Project Reporton

Online Grocery Store Management System

Submitted By

Ayush Tyagi	**2100290140048**
Kartik	**2100290140073**
Mohit Yadav	**2100290140087**
Manmohan	**2100290140084**

Submitted in partial fulfilment of theRequirements for the Degree of

MASTER OF COMPUTER APPLICATIONS

Under the Supervision of

Dr. Shashank Bhardwaj Associate Professor

Submitted to

Department of Computer Applications,KIET Group of Institutions,

Delhi-NCR, GhaziabadUttar Pradesh – 201206

(February 2023)

CERTIFICATE

Certified that **Ayush Tyagi 2100290140048, Kartik 2100290140073, Mohit Yadav 2100290140087, Manmohan 2100290140084** have carried out the project work having "**Online Grocery Management System**" for Master of Computer Application from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Technical University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself / herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Date :

Ayush Tyagi (2100290140048)
Kartik (2100290140073)
Mohit Yadav (2100290140087)
Manmohan (2100290140084)

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date:

Dr. Shashank Bhardwaj Associate Professor
Department of Computer Applications KIET Group of Institutions, Ghaziabad

Signature of Internal Examiner **Signature of External Examiner**

Dr. Arun Tripathi
Head, Department of Computer Applications
KIET Group of Institutions,Ghaziabad

ABSTRACT

The online Grocery Store documents a purchaser to submit online commands for items and facilities from a store that distributes both walk-in clients and online customers. The online Store system grantsan online display of all the matters they want to wholesale from store.

This web grounded application assists customers to select their products. Customers provide their alldetail regarding address and contact and they get their chosen products in their home. Shopping daysmay be check at any time, and their substances can be modified or detached at the option of the customer.

Once the customer adopts to submit a buying order, the purchaser may print the insides of the shoppingcarrier in order to gain a hard copy record of the deal. This Web application saves lots of time of customers and give the more advantages to customer. E-commerce has seen a tremendous growth in the past decade.

An important feature of an online grocery system is to arise up with suitable recommendations, which can help the user make quick decisions, so that they don't have to spend additional time, browsing thewebsite.

Generating visual needs and reports acts as another plus point, for these websites. In order to implement this, almost all major online shopping sites use recommendation systems. The main persistence of this broadside is to give an review of a smart cart application which is a predictive model application and which aims to provide germane item recommendations grounded onpurchase olden times and user interests based on a dataset.

This paper also describes the application that analyses the customers grocery purchasing habits and predicts which previously purchased products will be in a customers next order. The application will also have a reference scheme that predicts the items hence making the users purchasing experience more.

ACKNOWLEDGEMENTS

Success in life is never attained single handedly. My deepest gratitude goes to my thesis supervisor, **Dr. Shashank Bhardwaj** for her guidance, help and encouragement throughout my research work. Their enlightening ideas, comments, and suggestions.

Words are not enough to express my gratitude to **Dr. Arun Kumar Tripathi, Professor and Head, Department of Computer Applications**, for his insightful comments and administrative help at various occasions.

Fortunately, I have many understanding friends, who have helped me a lot on many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

Ayush Tyagi (2100290140048)

Kartik (2100290140073)

Mohit Yadav (2100290140087)

Manmohan (2100290140084)

CONTENTS

5.4 PAYMENT
5.5 CUSTOMER
5.6 PRODUCCT

LIST OF FIGURES

CHAPTER 1

INTRODUCTION

1.1 DOMAIN SPECIFIC

The main goal for developing this project where customer can purchase an order on groceries. The structure is very convenient for customer. They can easily buy the grocery products from home through internet. The system decrease a much of work load for customer.
The product is directly delivered customer address by system online grocery shopping. The system functionality of products an orders is stored on the admin side in web service. this project provides a lot of feature to manage the product in well manner. This project contains details advance module that can make the backend system very powerful.

Online grocery market is a method of E-Commerce that allows customer to buy a product form a seller over internet. There had been a increasing demand for e commerce sites, in the past decades. Online grocers, especially have growing in popularity. Each of this sites are using recommendation system and algorithms.

Internet of Everything or Network of Everything is additionally known as Internet of Things (IoT). Whenphysical articles or things are embedded with physics, sensors and software then the network called IOT isformed. This network has property to change objects to exchange knowledge with the assembly, operator and/or different connected devices supported the infrastructure of International Telecommunication Union's international Standards Initiative. IOT allows the discernment of objects and controlling them remotely across existing network infrastructure. Thus a network makes a extent for a lot of direct integration between the physical world and computer based systems. This brings to betterment in accuracy, potency and economic profit. Every factor is clearly acknowledgeable through its embedded system however is in a position to interoperate among the present internet infrastructure.

The intention of here tabloid is to create an online grocery management system. This system can come withsuitable recommendation for the user and display interesting patterns for companies which can be also market research.

Grocery shopping these days has become a job. The client needs to continuously monitor groceries at home and also has the work of directing coupons, maintaining shopping lists, standing in restraint out queues, reading the fine print on food cans, and even needs to find out within which

rack and row he or she may notice that object.

A large amount of the grocery shoppers would thus have an interest in an additional appropriate, rapidly grocery shopping option. Presently life for everyone has become so confused and time consuming, at such time we require a smart system at our kitchen also. To put on records and observing all the grocery at home is hard. Many of the time we remain in incorrect belief that we have enough grocery in our kitchen but we have to faceempty bottles at the time of difficulty when the requirement is must that gives us trouble. And to avoid this,some time we buy more than enough grocery & store it at our home for many days, which is also an inconvenience can cause damage to grocery. Both this situations are problems. System that can give continuous level measurement and can notify us about low level of content is required to avoid these problems.

While both Searching and Linking navigation styles can be found on the web and on websites generally, their utilization on online grocery stores is diverse because of the society with conventional grocery store aisles. Both of these techniques have benefits for the consumer and the store; however there is small research in this specific domain to advice which techniques has the greater usability and advantage to customers. Search capabilities are essential for helping users locate desired products.

With, on average, 70% of a website's users employ a website's search engine, and 43% believe that the search engine is the most important feature on a site(Bannister, 2002). The provision of sorting or prioritizing search results allows users to better meet their own needs by allowing users to have more control over the online grocery store. In the case where a user chooses to browse the site (Linking) rather than employ the search facility, it is essential to provide meaningful labels and menu names to aid navigation (Freeman, 2009). Bannister (2002) suggests that strong and relevant cross selling serves as extra navigation for users who wish to browse rather than having a set list, as well as increasing product sales by 'suggesting' associated products.

1.2 OBJECTIVES OF THE PROJECT

The main objective of this Online Grocery Management Web application is to provide an online product/ grocery purchasing website. Everyone needs food to survive. If someone wants to cook food even by themselves, they'll first have to go to some grocery store, buy items, and carry all that heavy load of raw materials themselves to their home. That's where an online solution can help so we have implemented the Online Grocery Store web application. All one needs to do is order everything they need for their cooking requirements online and relax till it gets delivered to their homes

1.3 PROBLEM DEFINITION

Grocery shopping these days has become a job. The client needs to continuously monitor groceries at home and also has the work of directing coupons, maintaining shopping lists, standing in restraint out queues,reading the fine print on food cans, and even needs to find out within which rack and row he or she may notice that object.

A large amount of the grocery shoppers would thus have an interest in an additional appropriate, rapidly grocery shopping option. Presently life for everyone has become so confused and time consuming, at such timewe require a smart system at our kitchen also. To put on records and observing all the grocery at home is hard.

Many of the time we remain in incorrect belief that we have enough grocery in our kitchen but we have to face empty bottles at the time of difficulty when the requirement is must that gives us trouble. And to avoid this, some time we buy more than enough grocery & store it at our home for many days, which is also an inconvenience can cause damage to grocery. Both these situations are problems. System that can give continuous level measurement and can notify us about low level of content is required to avoid these problems.

