

GROCERY SHOP MANAGEMENT SYSTEM

GROUP MEMBERS

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Project Presentation Outline

2

- Abstract
- Introduction
- Problem Statement
- Survey of Existing Systems
- Project Objectives
- Requirement Analysis
- Solution Proposed
- Models and Diagrams
- The implementation
- Testing
- The Outcome discussion
- Conclusions and Limitations

Abstract

3

The purpose of Grocery Shop Management System 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. The required software and hardware are easily available and easy to work.

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.



Introduction

4

The Grocery Shop Management System has been developed to override the problems prevailing in the practicing manual system.

This software is supported to eliminate and in some cases reduce the hardships faced by this existing system.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No format knowledge is needed for the user to use this system. Thus by this all it proves It is user-friendly. Grocery Shop Management System , as described above, can lead to error free, secure, reliable and fast management system.

Every organization, whether big or small, has challenges to overcome and managing the information of the product , customer, product type, stock, supplier. Every Grocery Shop Management System has different customer needs, therefore we design exclusive employee management system that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level o information and details for your future goals.

The Problem Statement

5

To deliver an exceptional shopping experience by offering the best service, value, quality, and freshest products while being good stewards of our environment and giving back to the communities we serve.

Because of the dominance of national food brands, the products and pricing offered at stores and chains that compete with each other are usually indistinguishable. This is where a problem statement becomes important.

The problem statement of each major retail grocery store and supermarket chain accomplishes three things: It defines the brand, the culture, and the customer experience. Each mission, vision, and values statement is as unique as the shopping experience at the supermarket it represents.

Survey of Existing Systems

Modern Grocery mart project

A Project Report is not only essential for obtaining financial assistance from Bank Financial Institution/Funding Agency but also the most important document either to participate in the development schemes of MSME Sector/ Department of Industries or in completing various time consuming government formalities connected with planning and commercial operation of the proposed business project.

. Accordingly, following Project Templates has been deliberately left blank in order to facilitate customization by the perspective entrepreneurs based on personal requirements and furnish necessary information on actual basis.



Retail Business Plan On General Store

The main objective of this project is to give hands on experience of creating a detailed Business plan & what are the things include while making a business Plan. It is my pleasure to present this project work. This Project has expanded my horizon of knowledge in practical as well as theoretical, which is vital for management level students. Only the basic understanding of the principles of management is not sufficient but their application is also equally important.



Survey of Existing Systems

6

CROLIST

The common practice of generating a grocery list is by writing items to be bought on a piece of paper. Although the method has been used for ages; nevertheless, a paper grocery list could be easily contaminated by liquids and dirt, difficult in reading handwriting, and may be left at home or even misplaced.

The development in smartphones and mobile technology has been a solution to overcome the limitations in paper-based grocery lists where mobile apps can support the process of creating and managing grocery lists more conveniently and flexibly.

BIG bazar

Retail means selling goods and services in small quantities directly to the customer. Retailing consists all activities involved in marketing of goods and services directly to the consumers for their personal family and household use. The Indian retail market is the first position on the retail destination globally, has been ranked as the most attractive emerging market for investing in the retail sector by AT Kearney ninth annual global retail development index (GRDI) in 2010. With rising consumer demand and greater disposable income, the US\$400 billion Indian retail sector is clocking an annual growth rate 30 percent.



Objectives

7

- The main objective of the project in Grocery Shop Management System is to manage the details of Customer, Product, product company, product type, supplier. It manages all the information about customer, Stock, Supplier, Customer. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose is to build an application program to reduce the manual work for managing the customer, product, stock, product company. It tracks all details about the product company, product type, supplier.

Requirement Analysis

8

FUNCTIONAL REQUIREMENT

Functional requirements are product features or functions that developers must implement to enable users to accomplish their tasks. So, it's important to make them clear both for the development team and the stakeholders. Generally, functional requirements describe system behavior under specific conditions. For example:

The system sends an approval request after the user enters personal information.

