Minor Project Report

on

Tiffin Vendor Service

In partial fulfillment of requirements for the degree of

BACHELOR OF TECHNOLOGY

IN

INFORMATION TECHNOLOGY

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JAN - JUNE 2022

SHRI VAISHNAVINSTITUTE OF INFORMATION TECHNOLOGY, INDORE

DEPARTMENT OF INFORMATION TECHNOLOGY

DECLARATION

We here declare that the work which is being presented in the project entitled "**Tiffin Vendor Service**" in partial fulfillment of the degree of **Bachelor of Technology in Information Technology** is an authentic record of our work carried out under the supervision and guidance of "Guide Name" Asst. Professor of Information Technology. The matter embodied in this project has not been submitted for the award of any other degree.

SHRI VAISHNAV INSTITUTE OF INFORMATION TECHNOLOGY, INDORE
DEPARTMENT OF INFORMATION TECHNOLOGY

PROJECT APPROVAL SHEET

Following team has done the appropriate work related to the "**Tiffin Vendor Service**" in partial fulfillment for the award of **Bachelor of Technology in Information Technology** of "SHRI VAISHNAV VIDYAPEETHVISHWAVIDYALAYA, INDORE"and is being submitted to SHRI VAISHNAV INSTITUTE OF INFORMATION TECHNOLOGY, INDORE.

Team:
1. Aniruddh Upadhyay
2. Astha Ved
3. Bhumi Shrimal

Internal Examiner **External Examiner**

Date:

SHRI VAISHNAV INSTITUTE OF INFORMATION TECHNOLOGY, INDORE
DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that **Aniruddh Upadhyay, Astha ved, Bhumi Shrimal,** working in a team have satisfactorily completed the project entitled "**Tiffin Vendor Services**" under my guidance in the partial fulfillment of the degree of **Bachelor of Technology in Information Technology** awarded by SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE during the academic year Jan-June 2022.

Prof. Gaurav Shrivastava
Project Guide

Dr. Jigyasu Dubey
HOD-IT

ACKNOWLEDGMENT

We are grateful to a number of persons for their advice and support during the time of complete our project work. First and foremost our thanks goes to **Dr. Jigyasu Dubey** Head of the Department of Information Technology and **Prof. Sumit Nigam / Prof. Gaurav Shrivastava** the guide of our project for providing us valuable support and necessary help whenever required and also helping us explore new technologies by the help of their technical expertise. His direction, supervision and constructive criticism were indeed the source of inspiration for us.

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We would like to thanks our parents and family members, our classmates and our friends for their motivation and there valuable suggestion during the project. Last, but not the least, we thank all those people, who have helped us directly or indirectly in accomplishing this work. It has been a privilege to study at Shri Vaishnav Institute of Information Technology, Indore.

ABSTRACT

The purpose of Tiffin vendor services is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

Tiffin vendor services, as described above, can lead to error free. secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to search tiffin services . Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

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CHAPTER 1 –INTRODUCTION

1.1 INTRODUCTION

- The Tiffin vendor services has been developed to override the problems prevailing the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.
- The application in reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Online Food Ordering System, as described above, can lead to or free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping Thus it will help organization in better utilization of resources.

1.2 Problem Statement

- People who are living away from their home they have to face problem in searching tiffin center.
- Sometimes people left tiffin at their home.
- People also face problem in food quality and hygiene.
- Lack of customer feedback.
- False call- sometimes customer do fake call for their own fun.
- False delivery- sometimes a delivery person does not come on time or parcel get exchanged or parcel have half eaten food.

1.3 Need for the new System

- The already existing Application or websites doesn’t have all the features**.**
- Recommendation for best tiffin centers
- User can easily find tiffin centers who are new to the place.

1.4 Objective

The main objective of the Project on Tiffin Vendor Services is to manage the details of Food, Item Category, Shopping Cart, Customer, Order. It manages all the information about Food, Delivery Address, Order, Food. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Food, Item Category, Delivery Address, Shopping Cart. It tracks all the details about the Shopping Cart, Customer, Order.

Functionalities provided by Tiffin Vendor Service are as follows:

- Provides the searching facilities based on various factors. Such as Food, Shopping Cart, Customer, Order.
- Tiffin Vendor Service also manage the Delivery Address details online for Customer details, Order details, Food.
- It tracks all the information of Item Category, Delivery Address, Customer etc.
- Manage the information of Item Category.
- Shows the information and description of the Food, Shopping Cart.
- To increase efficiency of managing the Food, Item Category.
- It deals with monitoring the information and transactions of Customer.
- Manage the information of Food.
- Editing, adding and updating of Records is improved which result in proper resource management of Food data.
- Manage the information of customer.
- Integration of all records of order.

1.5 Modules of the system

- Food Management Module: Used for managing the Food details.
- Order Module: Used for managing the details of Order
- Delivery Address Module: Used for managing the details of Delivery Address

- Item Category Management Module: Used for managing the information and details of the Item Category.
- Shopping Cart Module : Used for managing the ordered Cart details
- Customer Module: Used for managing the Customer information
- Login Module: Used for managing the login details
- Users Module: Used for managing the users of the system.

1.6 Scope

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfy the user requirement.
- Be easy to understand by the user and operator.
- Be easy to operate.
- Have a good user interface.
- Be expandable.
- Delivered on schedule within the budget.

CHAPTER 2 - LITERATURE SURVEY

2.1 Existing System

In the existing system the exams are done only manually but in proposed system we have to computerize the exams using this application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- No direct role for the higher officials

2.2 Proposed System

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- Security of data.
- Ensure data accuracy's.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

2.3 Feasibility Study

After doing the project Tiffin Vendor Service, study and analyzing all the existing or required functionalities of the system, the next task is to do the feasibility study for the project. All projects are feasible - given unlimited resources and infinite time.

Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

2.3.1 Technical Feasibility

1. There are requirement of programmer to make database as well as web pages.
2. There are requirement of Manpower - programmers, testers, debuggers, etc.

Need to systems and software to develop web page.

2.3.2 Economical Feasibility

The project is economically feasible, there is requirement of investment to run the website and also the users has to buy the subscription to order their tiffin.

2.3.3 Operational Feasibility

User will required a system/device and active internet connection to operate the web page. The purpose of this project is to deliver tiffin to users, via, websites easily and conveniently.

CHAPTER 3 – REQUIREMENTS ANALYSIS

3.1 Method used for Requirement analysis

- This system allows the user to select the desired tiffin services from the displayed menu.
- The user orders the food items. The payment can be made online or pay-on- cash.
- If there is more requirement then it will take it from the website.

3.2 Data Requirements

- Tiffin Centers data is required.
- Location data is required.
- User data is required.
- Vendor data is required.
- Food menu data is required for every tiffin centers who have registered on the website.

3.3 Functional Requirements

- **Member Authentication**

  User will login through user id and password than will get access to the website.

- **Vendor Panel**

  Website will provide free marketing to all associated tiffin centers.

- **User Panel**

  * It will make easier to find tiffin services.

  * User can give feedback about tiffin center, whose subscription they have bought. * It will give user freedom to choose [cheap, tasty, and hygenic] tiffin center based on their ratings.

3.4 Non Functional Requirements

Safety Requirements

The database may get crashed at any certain time due to virus or operating system failure. Therefore it is required to take the database backup.

Software Quality Attributes

The Quality of the database is maintained in such a way so that it can be very user friendly to all the users of the database

Hardware Constraints

The system requires a database in order to store persistent data. The database should have backup capabilities.

Software Constraints

The development of the system will be constrained by the availability of required software such as database and development tools

3.5 System Specification

3.5.1 Hardware specification

- Processor: 1.6Ghz and above
- RAM: 4 GB Recommended
- GPU: Intel Integrated (at least)

3.5.2 Software Specification

- Operating system above and Windows 7, 8, 8.1.
- Web Browser: Chrome, Mozilla fox, Browser Opera

CHAPTER 4 – DESIGN

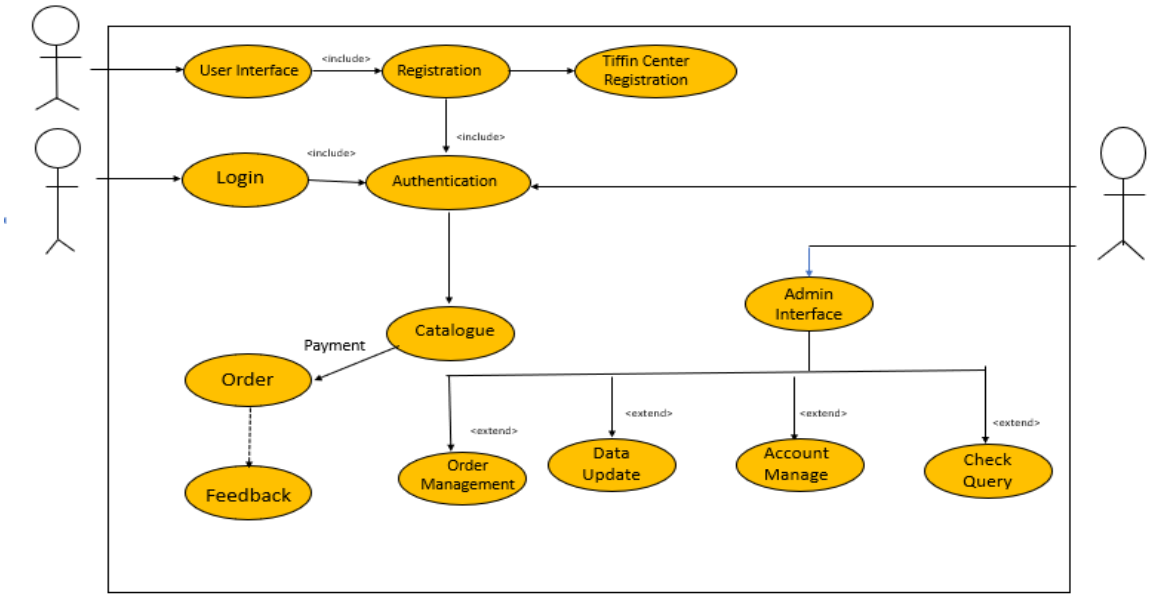
4.1 Software Requirements Specification

The Software Requirements Specification is produced at the culmination of the analysis task. The function and performance allocated to software as part of system engineering are refined by establishing a complete information description, a detailed functional and behavioral description, an indication of performance requirements and design constraints, appropriate validation criteria, and other data pertinent to requirements.