1.4 PROJECT FEATURES

The main goal for developing this customer can purchase an order on groceries. The structure is very convenient for customer. They can easily buy the grocery products from home through internet. The system decrease a much of work load for customer. The product is directly delivered customer address by system online grocery shopping. The system functionality of products an orders is stored on the admin side in web service. this project provides a lot of feature to manage the product in well manner. This project contains details advance module that can make the backend system very powerful. Online grocery market isa method of E-Commerce that allows customer to buy a product form a seller over internet. There had been a increasing demand for e commerce sites, in the past decades. Online grocers, especially have growing in popularity. Each of this sites are using recommendation system and algorithms.

Internet of Everything or Network of Everything is additionally known as Internet of Things (IoT). When physical articles or things are embedded with physics, sensors and software then the network called IOT is formed. This network has property to change objects to exchange knowledge with the assembly, operator and/or different connected devices supported the infrastructure of International Telecommunication Union's international Standards Initiative. IOT allows the discernment of objects and controlling them remotely across existing network infrastructure. Thus a network makes a extent for a lot of direct integration between the physical world and computer based systems. This brings to betterment in accuracy, potency and economic profit.

.

CHAPTER 2 LITERATURE SURVEY

DOMAIN SPECIFIC

Literature survey is a very important step in the software development process. Before buildingany new tool, we need to check the time factor, economy and company strength. When these things are fulfilled, at that point following stages is to figure out which working framework andlanguage can be utilized for building up the device. A lot of help is required for building the tool, internal as well as external. Senior programmers can help and provide this support to the developers from various sources like research papers, books or online websites. Before buildingthe framework the above thought are considered for building up the proposed framework.

Various research papers, articles and patents have been studied before embarking on methodology. In one technical paper the slope unique and min confusion algo have been proposed for item-item collaborative filtering in the grocery recommendation system.

In another one paper, the prediction of a recommendation system by means of suggestion regulation withdrawal and analyzing past orders of customer and mapping the selected item with similar item is achieved. Likewise, in random walk algorithm the vigorous of a page or an item is chosen by the probability that the item will be decided. Also, in the patents and there commendation systems are produced by taking into account users interests and past history of item viewing while recommending items.

In this systems, the item to item mapping occurs and by using set of tables the item to item mapping is achieved. Thus, in the literature survey various algorithms and methods related to recommendation systems were studied and based on that methodology is prepared.

This section presents an indication of the traineeships and commercial intelligences related to shoppers' grocery shopping conclusion making development, in together off and operational selling channels. The resolved was to get a universal review of grocery shop, in what relates to this thesis and subsequent questions, and as such the focus relies mostly on the decisional phase and influencing pre-decisional of the grocery shopper decision making process.

On the origin of outcome of the literature review performed, a conceptual framework that guided the design and performance of the empirical studies, aiming at providing answers to the proposed research questions, is also presented.

EXISTING SYSTEM

A grocery store is a retail store that primarily sells food. A grocer is a bulk seller of food. Grocery stores often offer nonperishable food that is packaged in cans, bottles and boxes, with some also having butchers, delis, and bakeries.

As pollution around the world has increased buying food 0n the road side unadvisable. Whetherin charge of a small individually owned grocery store or one that is part of larger chain maintaing a grocery store successfully involves considerable responsibility.

Grocery store managers must ensure that the store runs smoothly that items are priced comparatively and that customers are satisfied**.**

LITERATURE REVIEW

Various studies have identified the problems they faced when setting up a restaurant. During theassessment of the current system, the following concerns were discovered:

A. Putting orders for customers who come to the restaurant, reviewing the menu items available, picking the appropriate things, placing the order, and paying. This method requires manual labour and time for the customer.

B. When a customer wants to order by phone, the customer is unable to see a visual copy of the menu available at the restaurant, this also has no guarantee that the order has been placed on the appropriate menu items. Every restaurant needs someone or someone to take the order in person or by phone, to give the customer a rich feel and even consider payment.

C. The main difference between the online ordering of food and dining at the environmental restaurantaround us. If one person eats at home or does not feel the change in nature and relaxes. But comfort is the highest level of online food that is removed.

When eating out — a luxury restaurant with good design and bright music that place offers betterrelaxation than anything

Various research papers, articles and patents have been studied before embarking on methodology.In one technical paper the slope unique and min confusion algo have been proposed for item-item collaborative filtering in the grocery recommendation system.

In another one paper, the prediction of a recommendation system by means of suggestion regulation withdrawal and analyzing past orders of customer and mapping the selected item with similar item is achieved. Likewise, in random walk algorithm thevigorous of a page or an item is chosen by the probability that the item will be decided.

Also, in the patents and there commendation systems are produced by taking into account users interests and past history of item viewing while recommending items. In this systems, the item to item mapping occurs and by using set of tables the item to item mapping is achieved.

Thus, in the literature survey variousalgorithms and methods related to recommendation systems were studied and based on that methodology isprepared.

This section presents an indication of the traineeships and commercial intelligences related to shoppers' grocery shopping conclusion making development, in together off and operational selling channels.

The resolved was to get a universal review of grocery shop, in what relates to this thesis andsubsequent questions, and as such the focus relies mostly on the decisional phase and influencing pre- decisional of the grocery shopper decision making process.

On the origin of outcome of the literature review performed ,a conceptual framework that guided the design and performance of the empirical studies, aiming at providing answers to the proposed research questions, is also presented.

PROPOSED SYSTEM

The simulation first starts with the admin entering his/her credentials (ID and password).

Once that has been verified, the admin can access the main admin panel where he/she can edit the categories, the food items as well can view the orders placed and reservations made.

Now we get a window that displays the order number, customer ID, food name, price and quantity. Once the customer finalizes his/her order, they are asked to enter their name, address and other contact details where the total price is displayed and the customer can clickthe 'order now' button to get a message of confirmation of order.

Once you enter the admin portal, you get the option of adding food, deleting food or updating food.

Any option of choice leads you to the food menu. Once the selected operation is carried out, the end result, i.e, the added food or the updated food list is displayed and if you have deleteda food, that particular food disappears from the main menu on the website which will be visibleto the customer.

CHAPTER 3

REQUIREMENT ANALYSIS

3.1 METHODOLOGY FOLLOWED

The steps followed to do this project are:

1. Collection of dataset.
2. Understanding features of dataset.
3. Pre-processing the data.
4. Split data into training dataset and testing dataset.
5. Improving results

3.2 FUNCTIONAL AND NON FUNCTIONALREQUIREMENTS

FUNCTIONAL:

The functional requirement define the system or the components of the system. A function is basically inputs, behaviors and outputs. Stuff that can be called functional requirements are: calculations, technical details, data manipulation and processing. It tells us what a system is supposed to do.

Here, the system has to perform the following tasks:

- Understand all the features as well as the data provided in the dataset.
- Map the data in the dataset with the given input data. Find patterns, if any, with boththe dataset as well as input data.
- Provide the percentage accuracy of the proposed prediction.

NON FUNCTIONAL:

A non-functional requirement is a requirement gives the criteria that can be used to judge how well a system can function. It comes under system/requirements engineering. It gives a judgement on the overall unlike functional requirements which define specific behavior or functions. Functional requirements are implemented by using the system design whereas system architecture is what is used for implementing the non-functional requirements.

Non-functional requirements are also called constraints. Some of the quality attributes are as follows:

1.0ACCESSIBILITY:

Accessibility is a term that is used to describe if a product or software is accessible to the public and how easily can it be accessed.

1.1MAINTAINABILITY:

Maintainability tells us how easily a software or tool or system can be modified in order to:

- Correct defect
- Meet new requirements

Different programming languages can be used to make the predictive model based on the programmer's wishes. The datasets can also be modified and new data can be added as and when the data is updated by doctors.

