ONLINE KIRANA SERVICE

ACRONYM

KAVERI KIRANA

CLIENT DETAILS

NAME OF CLIENT: RAJAN CHOUDHARY

Contact details:8*******3***

Our client is an average convenience store owner who sells daily usage products like cola, toothpaste, rice,

Drinking water, Milk, etc.

REASON BEHIND DEVELOPMENT OF THIS PROJECT

My client is looking for expanding his business by making buying product more convenient for his customers by providing home delivery service of his products which can be ordered online.

Also my client need the software Known by its own Brand name which is "Kaveri Kirana" and provide more faster delivery in his own area.

PROJECT DESCRIPTION

The online platform provided by me will enable customers to buy products online from this store from any location which will be only delivered to the pin code area 400612.

CURRENT SYSTEM

Currently there exist no such system available to individuals which provides such type customised experience's and are cost-friendly to such degree.

PROPOSED SYSTEM

An application or web application which will allow android and ios users to use these service and facilities

TECHNICAL DETAILS

A smart phone Android/ios With minimum 2.5 gb ram and 16 gb storage.

APP DETAILS

App Name= Kaveri Kirana

App Size= <100mb

ADMINISTRATIVE DETAILS

LIST OF PARTICIPANTS

Deepak Lalbabu Shah

Class=TYCS

Contact no=********5**

KAVERI KIRANA : APPLICATION FOR DRINKING WATER DELIVERY SERVICES

A Project Report

Submitted in partial fulfilment of the Requirements for the award of the Degree of

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

By

Shah Deepak Lalbabu

Seat No. :- **********

Under the esteemed guidance of

Mr. Abhijeet Kale

Designation

DEPARTMENT OF COMPUTER SCIENCE

B. N. BANDODKAR COLLEGE OF SCIENCE

(Affiliated to University of Mumbai)

THANE, 400601

MAHARASHTRA

2021

B. N. BANDODKAR COLLEGE OF SCIENCE

(Affiliated to University of Mumbai)

THANE - MAHARASHTRA - 400601

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that the project entitled, **"KAVERI KIRANA:APPLICATION FOR DRINKING WATER DELIVERY SERVICES"**, is bonafide work of **SHAH DEEPAK LALBABU**
bearing Seat.No: ************** submitted in partial fulfilment of the requirements for the award of degree of BACHELOR OF SCIENCE in COMPUTER SCIENCE from University of Mumbai.

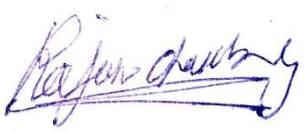
INTERNAL GUIDE **CO-ORDINATOR**

EXTERNAL EXAMINER

Date :- 28-10-2021 **College Seal**

PROJECT ACKNOWLEDGMENT

I would like to express my special thanks to **Mr. Rajan Rajmangal Choudhary** for giving me this opportunity to build a project regarding the topic and providing external help as a fellow client.



Rajan Rajmangal Choudhary

Owner of Kaveri Kirana And General Stores.

ABSTRACT

Water is one of the most essential resources for human life and given by the rise of global warming and other factors the demand for increasing drinking water hasn't thought to slow down the more developed the cities are more water shortage it experiences and in these tough time there are few growing services which constantly fulfil these daily requirements of citizens which are known as water suppliers.

The year 2019 also proved very fatal for many business owners due to covid-19. Some business owner shut down their business and some moved to other business ventures.

My client is also one of the business owner who wants to expand his business to another level to tackle the challenges that covid-19 induced.

Our main objective was to scale our business by expanding its customer base and taking more orders, eliminating most human work shifting it to the software ,increasing customer ease of use and still maintaining covid-19 polices applied by Government of India, we offer a web application to our client and clients customer to order their drinking water in their local area from the comfort of the customers smartphone.

We also created integrated platform for our client to maintain all the database and handle tasks to create the workflow super easy and fluid so that the client could also avoid most of the jargon and have more time in hand to handle and expand its business.

ACKNOWLEDGMENT

I would like to give my special thanks of gratitude to my professor Mr. Tejas Jadhav and Mr. Abhijeet Kale as well as our Principal Dr. Moses Kolet for giving me this wonderful opportunity to build this project. While doing the project I came across various problems and also learned from it which grew my knowledge how business on a mid-scale works with in the symphony of latest technologies. I would also like to thank my client Mr. Rajan Rajmangal Choudhary for giving me the opportunity to work for him.