A search feature allows a user to hunt among various invoices if they want to credit an issued invoice.

The system sends a confirmation email when a new user account is created.

NON-FUNCTIONAL REQUIREMENT

Nonfunctional requirements, not related to the system functionality, rather define how the system should perform. Some examples are:

The website pages should load in 3 seconds with the total number of simultaneous users <5 thousand.

The system should be able to handle 20 million users without performance deterioration.

Here's a brief comparison and then we'll proceed to a more in-depth explanation of each group.

FUNCTIONAL vs NONFUNCTIONAL REQUIREMENTS

	Functional requirements	Nonfunctional requirements
Objective	Describe what the product does	Describe how the product works
End result	Define product features	Define product properties
Focus	Focus on user requirements	Focus on user expectations
Documentation	Captured in use case	Captured as a quality attribute
Essentiality	They are mandatory	They are not mandatory, but desirable
Origin type	Usually defined by user	Usually defined by developers or other tech experts
Testing	Component, API, UI testing, etc. Tested before nonfunctional testing	Performance, usability, security testing, etc. Tested after functional testing
Types	External interface, authentication, authorization levels, business rules, etc.	Usability, reliability, scalability, performance, etc.

Solution proposed

9

TECHNOLOGY STACK

Front end: HTML, CSS, JavaScript

HTML: HTML is used to create and save web document. E.g. Notepad/Notepad++

CSS : (Cascading Style Sheets) Create attractive Layout

Bootstrap : responsive design mobile freindly site.

JavaScript: it is a programming language, commonly use with web browsers.