1.2 SCALABILITY:

The system can work normally under situations such as low bandwidth and huge datasets. TheR studio as well as Excel can take care of these data and can perform the algorithms with ease.

1.3 PORTABILITY:

Portability is a feature which tells us about the ease at which we can reuse an existing piece of code when we move from one location or environment to some other.

1.4 HARDWARE REQUIREMENTS

Processor	: 64bit Processor 1.70GHz
RAM	: 4GB
Hard Disk	: 10 GB
Input device	: Standard Keyboard and Mou

SOFTWARE REQUIREMENTS

- Operating System : Windows (8,7,10,11) [Anyone]
- Technology : Asp.net, C#, CSS, Java Script
- Documentation : MS Word

Feasibility Study

Feasibility Study

After responsibility the plan Online Grocery System, study and investigating all the current or compulsory functionalities of the organization, the next job is to do the viability study for the project. All plans feasible – given limitless resources and immeasurable time.

All the conceivable ways to deliver a solution to the given problem are find by feasibility study. This planned answer would please all the worker need and must be flexible plenty so that future vicissitudes can be simply done founded on the future imminent supplies.

Economic feasibility

This is very important aspects to be considered while developing a project. We decided the technology for our project founded on smallest conceivable charge influence.

- Entirely tools and system fee obligates to be done by developer.
- Completely we have projected that the benefits the creator is going to receive from the planned system will surely dazed the initial prices and the later on organizational cost for system.

Technical Feasibility

The technical feasibility education contains study of function, presentation and restraints that may move the ability to achieve a suitable system. For this possibility study, we deliberate whole functionality to be in the organization, as labelled in the System Obligation Specification (SOS), and checked if the whole thing was possible using the different types of frontend and backend podiums.

Operational Feasibility

This planned system is fully GUI grounded that is very user responsive and all inputs to be occupied all self even to a layman.

In addition , a proper exercise has been conducted to knowing core of the system to the operators so that they feel relaxed with new system initial. As far our study is apprehension the users are relaxed and happy as thestructure has cut down their tons and doing.

CHAPTER 4

Design And Implementation

The implementation of the website is done in **Asp.net, C#, CSS, Java Script** and the datasets are stored in the **SQL Server** SQL database as well as in the Admin Panel which can only be accessed by the registered Admin. We have developed a web-based data management system.

A PC or laptop with a browser and internet connection, and the XAMPP control panel, is required for our website.

For the initial implementation of the website we have considered a few restaurants in our datasets. Implementation of our system consists of a real time feedback system where once the customer placesan order or makes a reservation at a home restaurant, the admin will be able to see the order or reservation that the customer has made on the food ordering website and can manage them easily.

The entire programming of the website is done on Sublime Text Editor and Microsoft Visual StudioCode, and for that we have used Google Chrome as the browser of choice. For creating the database,we have used PhpMyAdmin, which was possible only because of the xampp control panel installed on our system

4.1.1 DESIGN GOALS

Under our model, the goal of our project is to create a design to achieve the following:

4.2 ACCURACY

Only accurate outcomes can help make this model a good one. It can be reliable only whenall the outcomes are correct and can be trusted.

4.2 EFFICIENCY

The model should be efficient as there is no requirement of manual data entry work or any work by customers. It takes less time to predict outcomes.

4.4 SYSTEM ARCHITECTURE

First, we created the front-end of the website where we have given our own logo which was designed on Canva and we have focused more on the CSS to make our website stand out. Then wecreated the database in Mysql to get started with the backend of our website which was very muchnecessary as it would help us store all the details from the front-end into the backend of our websiteand also help with the responsiveness of our project. And last but not the least, we created the AdminPanel of our management system which was the most important part as it would store all the detailsthat were being entered into the website by the customer and also help the admin to manage the food items, categories, orders and reservations made.

4.5 SYSTEM ARCHITECTURE

First, we created the front-end of the website where we have given our own logo which was designed on Canva and we have focused more on the CSS to make our website stand out.

Then wecreated the database in Mysql to get started with the backend of our website which was very muchnecessary as it would help us store all the details from the front-end into the backend of our websiteand also help with the responsiveness of our project.

And last but not the least, we created the AdminPanel of our management system which was the most important part as it would store all the detailsthat were being entered into the website by the customer and also help the admin to manage the food items, categories, orders and reservations made.

