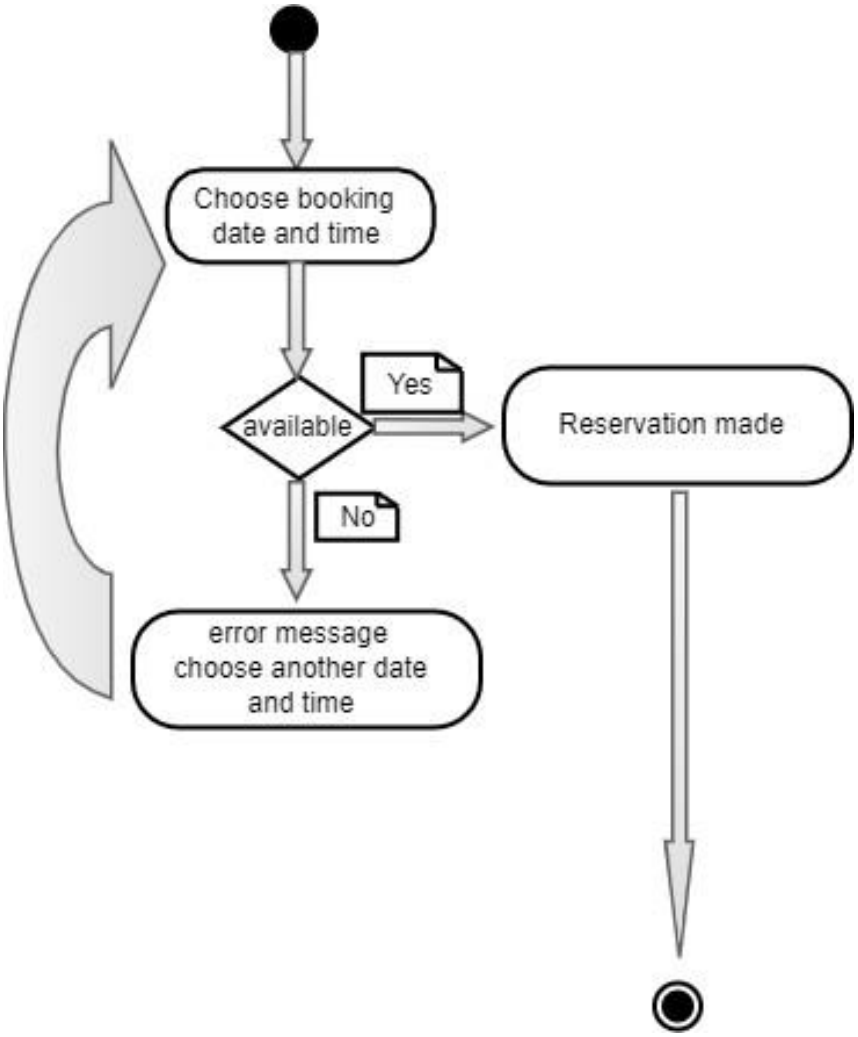
Feedback Screen:

Feedback screen is used to improve the application. The feedbacks are collected from the users to improve the performance of the application. Users send the information's as feedback with their experience what they have benefited or drawbacks from the application. The feedback of the users will be stored in the database and that can be viewed by the admin. Then the admin can easily update the application depend on the user requirements. Feedback is essential to the working and survival of all regulatory mechanisms found throughout living and non-living nature, and in man-made systems such as education system and economy. As a two-way flow, feedback is inherent to all interactions, whether human-to-human, human-to-machine, or machine-to-machine.