DECLARATION

I hereby declare that the project entitled, **" KAVERI KIRANA:APPLICATION FOR DRINKING WATER DELIVERY SERVICES "** done at **place where the project is done**, has not been any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfilment of the requirements for the award of **BACHELOR OF SCIENCE (COMPUTER SCIENCE)** to be submitted as 5th Semester project as a part of our curriculum.

Deepak Lalbabu Shah

TABLE OF CONTENTS

Chapter 1

Introduction

Drinking Water suppliers in one of the most essential service for the people who faces daily problems due to it a normal business in these times operates on a very mundane tasks like a customer goes to shop with either a empty bottle given by the previous supplier or if it's the customers first time the seller sells the bottle to customer with money. After that the empty bottle is exchanged with the bottle is filled with drinking water with the additional fee of water and these process repeats again and again.

But due to covid-19 our seller faced problems with his business cause the customers weren't allowed to visit the stores and managing business with the current model wasn't the most efficient way so by consulting the client we came up to the decision of moving our business online by which our customers will be able to order water hassle free and conveniently with their devices like smartphones and computers.

1.1 Background

My client is an average shop owner who owns a Shop name "**Kaveri Kirana"** which sells multiple daily essential products and his major revenue comes from selling drinking water to customers but due to above mentioned reason my client suffered economic damages and hence we came up with the solution of moving our business online.

The web application **"Kaveri Kirana"** is built for providing better solution for my client by using this web application. The way it work is as follows-

- Our client will give credentials to its customers with small fee as a consolation for bottle/gallon price.
- Then the customer can login to portal **"Kaverikirana"** place order for water.
- The delivery boy will collect the fee and deliver the water and if it isn't customers first delivery then the delivery boy will collect the previous delivery bottle and confirm the delivery.
- And all this data will be registered in the clients server.

1.2 Objectives

To deliver a platform to the client on which he operate his business.

Two platforms will be created one for client which will contain very powerful features for data manipulation, observation, and override features with privileges of an admin

And another for customer side which will contain shopping features and personal account info.

1.3 Purpose, Scope and Applicability

1.3.1 Purpose

The platforms purpose is eliminate physical efforts of visiting the store and placing the order by the customer and reducing the effort required by the business owner to maintain and run his/her business and automatic generation of business records to keep tracks.

1.3.2 Scope

The scope of platform is deigned according to our clients demand which is future expansion of business in other areas and selling additional products.

The products page is designed in such a manner that when additional products in future which client wishes to sell can be modified with minimum effort but from the customers perspective the product seems to sell just water currently.

The databases is also designed in such manner that many changes could be made and also the schema of the database could also be modified and changed to reflect it back on the page by simply adding additional tags in the MVC.

The program files are divided in modules to provide a granular control so that the updates could be made in small section, increments and it would also be easier for debugging and making changes to server proving a platform with less bugs.

1.3.3 Applicability

The platform is very applicable cause it works on a web browser which available in every system nowadays, also the frontend on the webpage consist of vanilla HTML,CSS and JavaScript which makes the page render quickly.

The deployment of server is also quite simple cause the database used is MySQL which is very efficient and if use properly could prove very efficient and easy to handle complex queries.

The server side language used is PHP cause it is very easy to deploy and has quite a large following which is over 78.8% of the World Wide Web, due to which it has Long term Support and after long time the PHP 7 and 8 is rolled out which is very powerful and reliable

Chapter 2

Survey Of Technologies

The platform is developed using XAMP tech stack which stands for X-Multiplatform, A-Apache, M-MariaDB, P-PHP which from an engineering point of view is a very reliable tech stack.

The each Layer of this Stack is very essential and carefully chosen so that each of them performs in a complimentary way for our client needs. The each layer of technologies are explained below.

2.1 X-Multiplatform

In a digital world that has diversified into so many sectors its always a best choice to use a multiplatform stack , XAMP is used keeping in the mind of future development so that in future the web app can be run and tested on any type of device to make it more easy and cost friendly for future development and developers.

2.2 A-Apache

Open source software, Apache supports almost all operating systems such as Linux, Windows, Unix FreeBSD, Mac OS X and more. Approximately, 60% of the machines run on Apache Web Server.

It can easily customize an apache web server due to its modular structure. Since it’s an open source, Its own modules can be added to the server when needed to make modifications to suit the requirements.

It is highly stable as compared to other web servers and the administrative issues on it can be resolved easily. It is possible to install Apache on multiple platforms successfully.

The Apache's latest versions offers the flexibility to handle more requests when compared to its earlier versions.