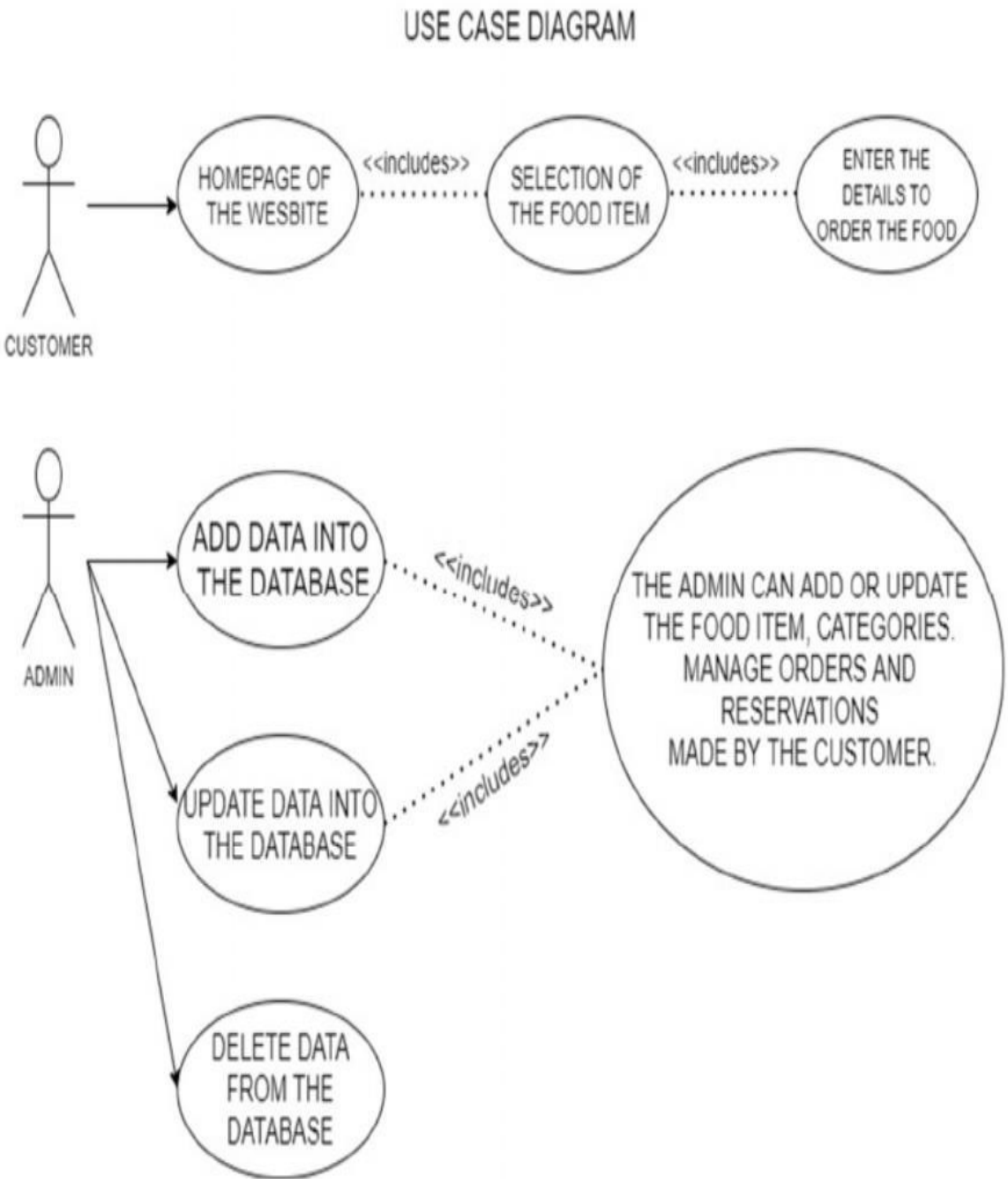

Fig 4.1 Use Case Diagram

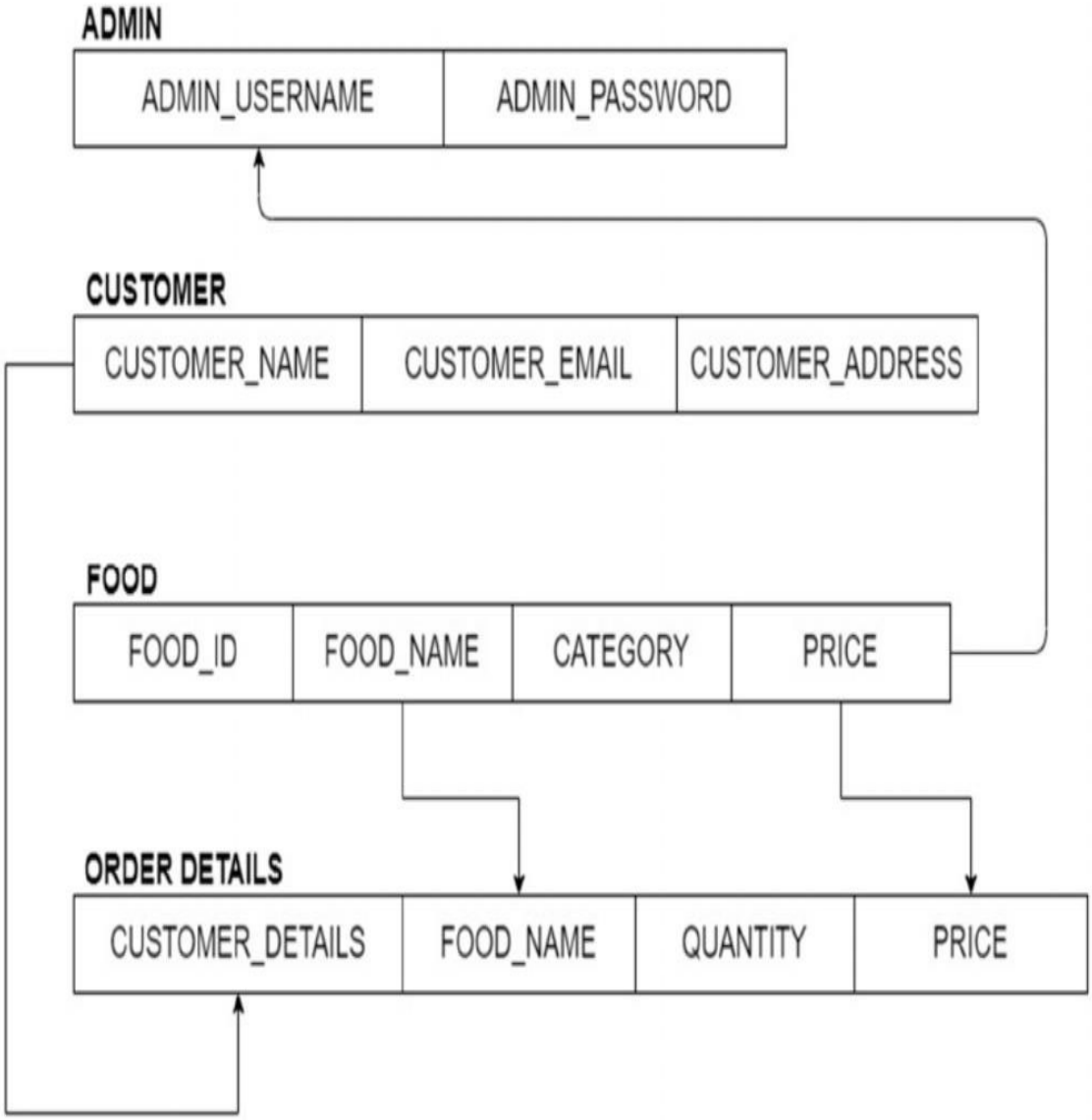

Fig 4.2 Entity Relationship Diagram

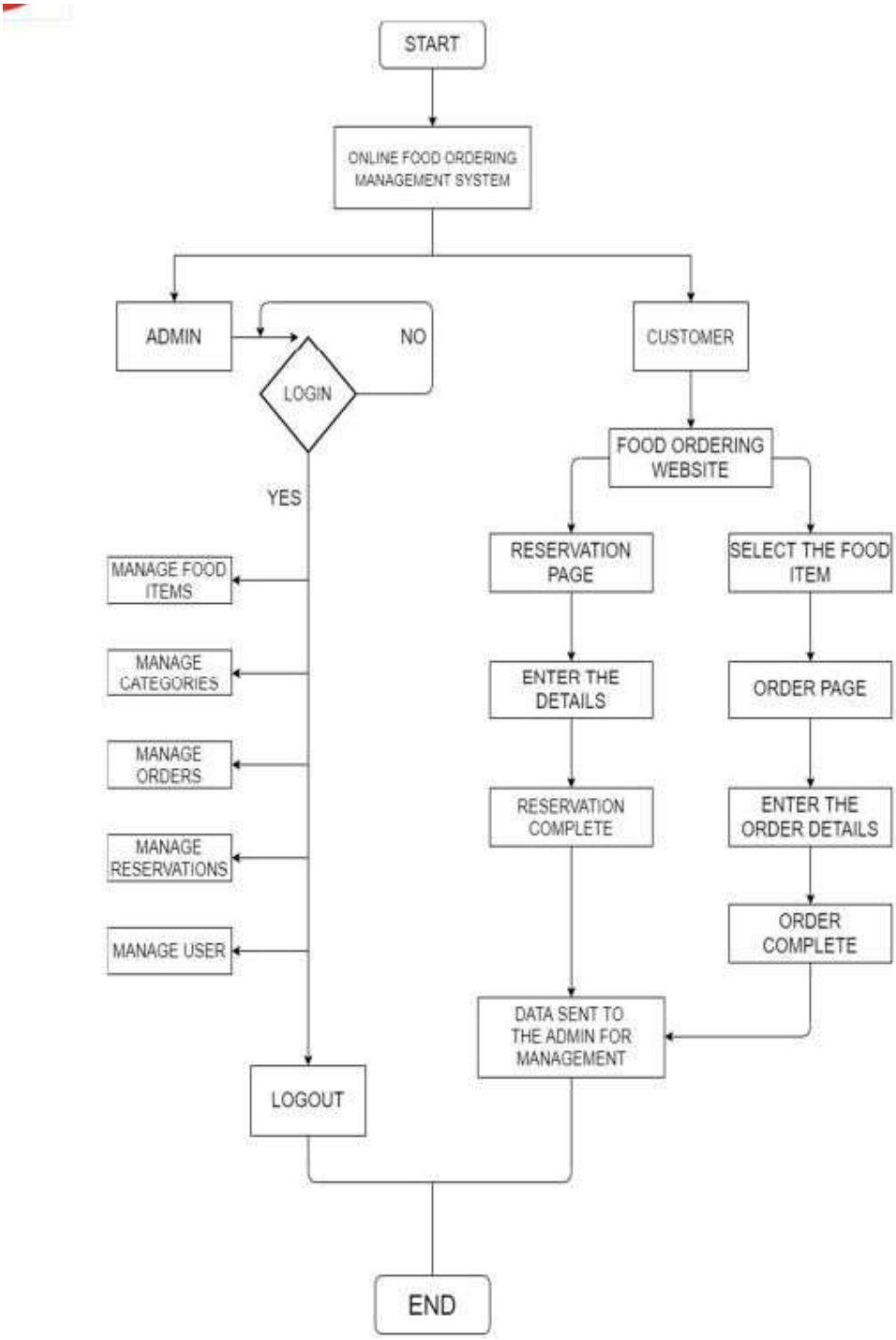

Fig 4.3 Flowchart

System Module:

- Login: Admin can choose his own username and password. After logging into the system, they can provide username or the password to other unauthorized users.