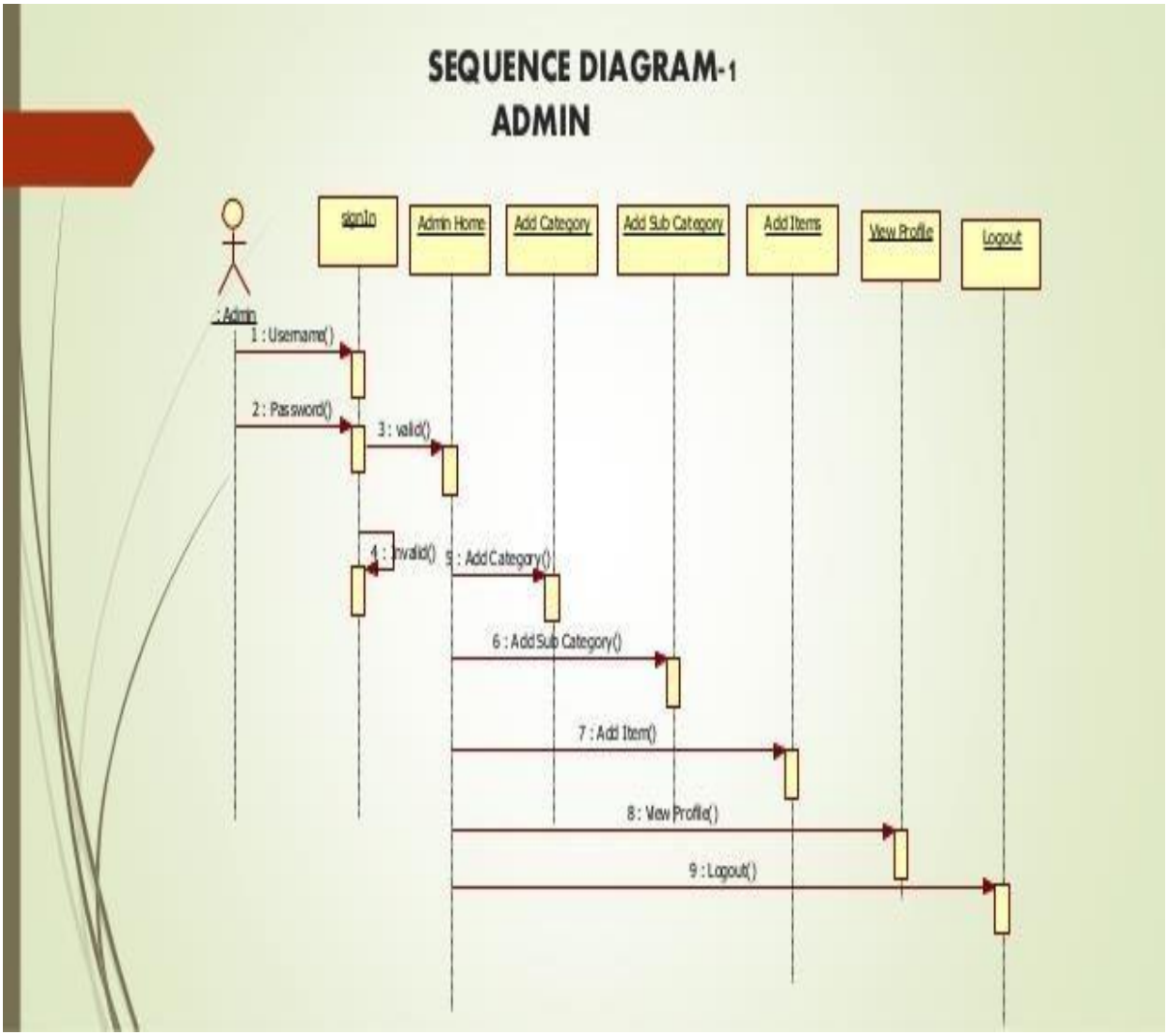
About Us: The "About Us" page is a great place for it to live, too. Good stories humanize your brand, providing context and meaning for your product. What’s more, good stories are sticky which means people are more likely to connect with them and pass them on. This modulo is used to describe a story about this application how is created and implemented. The vision and mission of the application are clearly explained in this modulo. It is also including the details of the team members who are helpful to create this application.

2) LOGIC DIAGRAMS: -

Activity diagram:-



Sequence diagram: -



A sequence diagram, in the context of UML, represents object collaboration and is used to define event sequences between objects for a certain outcome. A sequence diagram is an essential component used in processes related to analysis, design and documentation. A sequence diagram is also known as a timing diagram, event diagram and event scenario.