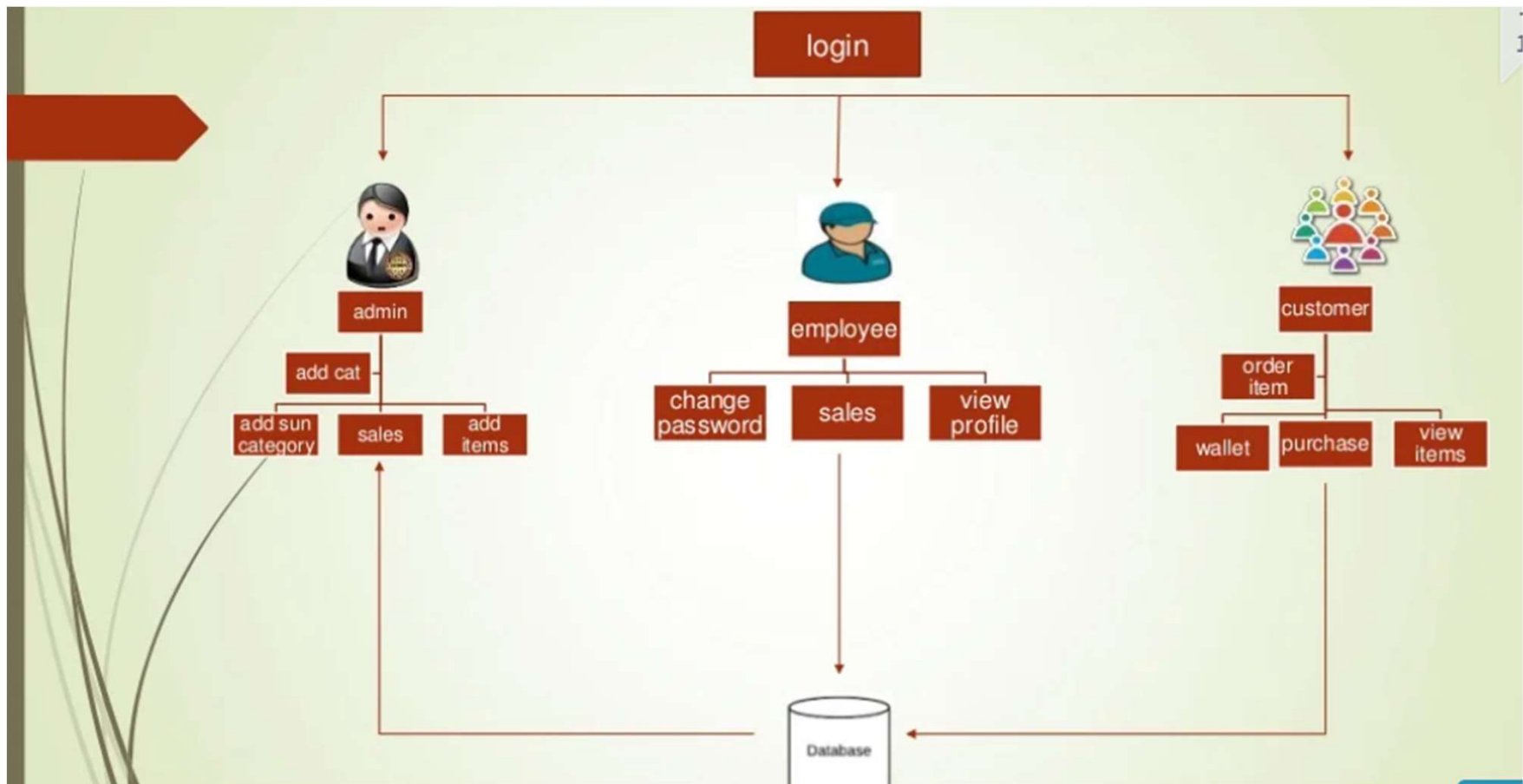
Back end: PHP, MySQL

PHP(version - 7.2): Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request. PHP is open source software.

MySQL: MySql is a database, widely used for accessing querying, updating, and managing data in databases.

Solution proposed

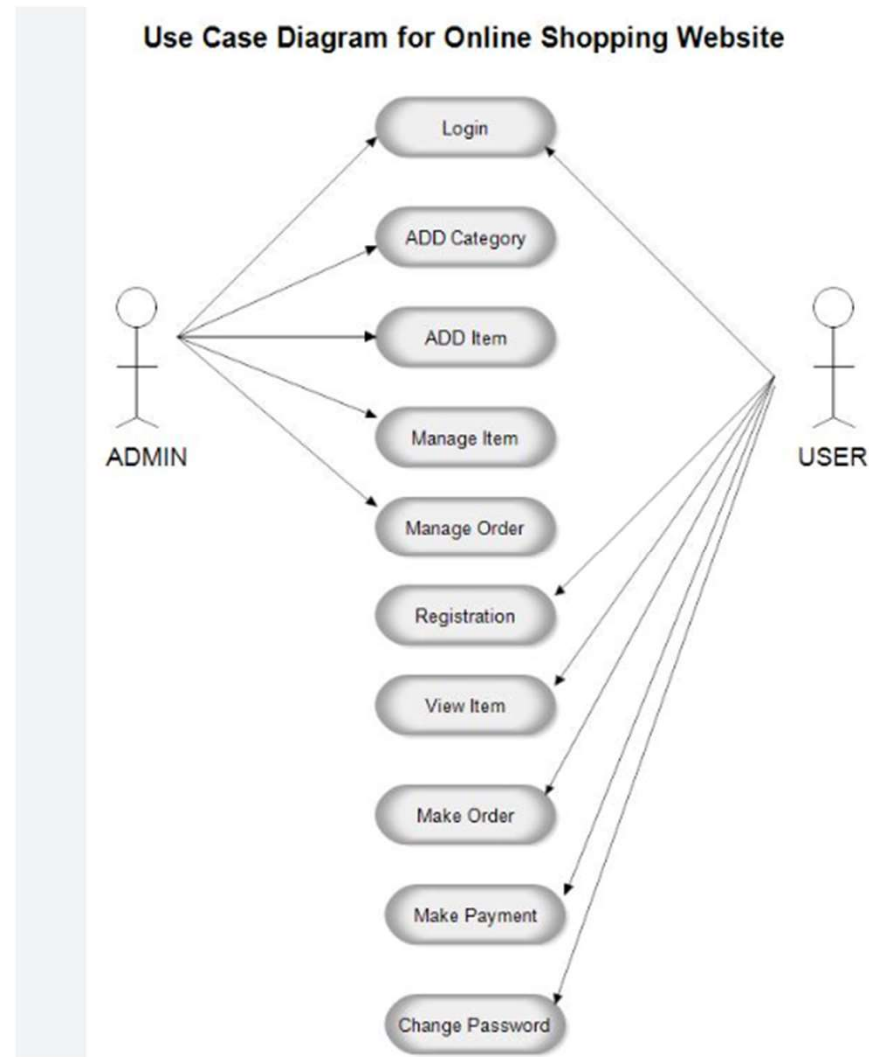
The method/technique applied for development of project