- Order: The order from the dealer is taken through phone and the products; quality is entered by an employee. After that it resolve be saved in the database and a crystal account will have produced for billingpurpose.

- Stock: After trade, the products will be directed to the stock. In the stock unit we can get the total quantity of products available.

- Payment: Configurable to permit and charge, or authorize only and on conception of invoices. Cash ondelivery available.

- Customer: Check the all products and give order of products. Check order status and see recently add cart products.

- Product: Detail information about product which is provided by admin.

DATABASE DESIGN

Databases can be compared to a complex digital cabinet. That is what can help us organize all or most of the information throughout our app. We completely control the installation, modification, and deletionof our database. Tables, which can be viewed as file references, generate details.

Tables are lines of information that can be considered as separate pages within a file folder. We will addnew entries to that database each time a fee is charged, just as we can add other pieces of paper to our file folder. Our database contains the amount of data, such as an item of food, category, and customer id, customer name, placed order, etc.

We will be able to collect, store, modify and evaluate data in our web application because of the database. We have the ability to access the information stored in our database.

EXPECTED OUTCOME

Main Objectives:

- To workshop while in the luxury of your own home, without having to period out of the door.
- Sell at lesser rate due to a lesser amount of overhead, provide home delivery free of cost.

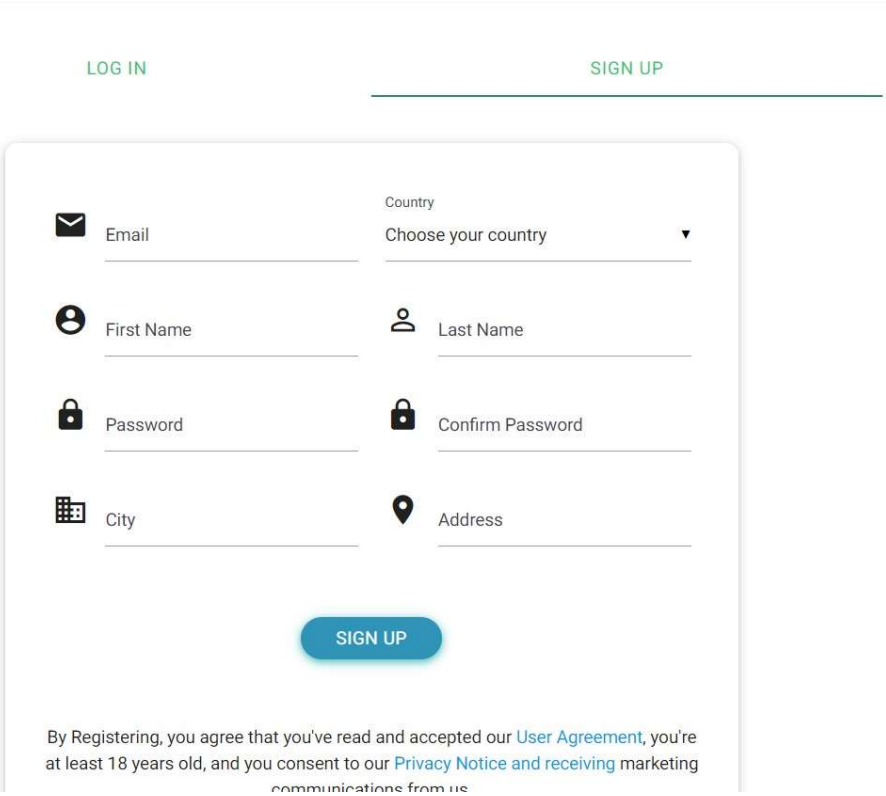

Fig 4.4 Sign Up

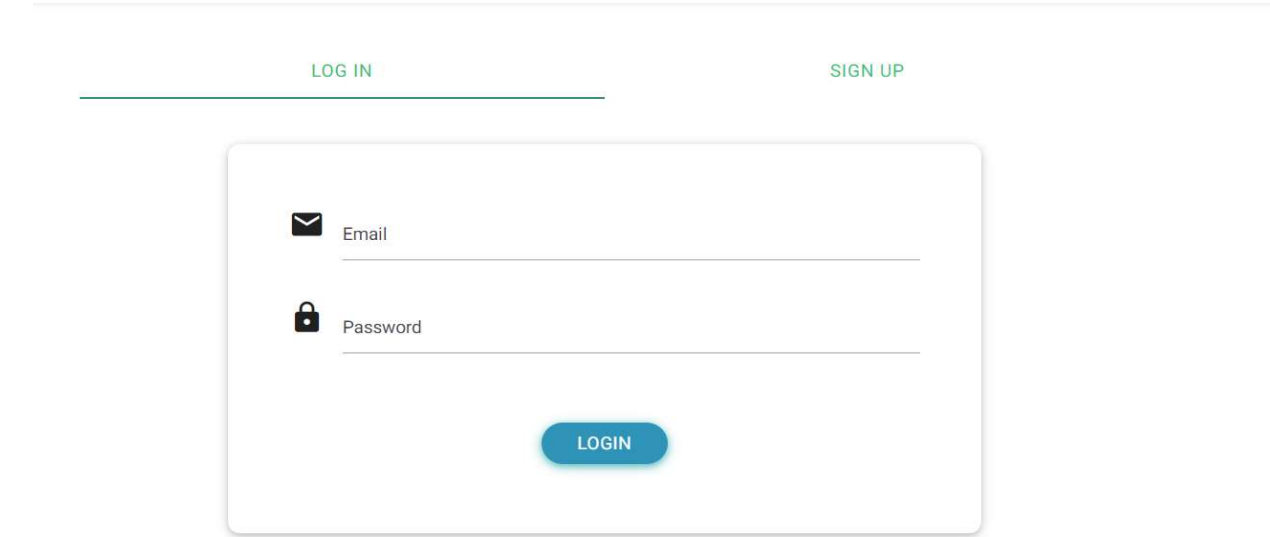

Fig 4.5 Log in

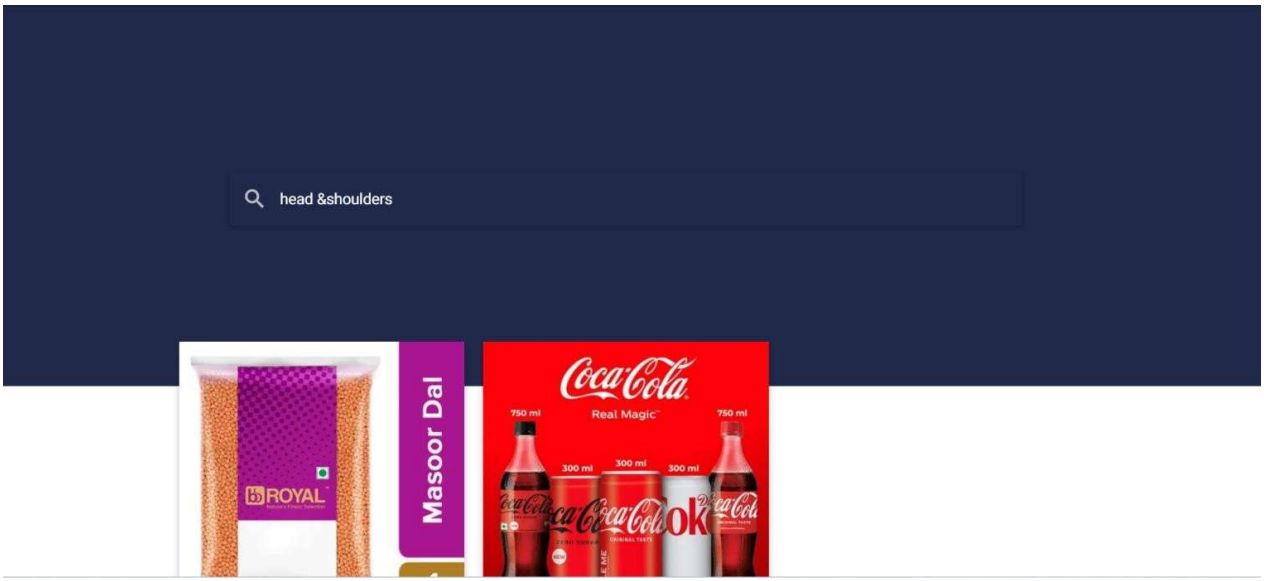

Fig 4.6 Products

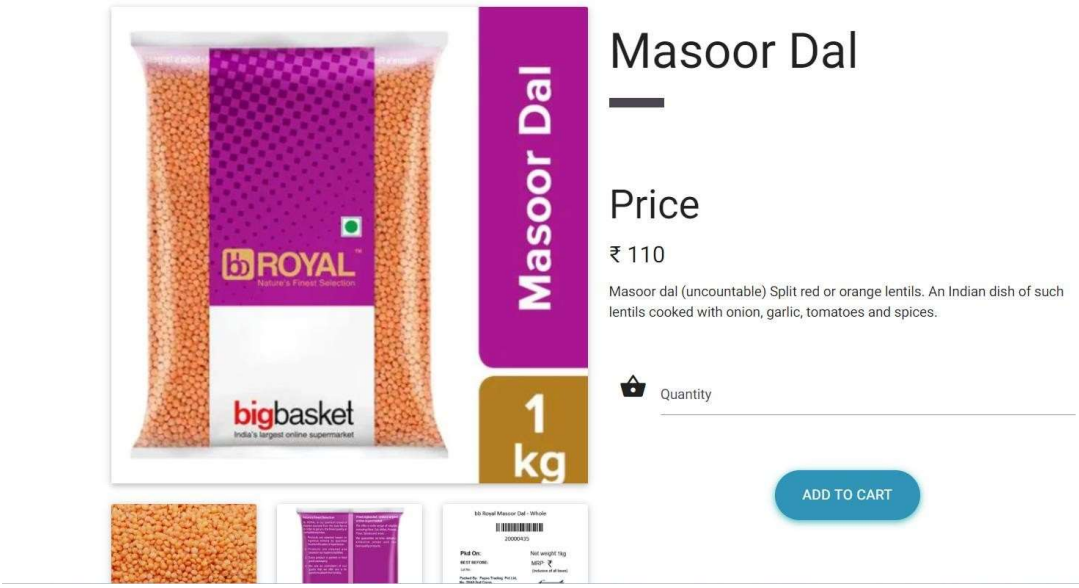

Fig 4.7 Products

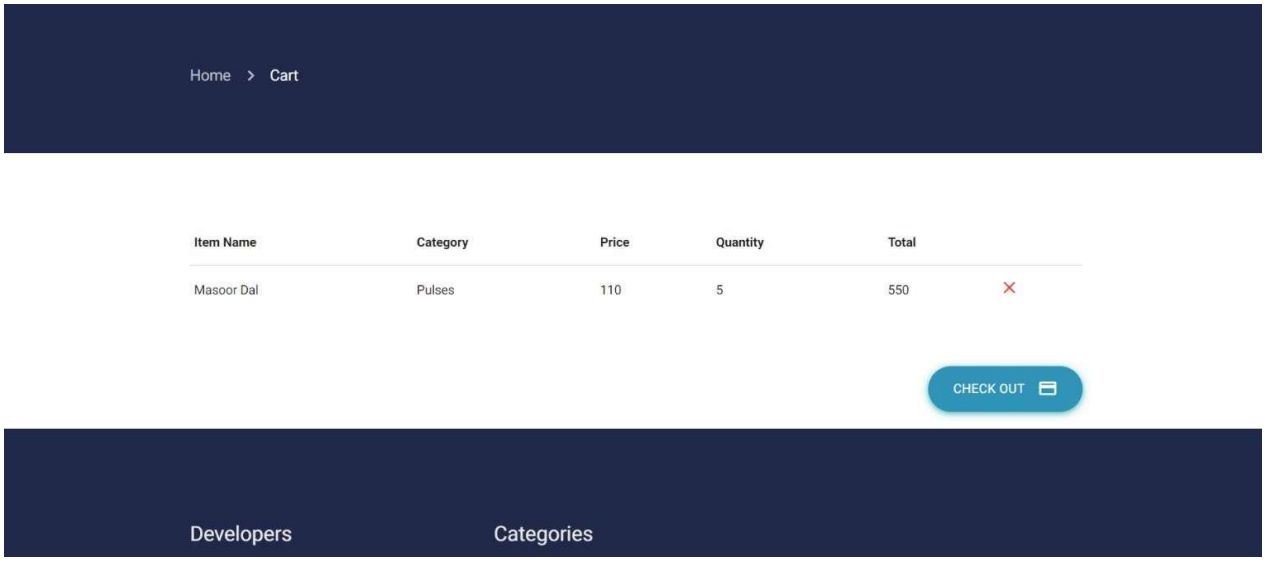

Fig 4.8 Checkout

CHAPTER 5

CODING

Module wise code

Login-

```
@model GroseryStoreProjectMVC.Models.TblRegitrtation @{