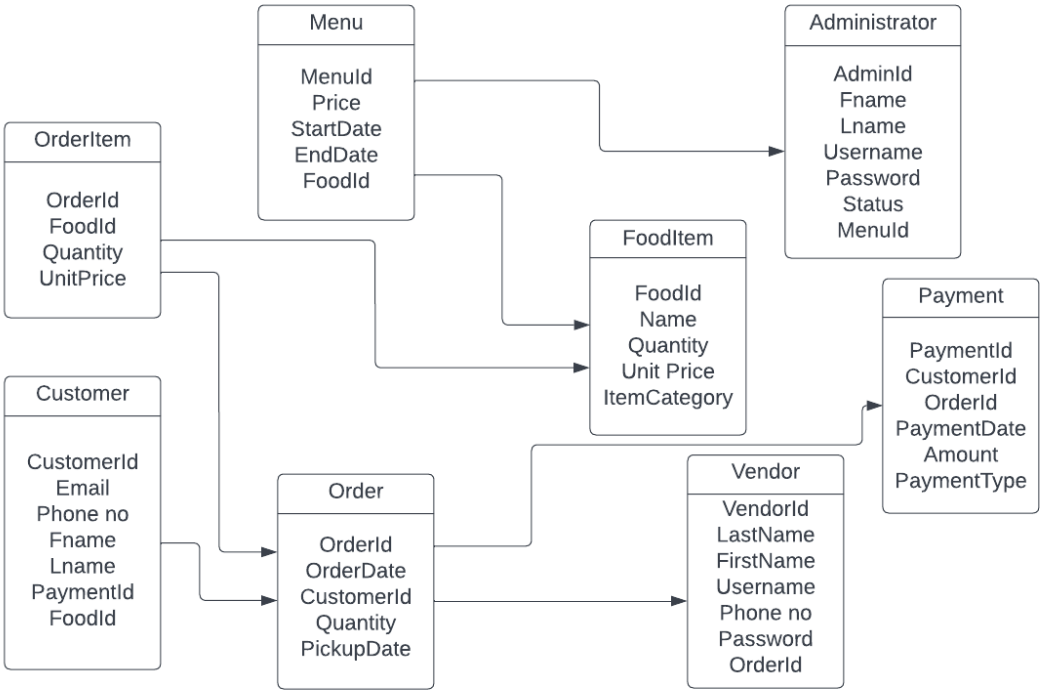
The proposed system has the following requirements:

- System needs store information about new entry of Food.
- System needs to help the internal staff to keep information of Item Category and find them as per various queries.
- System need to maintain quantity record.
- System need to keep the record of Shopping Cart.
- System need to update and delete the record.
- System also needs a search area.
- It also needs a security system to prevent data.