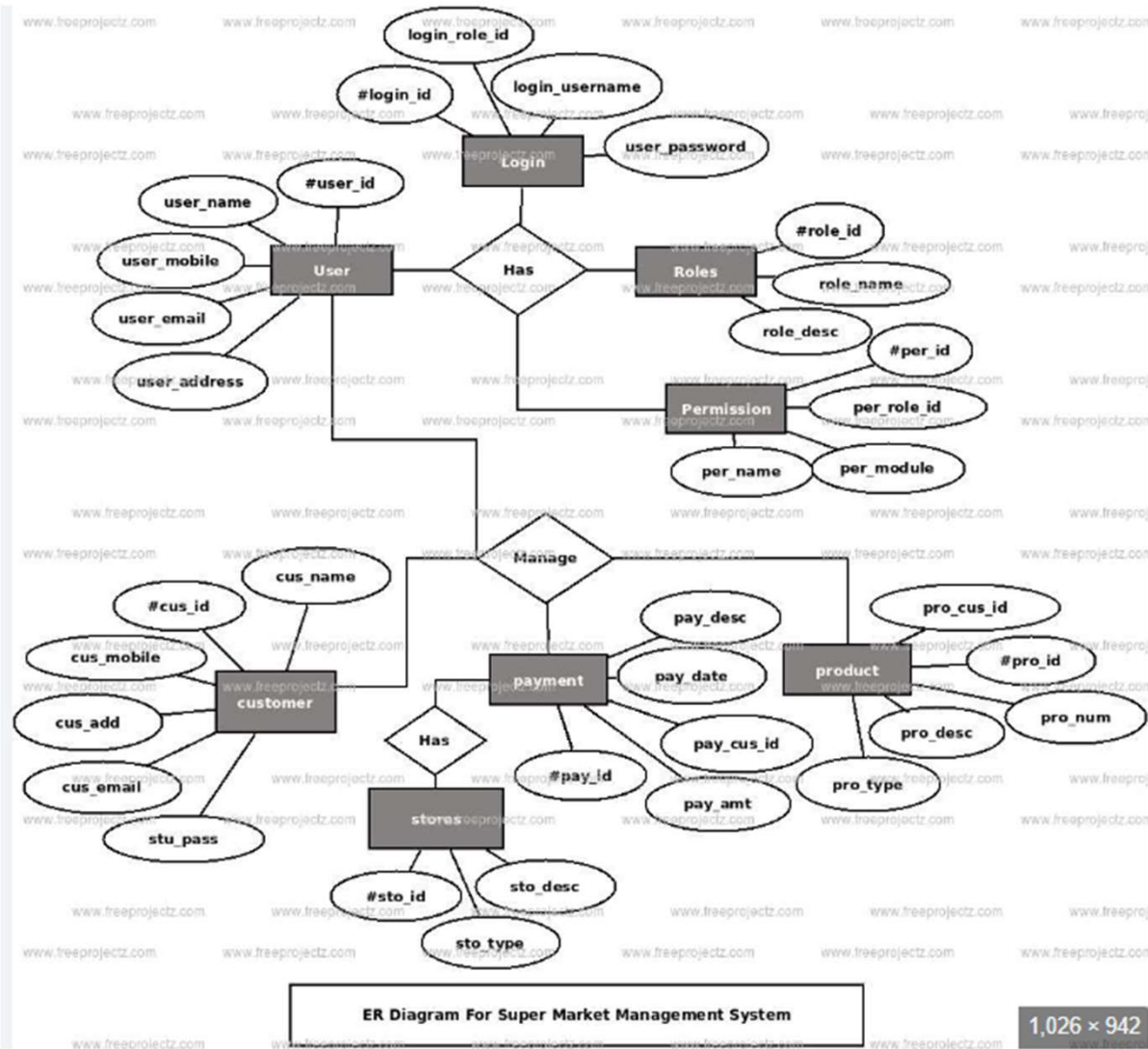
Models/Diagrams

10

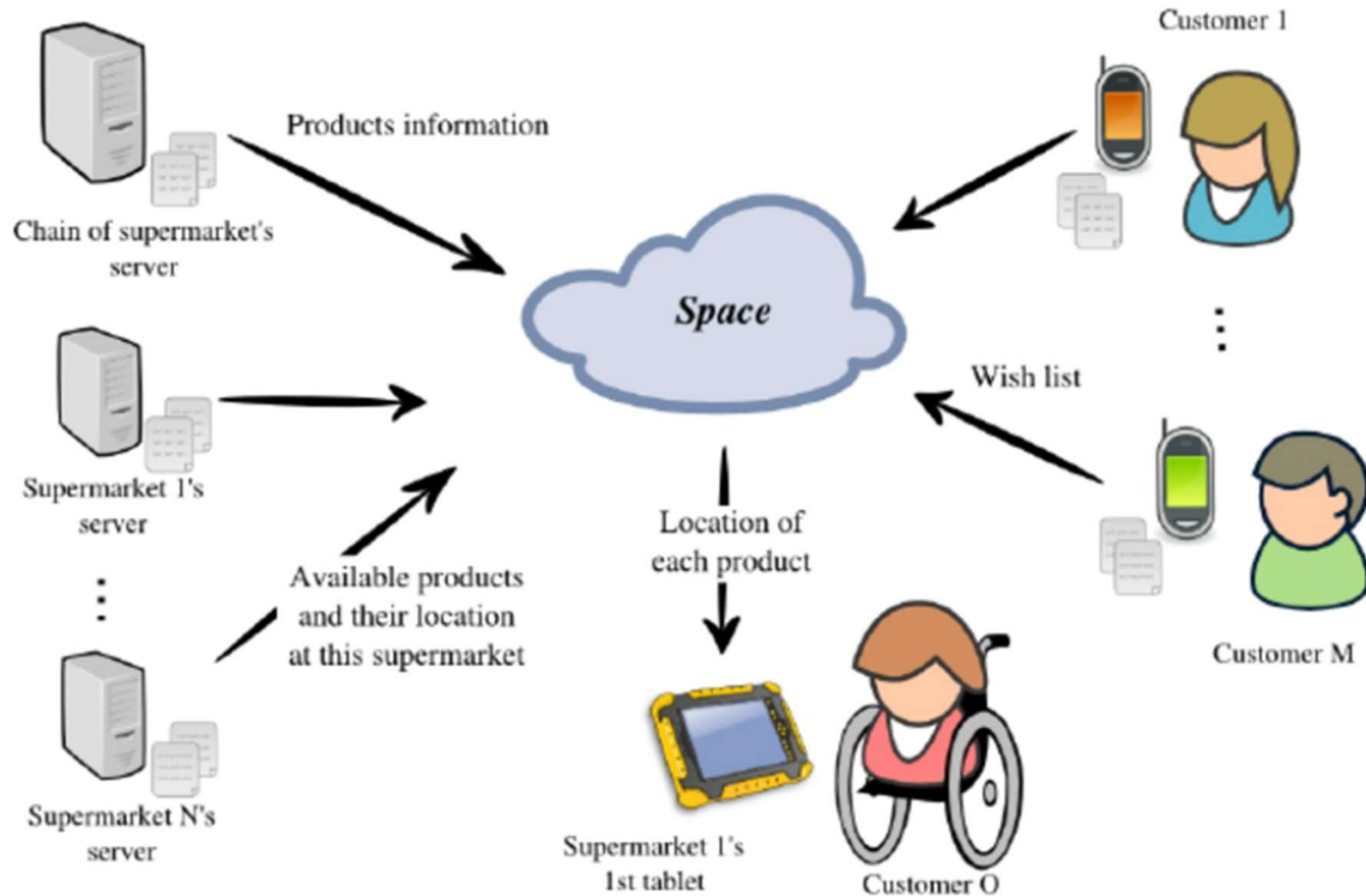
□ Use Case Diagram



ER Diagram



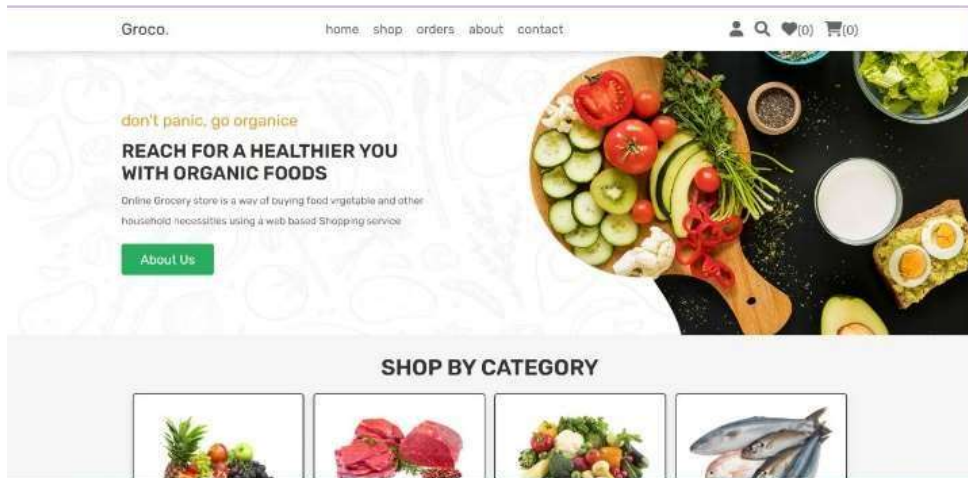
System Architecture



Implementation

11

The module of the Grocery management system is made of a combination of modules that work in collaboration with each other and make it beneficial to accomplish the main aim of the scheme.



Item Selection:

The user chooses the item from the interface he gets on the basis of different choice of filters like price, color, category, and much more he can add as many items he wants he may specify it as he wants and get the selected items done in the interface.

Implementation

Order:

The things which choose by the user then move to the order interface to get ordered by the user as he will see here the details of the final result to order the total and timings. He can remove any item if he wants.

Payment:

They may make payment online through their debit card they use this module to pay as the ticket shows the amount in the account of the owner of the bus. As he makes the payment the card becomes confirmed and ready to be used.

Staff assignment:

Admin assigns the team on the particular rack to pick the items as fast as they can their task is to pack the item fast and collect it to the central area where packing can be done properly and give the order to customers.

Implementation

Registration:

Users' information has to be compelled to be registered within the system thus on establish every one of them unambiguously and do the required group action as real potential. like on the name of the bill are issued. On the far side, this plenty of things require measure there wherever we will reference him.

Without registration, there are a few options and pages one user can see which are landing on the home page and taking the features to read but he won't be allowed to use those. For use, he will have to register. One person needs to put all the details correctly and precisely as it will be helpful in identifying them and believing that he is the real person who has booked for the same.

It also includes driver license for them who is driving and parameter too.



REGISTER NOW

enter your name

enter your email

enter your password

confirm your password

Choose File No file chosen


Register Now

already have an account? [login now](#)

Implementation

Login:

After registration one will register within the system because of the operator of the system either on behalf of the user. When this he has the different helpful interfaces accessible for any actions. Here either bride or groom both have to log in with their unique identity and passwords. After this, they will be directed to the primary user interface from where they have further options.