ViewBag.Title = "Login";
}
<center>
@using (Html.BeginForm("Login", "Home"))
{
<br />
<br />
<br />
<br />
<br />
<table borger="1" backColor="Yellow">
<tr>
<td colspan="2" align="center"><h2>Sign In</h2></td>
</tr>
<tr>
<td>@Html.LabelFor(m => m.email)</td>
<td>@Html.TextBoxFor(m => m.email)</td>
</tr>
<tr>
<td>@Html.LabelFor(m => m.pass)</td>
<td>@Html.TextBoxFor(m => m.pass)</td>
</tr>
<tr>
<td colspan="2" align="center">
<input type="Submit" value="Login" />

</td>
</tr>
</table>
<br />
<br />
<br />
<br />
```

```
<br />
}
</center>
```

Registration-

```
@model GroseryStoreProjectMVC.Models.TblRegitrtation@{
ViewBag.Title = "Registration";
}
```

```
<center>
@using (Html.BeginForm("Booking", "Home", FormMethod.Post))
{
<center>
<table border="3" bgcolor="Yellow" width="400px" height="250px">
<tr>
<td colspan="2" align="center"><h2>Sig Up</h2></td>
</tr>
<tr>
<td>First Name</td>
<td align="center">@Html.TextBoxFor(m => m.firstName, "{0:#.#}")</td>
</tr>
<tr>
<td>last Name</td>
<td align="center">@Html.TextBoxFor(m => m.lastName)</td>
</tr>
<tr>
<td>Gender</td>
<td align="center">@Html.TextBoxFor(m => m.gender)</td>
</tr>
<tr>
<td>Mobile</td>
<td align="center">@Html.TextBoxFor(m => m.mobile)</td>
</tr>
<tr>
<td>Password</td>
<td align="center">@Html.TextBoxFor(m => m.pass)</td>
</tr>
<tr>
<td>Confirm Password</td>
<td align="center">@Html.TextBoxFor(m => m.pass)</td>
</tr>
```

```
<tr>
<td colspan="2" align="center">
<input type="submit" name="btrSubmit" value="Conform" bgcolor="Green" />
</td>
</tr>
</table>
</center>
}
</div>
<b>@ViewBag.saveresult</b>
</center>

@{
ViewBag.Title = "Product";
}

<div class="w3ls_w3l_banner_nav_right_grid">
<h3>Popular Brands</h3>
<div class="w3ls_w3l_banner_nav_right_grid1">
<h6>food</h6>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
<div class="snipcart-item block">
<div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/5.png" alt=" " class="img-responsive" /></a>
<p>knorr instant soup (100 gm)</p>
<h4>30 <span>50</span></h4>
</div>
<div class="snipcart-details">
<form action="" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
```