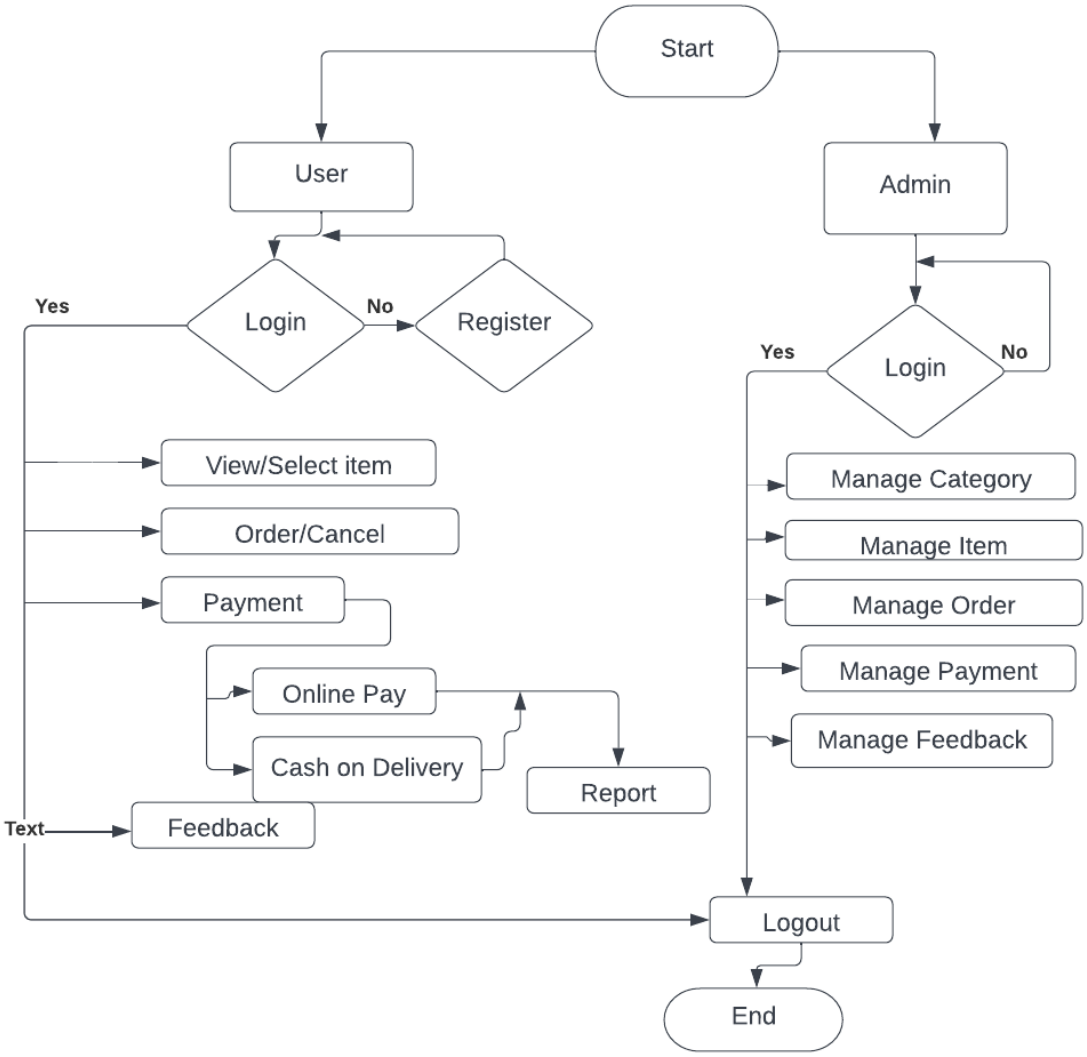
4.1.1 Use Case Model



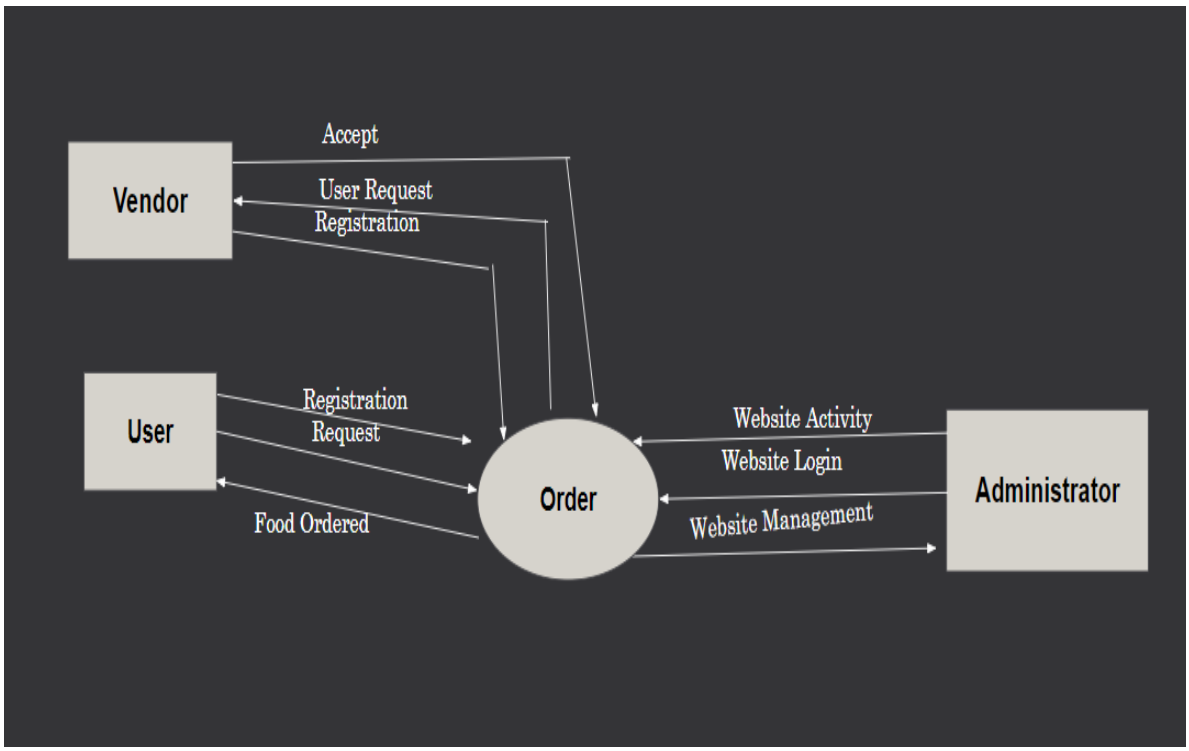
4.2 Conceptual level class diagram



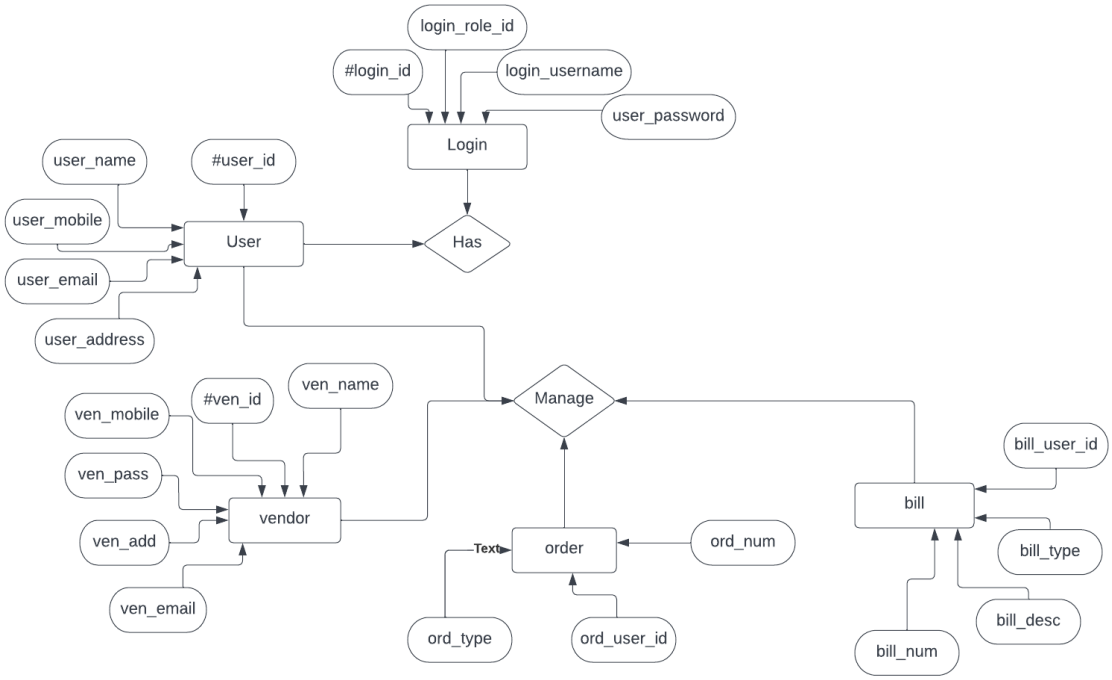
4.3 Conceptual level activity diagram



4.4 Data flow Diagram(Level 0,1,2)

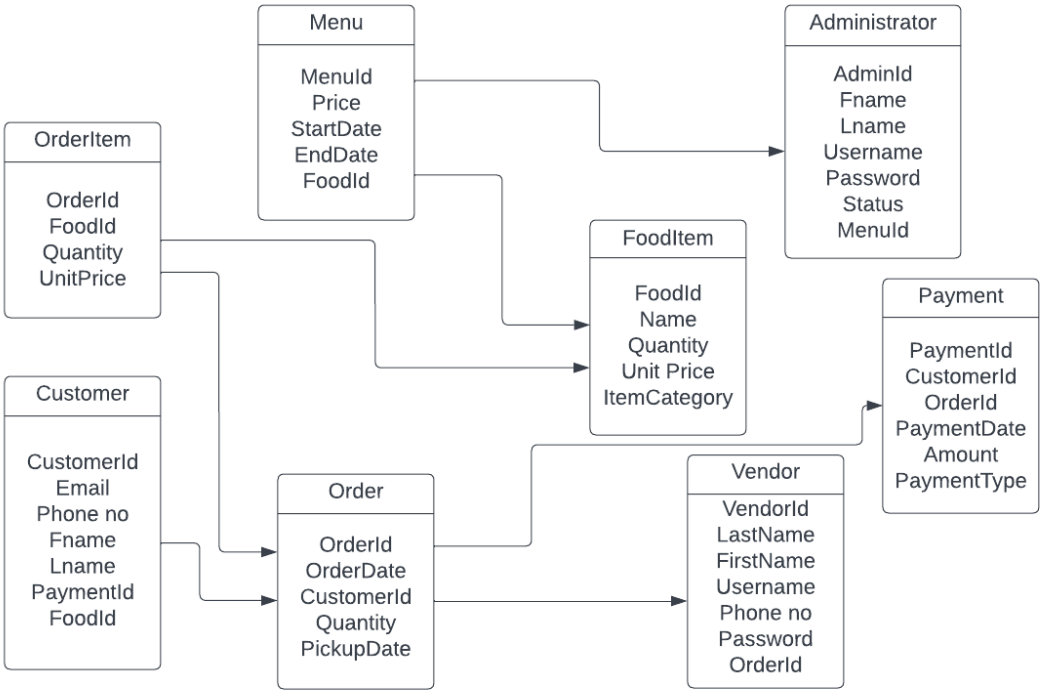


4.5 Database Design (ER-Diagram)



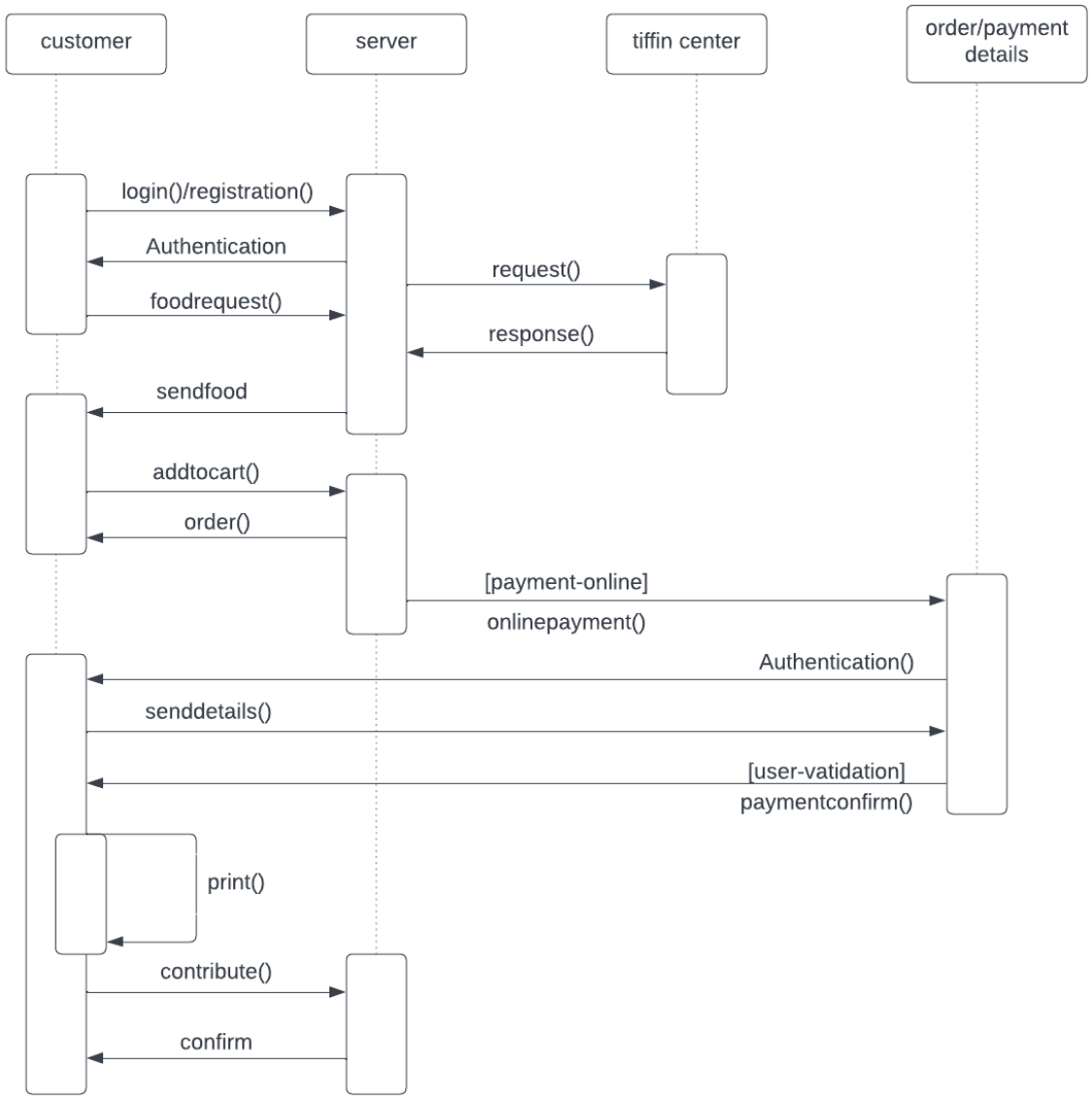
CHAPTER 5 – SYSTEM MODELING

5.1 Detailed Class Diagram

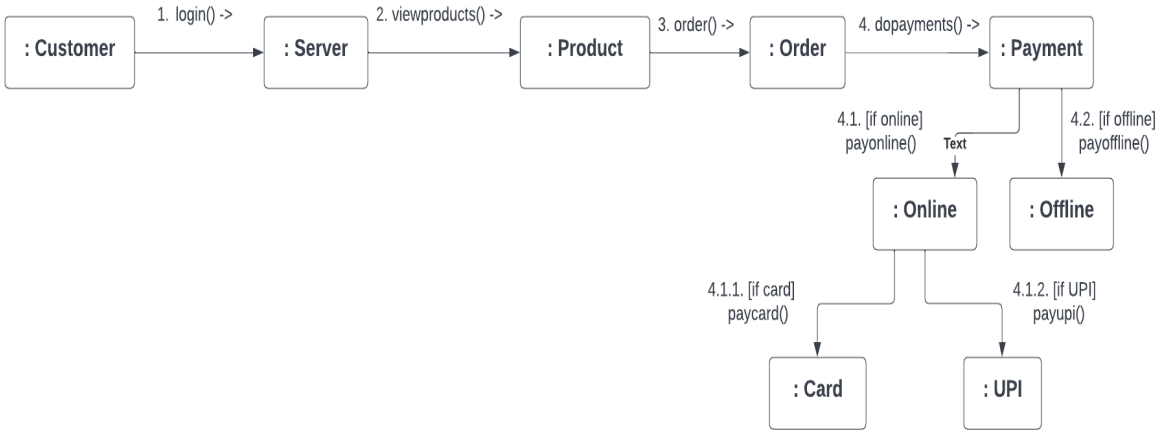


5.2 Interaction Diagram

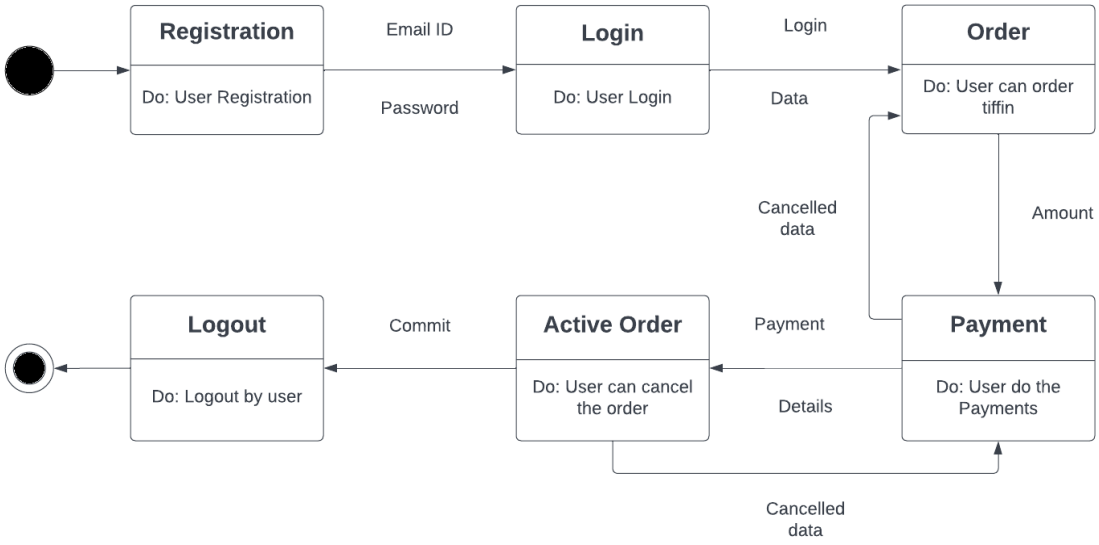
5.2.1 Sequence Diagram



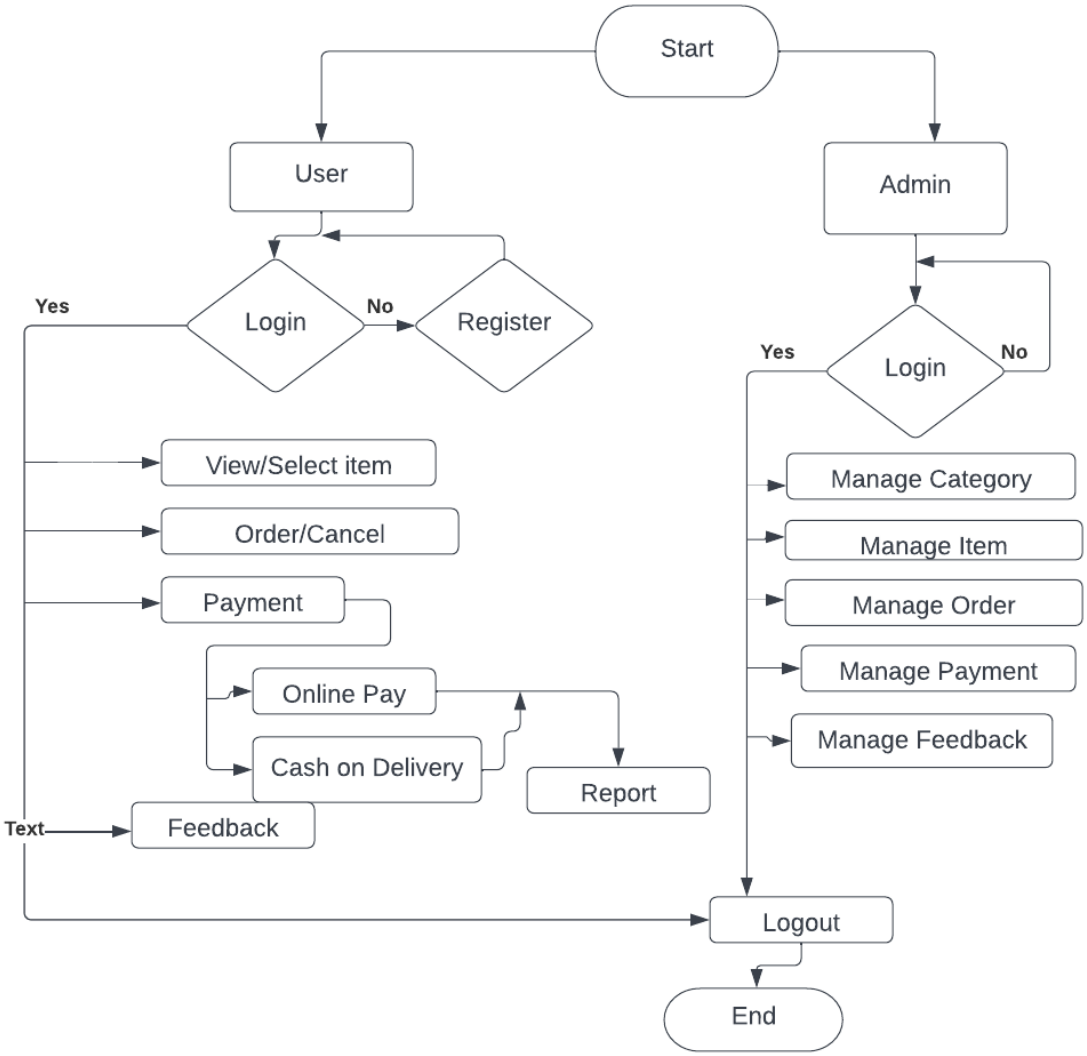
5.2.2 Collaboration Diagram



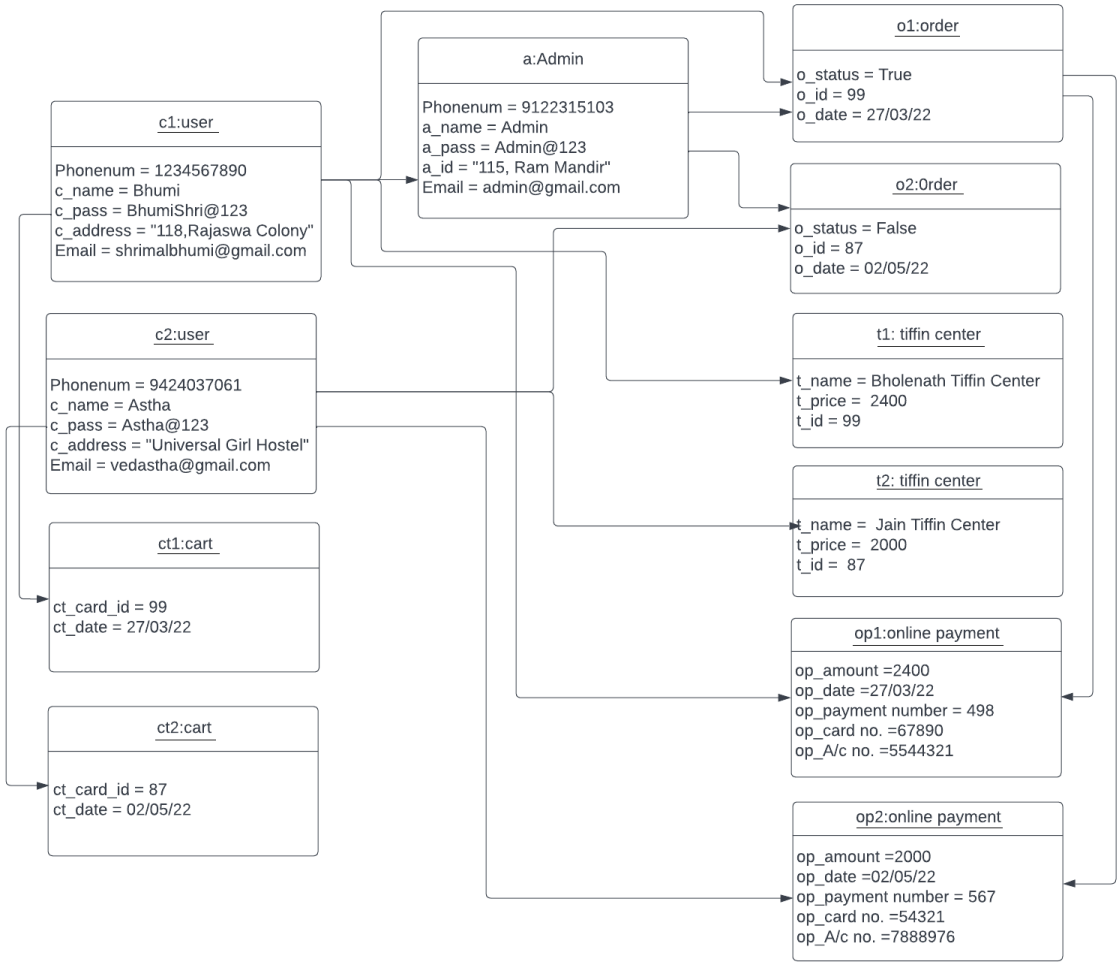