The image shows a login form titled "LOGIN NOW" centered on a light gray background. The form contains two input fields: "enter your email" and "enter your password". Below these fields is a green button labeled "Login Now". At the bottom of the form, there is a link that says "don't have an account? register now".

Implementation

Forgot password:

This is quite often that people tend to forget the password they keep for the login. So, this could be very tedious and hectic to recover the password manually in case if one needs to login in an emergency. So, to overcome this problem we have this module named as forgot the password, and using this module users can recover their password in seconds.

So here we need only to put our registered email Id and hit the enter. Then one confirmation email will go to the email where he may reset the password. In seconds one can use this module and get rid of the forgetting password problem.

Admin:

Admin has the official powers to control the flow of the data from one part of the system to the other. He can manipulate the access of the users to the data. The primary purpose of this account is to make the user data relevant and then giving the inputs to the other interface module and make it work optimistically and get the timetable according to the wish we want to create for a particular type of inputs.

Hence all the data will be reflected in clean and well data in the interfaces.

Testing/ Test Cases

12

Login:

Purpose:	The purpose of this test insure that the user can log in with his id to use this app.
Pre-Req:	The user enters his correct name and password for a successful login page.
Test Data:	sname, sid, spassword
Steps:	<p>The steps are below.</p> <ol style="list-style-type: none">1. visit Login Page2. enter UserId3. enter password4. click login5. recovery password6. change password7. keep login
Status:	Pass

Test Cases

Employ Records:

Purpose:	The purpose of this test for registered employ by his name, password, email, and mobile number for use this app and work on the app.
Pre-Req:	Employ sure that login with his name and id to use this app.
Test Data:	none (test is just visual test)
Steps:	<p>Step formatting rules below.</p> <ol style="list-style-type: none">1. enter employ name2. enter employ password3. enter employ email4. enter employ a mobile number
Status:	Pass

Test Cases

Category Record:

Purpose:	The purpose of this testing to insert, update, delete and view category.
Pre-Req:	The user enter category by its correct name.
Test Data:	Txtcatogaryname
Steps:	<p>Step formatting rules below.</p> <ol style="list-style-type: none">1. open the category form2. insert the category name of items3. update the category name of items4. delete the category name of items5. insert the category name of items6. view the category names7. Export the category records to MS Excel.
Status:	Pass

Test Cases

Customer Record:

Purpose:	The purpose of this testing to registered the new customer by his name, address, id number and phone number for sales items.
Pre-Req:	The user can easily search customer by name with all data.
Test Data:	Scustmrname, scsutmraddress, scustmrmblnumer, scustmremail
Steps:	<p>Step formatting rules below.</p> <ol style="list-style-type: none">1. automatically generate customer-id2. enter the customer name3. enter customer address4. enter customer id number5. enter customer city6. enter customer mobile number7. enter customer email
Status:	Pass

The Outcome discussion

13

- It generates the report on Customer, product, stock.
- Provide filter reports on product company, product type, supplier.
- You can easily export PDF for the customer, stock, product type.
- Application also provides excel export for product, product company, supplier.
- You can also export the report into CSV format for customer, product, supplier.

Conclusion and Limitation

14

The project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manager to make reasonable estimates made within a limited time frame at the beggning of the software project and should be updated regularly as the project progresses.

LIMITATION:-Excel export has not been developed for customer ,product due to some criticality.

The transactions are executed in offline mode,hence online data for product company, product type capture and modification is not possible.

Acknowledgment

15

We would like to extend our heartfelt gratitude to our Computer science and engineering department for providing us with this great opportunity to work on this project .We would also like to express our sincere gratitude to Prof. Ronak Jain for his valuable guidance and kind supervision throughout the course of this project.

The word "THANKS" is rendered in a large, bold, blue 3D font. Below the text, there is a faint, light blue reflection of the word, creating a sense of depth and a clean, modern aesthetic.