Product-

```
<input type="hidden" name="item_name" value="knorr instant soup" />
<input type="hidden" name="amount" value="3.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                    </div>
                                                                                </figure>
</div>
</div>
```

```
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                        <div class="snipcart-item block">
                                          <div class="snipcart-thumb">
          <a href="single.html"><img src="~/Content/images/6.png" alt=" " class="img-responsive"
/
>
<
/
a
>
                                <p>chings noodles (75 gm)</p>
                                <h4>50 <span>80</span></h4>
                                </div>
                                <div class="snipcart-details">
                                <form action="#" method="post">
                                <fieldset>
                                <input type="hidden" name="cmd" value="_cart" />
                                <input type="hidden" name="add" value="1" />
                                <input type="hidden" name="business" value=" " />
                                <input type="hidden" name="item_name" value="chings noodles" />
                                <input type="hidden" name="amount" value="5.00" />
                                <input type="hidden" name="discount_amount" value="1.00" />
                                <input type="hidden" name="currency_code" value="USD" />
                                <input type="hidden" name="return" value=" " />
                                <input type="hidden" name="cancel_return" value=" " />
                            <input type="submit" name="submit" value="ADD TO CART" class="button" />

</fieldset>
</form>
```

```
</div>
</div>
</figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
<div class="snipcart-item block">
<div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/7.png" alt=" " class="img-responsive" /></a>
<p>lahsun sev (150 gm)</p>
<h4>30 <span>50</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="lahsun sev" />
<input type="hidden" name="amount" value="3.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
</div>
</figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
```

```
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                        <div class="snipcart-item block">
                                          <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/8.png" alt=" " class="img-responsive" /></a>
<p>premium bake rusk (300 gm)</p>
<h4>50 <span>70</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="premium bake rusk" />
<input type="hidden" name="amount" value="5.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                                    </div>
                                                                                                </figure>
</div>
</div>
</div>
</div>
<div class="clearfix"> </div>
</div>
<div class="w3ls_w3l_banner_nav_right_grid1">
<h6>vegetables & fruits</h6>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                        <div class="snipcart-item block">
                                          <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/9.png" alt=" " class="img-responsive" /></a>
<p>fresh spinach (palak)</p>
<h4>20 <span>30</span></h4>
```

```
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="fresh spinach" />
<input type="hidden" name="amount" value="2.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                                    </div>
                                                                                                </figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                                <div class="snipcart-item block">
                                                  <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/10.png" alt=" " class="img-responsive" /></a>
<p>fresh mango dasheri (1 kg)</p>
<h4>50 <span>80</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="fresh mango dasheri" />
<input type="hidden" name="amount" value="5.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
```

```
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                                                    </div>
                                                                                                                </figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="tag"><img src="~/Content/images/tag.png" alt=" " class="img-responsive" /></div>
<div class="agile_top_brand_left_grid1">
<figure>
                                                <div class="snipcart-item block">
                                                  <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/11.png" alt=" " class="img-responsive" /></a>
<p>fresh apple red (1 kg)</p>
<h4>60 <span>80</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="fresh apple red" />
<input type="hidden" name="amount" value="6.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                                                    </div>
                                                                                                                </figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
```

```
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                        <div class="snipcart-item block">
                                          <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/12.png" alt=" " class="img-responsive" /></a>
<p>fresh broccoli (500 gm)</p>
<h4>40 <span>60</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="fresh broccoli" />
<input type="hidden" name="amount" value="4.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                                    </div>
                                                                                                </figure>
</div>
</div>
</div>
</div>
<div class="clearfix"> </div>
</div>
<div class="w3ls_w3l_banner_nav_right_grid1">
<h6>beverages</h6>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                        <div class="snipcart-item block">
                                          <div class="snipcart-thumb">
            <a href="#"><img src="~/Content/images/13.png" alt=" " class="img-responsive" /></a>
```

```
<p>mixed fruit juice (1 ltr)</p>
<h4>30 <span>40</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="mixed fruit juice" />
<input type="hidden" name="amount" value="3.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                                    </div>
                                                                                                </figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="agile_top_brand_left_grid_pos">
<img src="~/Content/images/offer.png" alt=" " class="img-responsive" />
</div>
<div class="agile_top_brand_left_grid1">
<figure>
                                            <div class="snipcart-item block">
                                              <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/14.png" alt=" " class="img-responsive" /></a>
<p>prune juice - sunsweet (1 ltr)</p>
<h4>40 <span>50</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="prune juice" />
<input type="hidden" name="amount" value="4.00" />
<input type="hidden" name="discount_amount" value="1.00" />
```

```
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                    </div>
                                                                                  </figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
<div class="hover14 column">
<div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
<div class="tag"><img src="~/Content/images/tag.png" alt=" " class="img-responsive" /></div>
<div class="agile_top_brand_left_grid1">
<figure>
                                    <div class="snipcart-item block">
                                      <div class="snipcart-thumb">
<a href="#"><img src="~/Content/images/15.png" alt=" " class="img-responsive" /></a>
<p>coco cola zero can (330 ml)</p>
<h4>30 <span>50</span></h4>
</div>
<div class="snipcart-details">
<form action="#" method="post">
<fieldset>
<input type="hidden" name="cmd" value="_cart" />
<input type="hidden" name="add" value="1" />
<input type="hidden" name="business" value=" " />
<input type="hidden" name="item_name" value="coco cola can" />
<input type="hidden" name="amount" value="3.00" />
<input type="hidden" name="discount_amount" value="1.00" />
<input type="hidden" name="currency_code" value="USD" />
<input type="hidden" name="return" value=" " />
<input type="hidden" name="cancel_return" value=" " />
<input type="submit" name="submit" value="Add to cart" class="button" />
</fieldset>
</form>
</div>
                                                                                    </div>
                                                                                  </figure>
</div>
</div>
</div>
</div>
<div class="col-md-3 w3ls_w3l_banner_left">
```

```
    <div class="hover14 column">
      <div class="agile_top_brand_left_grid w3l_agile_top_brand_left_grid">
        <div class="agile_top_brand_left_grid_pos">
          <img src="~/COntent/images/offer.png" alt=" " class="img-responsive" />
        </div>
        <div class="agile_top_brand_left_grid1">
          <figure>
                <div class="snipcart-item block">
                  <div class="snipcart-thumb">
                  <a href="#"><img src="~/Content/images/16.png" alt=" " class="img-responsive" /></a>
                  <p>sprite bottle (2 ltr)</p>
                  <h4>30 <span>40</span></h4>
                </div>
                <div class="snipcart-details">
                  <form action="#" method="post">
                    <fieldset>
                      <input type="hidden" name="cmd" value="_cart" />
                      <input type="hidden" name="add" value="1" />
                      <input type="hidden" name="business" value=" " />
                      <input type="hidden" name="item_name" value="sprite bottle" />
                      <input type="hidden" name="amount" value="3.00" />
                      <input type="hidden" name="discount_amount" value="1.00" />
                      <input type="hidden" name="currency_code" value="USD" />
                      <input type="hidden" name="return" value=" " />
                      <input type="hidden" name="cancel_return" value=" " />
                      <input type="submit" name="submit" value="Add to cart" class="button" />
                    </fieldset>
                  </form>
                </div>
                    </div>
                  </figure>
        </div>
      </div>
    </div>
  <div class="clearfix"> </div>



</div>
```

Purpose

Online grocery shopping attempts to enhance admittance to care and improve the continuousness and good organization of services. Depends on the particular setting and local case executives are responsible for a diversity of tasks, position from linking clients to the services to really providing intensive shop and delivery facilities themselves.