5.3 State Diagram



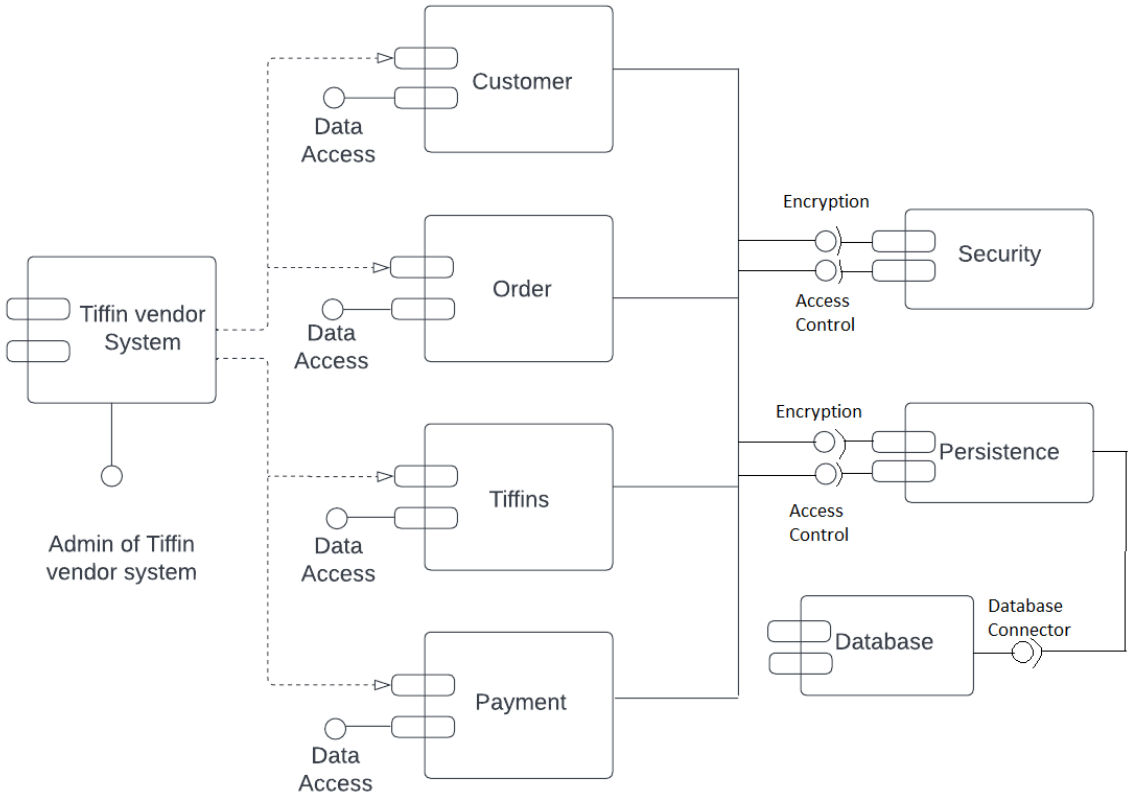
5.4 Activity Diagram



5.5 Object Diagram



5.6 Component Diagram



CHAPTER 6 – CONCLUSION & FUTURE WORK

6.1 Limitation of Project

Although I have put my best efforts to make the software flexible, easy to operate but limitations cannot be ruled out even by me. Though the software presents a broad range of options to its users some intricate options could not be covered into it; partly because of logistic and partly due to lack of sophistication. Paucity of time was also major constraint, thus it was not possible to make the software foolproof and dynamic. Lack of time also compelled me to ignore some part such as storing old result of the candidate etc.