Main Objectives:

- workshop while in the luxury of your own home, without having to period out of the door.
- Sell at lesser rate due to a lesser amount of overhead.
- Provide home delivery free of cost.
- It saves time.
- No unwanted luxury purchase.
- Comparision.
- Find everything you need.
- You can't personally look at items.
- Delivery can be a challenge.
- An extraordinary online shopping experience with your customers.
- End-to-end managed software for your safety and convenience.
- Easily customizable software to meet your requirements.
- Efficient and faster deliveries to your customer's delight.
- Multi-channel platforms for every stakeholder for effective communication.
- A centralized dispatch dashboard to monitor fleet operations.
- Ensures full visibility by real-time tracking of delivery agents and order status.
- Advanced automated scheduling and optimized routing to the nearest delivery.
- Automated notifications and proof of deliveries for extreme customer .
- Make better business decisions by utilizing Tookan behavioral monitoring.

Future scop

In Future users can buy there identical products using mobile phones. This organization is very beneficial for both users and companies. This product has great future scope. Online grocery project established using web based technology and for Windows too future versions of environments. This project also delivers security by using a security credentials like user id as well as password, so that any illegal users cannot practice your account. The only Lawful person that will consume proper admittance authority can use the online grocery shopping software.

In this paper, we have done the analyze of the solutions available for the implementation of smart grocery system using IoTs. Smart grocery system using IoT is cost effective and user friendly system for customers. It not only helps to induce organized for grocery shopping, it additionally saves our time and money. With smart grocery system, one can be relax and stop worrying of continuously being in follow, and checking the grocery containers in our house.

We will get aleting about the low level of grocery and we can place order for particular object. This helps in simplicity of society and one step forward of making our city smart. Upcoming work or related work for smart grocery system is we can directly place order by android application in our smart phones, so developing an application to automatically placing order to grocery shops is further execution in this system.

The change is currently underway as consumers have started buying groceries online. Currently, it is one of the few sectors that is experiencing substantial growth. With much of our daily lives revolving around the internet, online grocery is wagered to be the next big industry for entrepreneurs.

By the time the Clippers game ends, the groceries are delivered at Sam and Angela's doorsteps. They didn't have to spend the afternoon at a local grocery store. They were able to utilize that time in other activities, without worrying about grocery shopping.

If we look at the online grocery industry analysis for the last year, online purchases of fresh groceries and consumer packaged goods enjoyed a 36% year-over-year growth spurt. This tremendous growth has exceeded all projections and expectations, triggering a race among entrepreneurs to launch their own eGrocery store.

CHAPTER 6

CONCLUSION

Finally, an online food ordering system is presented that may be used in small family-run eateries as well as locations such as college canteens, etc. his project has the potential to be scaled up in the future.

It is designed for restaurants to help them reduce their everyday management and operational tasks while also improving their customers' eating satisfaction. By offering relatively quality services, restaurant operators may also build strong customer connections.

The technology also allows the restaurant to see what foods are on sale in real-time and make modifications to their food and beverage inventory depending on orders submitted and orders processed.

The project entitled ' Online Grocery Management System ' is very convenient for the Computer Companies. This system is very convenient for customer or users to buy online computer products. It can be observe that the information can be obtained easily and accurately.

The online grocery shopping Software is made more user friendly to the users, so that anyone can run the software. Then this software provide permission to enter to the system via the login password credentials to the user who use this system This project manages all the details about Computer Products.

As we can see, online shopping may or may not be greener than traditional shopping. There are simply way too many factors that we have to consider in such a model.

As we focus on the costs of online shopping, it seems that online shopping is really detrimental for the environment.

Online shopping brings us great convenience, but it also encourages irresponsible consumption habits like exploiting the advantages of free returns and expedited shipping.

These add on to the existing pool of environmental problems that we are dealing with – global warming, wastes and pollution.

Therefore, we should change our attitude towards e-commerce to be more responsible, less exploitative and more for the environment.

REFERENCES

1. ^ "Grocer". Oxford English Dictionary (2nd ed.). 1989.
2. ^ [1] [dead link]
3. ^ "Tennessee History for Kids". Tnhistoryforkids.org. Documentation from the original happening 2015-02-
   23. Retrieved2015-03-06.
4. ^ "Piggly Wiggly Man". Time. 1929-02-25. Retrieved 2010-05-04.
5. ^ Jump up to: a b c d e f g h Fassler , Joe (2019-04-23). "The Man Who's Going to Save Your Neighborhood Grocery Store". Longreads. Retrieved 2019-05-01.
6. ^ Understanding Nourishment: Values and Groundwork, Amy Chocolate, ISBN 978-0538734981, 2013
7. ^ "Definition of delicatessen - Merriam-Webster's Student Dictionary". Wordcentral.com. 2012-09-20. Retrieved 2015- 03-06.
8. ^ Driscoll, Michael; Meredith Hamiltion; Marie Coons (May 2003). A Child's Introduction to Poetry. 151 West 19th Street New York, NY 10011: Black Dog & Leventhal Publishers. p. 12. ISBN 1-57912-282- 5.
9. ^ Jenkins, Nancy (1984-04-04). "Health Food And The Change In Eating Habits". The New York Times. Retrieved 2015-03-06.
10. ^ Xie, Kang (2004). A Strategic Analysis of Online Grocery and Its Future Outlook. Massachusetts Institute of Technology, Engineering Systems Division.
11. ^ Tam, Donna. "Shell who? Online grocer shows Amazon, Walmart how it's done". CNET. Retrieved 28 April 2014.
12. ^ "Online Grocery Shopping With Free Shipping". EFoodDepot.com. Retrieved 2015-03-06.
13. ^ "Online grocery growth tests U.S. retail agility". The City Wire. Archived from the original on 2014-06-27. Retrieved 28 April 2014.
14. ^ Cassel, Ian. "The Food Tech Revolution". Seeking Alpha. Retrieved 28 April 2014.
15. ^ Thomasson, Emma. "Online grocery sales to double in key European markets by 2016: IGD". Reuters. Retrieved 28 April2014.
16. ^ Wansink, Marketing Nutrition, 501–3.
17. ^ Pomeranz, J. L.; Adler, S. (2015). "Defining Commercial Speech in the Context of Food Marketing". Journal of Law,Medicine & Ethics. 43: 40–43. doi:10.1111/jlme.12213. PMID 25846162.
    18. ^ Smith, 501–3.
19. ^ Jump up to: a b Mead, 11–19.
20. ^ Jango-Cohen
21. ^ Benson
22. ^ Humphery
23. ^ Magd off, Fred (Ed.) "[T]he farmer's share of the food dollar (after paying for input costs) has steadily declined from about 40 percent in 1910 to less than 10 percent in 1990."
24. ^ Jump up to: a b "Food prices rising across the world", CNN. 24 March 2008
25. ^ "Annual real food price indices". Food and Agriculture Organization of the United Nations. Retrieved 19 March 2014.
26. ^ "Grocery Spending Survey". Stretcher.com. 2006-06-20. Retrieved 2014-04-22.
27. ^ [2] Archived March 17, 2007, at the Wayback Machine
28. ^ Kantor, p. 3.
    [1]