Considerable efforts have made the software easy to operate even for the people not related to the field of computers but it is acknowledged that a layman may find it a bit problematic at the first instance. The user is provided help at each step for his convenience in working with the software.

List of limitations which is available in the Tiffin Vendor Service:

- Excel export has not been developed for Food, Item Category due to some criticality.
- The transactions are executed in off-line mode, hence on-line data for Shopping Cart, Customer capture and modification is not possible.
- Off-line reports of Food, Order, Shopping Cart cannot be generated due to batch mode execution.
- In the Online Tiffin booking system, we have developed a secure, user-friendly Tiffin Management System.
- This System can take care of each member whether it is an Administrator or a Customer.
- This System will help them to properly manage the meals of the customers, the delivery boy's data, and help in growth without creating any hassle.

6.2 Future Enhancement

This system is completely secure since every user is provided with a user ID and Password so there is no chance of any unauthorized access. Online Payment, Registration, and cancellation make it easier to use. So, using this system will help in reducing the labor and provide more facility for Customers to like the services.

CHAPTER 7 - BIBLIOGRAPHY & REFERENCES

7.1 Reference Books

https://www.freeprojectz.com/premium-synopsis/synopsis-online-food-ordering-system

https://www.researchgate.net/publication/351548478_TIFFIN_MANAGEMENT_SYSTEM_USING_ANDROID_APP

Tiffin Services in Hyderabad | Home food delivery vendors (yumeats.in)

8 Best Tiffin Services In Bangalore & Healthy Home Food In Bangalore | magicpin blog

Online Tiffin Service Laravel Project - ProjectsPlaza

7.2 Other Documentations & Resources

/www.academia.edu/33253493/An_Online_Food_Ordering_System_System_Documentation

https://www.slideshare.net/kalsoomhAsgher/online-food-ordering-app-documentation