2.3 M-Maria-Db

MariaDB is a community-developed, commercially supported fork of the MySQL relational database management system (RDBMS), intended to remain free and open-source software under the GNU General Public License. It is intended to maintain high compatibility with MySQL, ensuring a drop-in replacement capability with library binary parity and exact matching with MySQL APIs and commands. However, new features are diverging.

Here Maria-Db is incorporated with MySQL because it offers unmatched scalability to facilitate the management of deeply embedded apps using a smaller footprint even in massive warehouses that stack terabytes of data. Developers are familiar with MySQL most cause its easy and fast.

2.4 P-PHP

PHP is mainly used for web development, and it truly excels in this area. The versatility of this scripting language results from its excellent ability to combine with other programming languages. For example, developers may write extensions to PHP using the C language, which enables adding even more functionality. Moreover, PHP has a large number of available libraries and frameworks that extend its capabilities even further.

2.4.1 Advantages of PHP

The popularity of PHP is the logical result of its numerous advantages, all of which make it a powerful and effective development tool.

2.4.1.1 Large choice of available specialists

he popularity of PHP gave rise to the numerous community of developers, a fraction of which can be potential candidates for hire. The large number of available specialists results in high competitiveness and lower demanded wages, which is beneficial for reducing development costs. Besides, this language is rather easy to

learn and implement, so even junior developers are usually able to effectively realize the basic functionality of an app.

2.4.1.2 Improved loading speed

The use of PHP makes website pages load faster as compared to many other web development technologies. For example, currently, PHP is about three times faster than Python for most use scenarios. In its turn, lower loading time is an important SEO ranking factor that helps further promote a website by bringing competitive advantages. A higher application speed keeps customers satisfied and, in combination with other advantages, helps build and retain the client base.

2.4.1.3 Inexpensive open-source software

PHP is a free-to-use technology that presents considerable savings for the development budget. Also, the majority of development tools that are usually utilized in combination with PHP are open-source software and can be used free of charge; thus, they additionally reduce the project cost. Moreover, there are numerous frameworks, such as Laravel and CodeIgniter, and various CMS, such as Wordpress and Drupal, for example, that extend the functionality of PHP and make the development process easier and more effective.

2.4.1.4 Excellent combinability with HTML

PHP offers embedded HTML programming, which is the reason for the incredible synergy between these two technologies. In most cases, a PHP script does not interfere with the HTML code of a web page but instead completes it while remaining inside the borders defined by <?php ?> tags. And vice versa, if you have built a whole page on PHP, you may integrate an HTML code using a script. In this case, the difference from a traditional HTML page would be the inverted order of opening tags: the PHP tags would precede the HTML tags.

2.4.1.5 Good flexibility

Flexibility makes PHP able to effectively combine with many other programming languages so that the software product could use the most effective technology for each particular feature. Moreover, PHP is a cross-platform language, which means that developers may use any primary operating system – Windows,

Linux, macOS – to perform coding. Such flexibility greatly facilitates the development process by making it faster and less expensive.

2.4.1.5 Compatibility with cloud services

Nowadays, many modern products tend to use cloud computing solutions like Amazon Web Services, for various purposes. Applications written in PHP are supported by different cloud services, such as AWS Lambda, for example. Thus, a PHP application can be deployed on a cloud server and achieve excellent scalability and other beneficial effects. Even more, the area of cloud computing is not monopolized by other coding languages, so PHP has taken its place in such implementations.

Chapter 3

Requirement And Analysis

In this chapter we will discuss analysis done during building the project, collecting factual data, understanding the processes involved, identifying problems and recommending feasible suggestions for improving the system functioning.

3.1 Problem Definition

The existing system becomes useless in many situation like covid-19 and other circumstances where it might be a problem for customer to visit the store physically. And also due to many types of businesses moving online the client wants a competitive advantage and a larger customer pool to work with.

3.1.1 Scalability

Scalability is one of the major problem to took in consideration so that a system can be designed around it.

3.1.2 Concurrency

Multiple users will use the platform concurrently therefore the platform needed to be able to perform multi-request handling capability

3.1.3 ACID system

The platform also to want to deal with online transaction therefore to deal with it a strong system needs to be designed to avoid data integrity failure

3.1.4 User friendly UI

The customers our clients wants to focus falls under a category where majority of user might not know how to use it. Therefore a very simple minimalistic design was needed.

3.2 Requirements specification

3.2.1 Specifications for developer

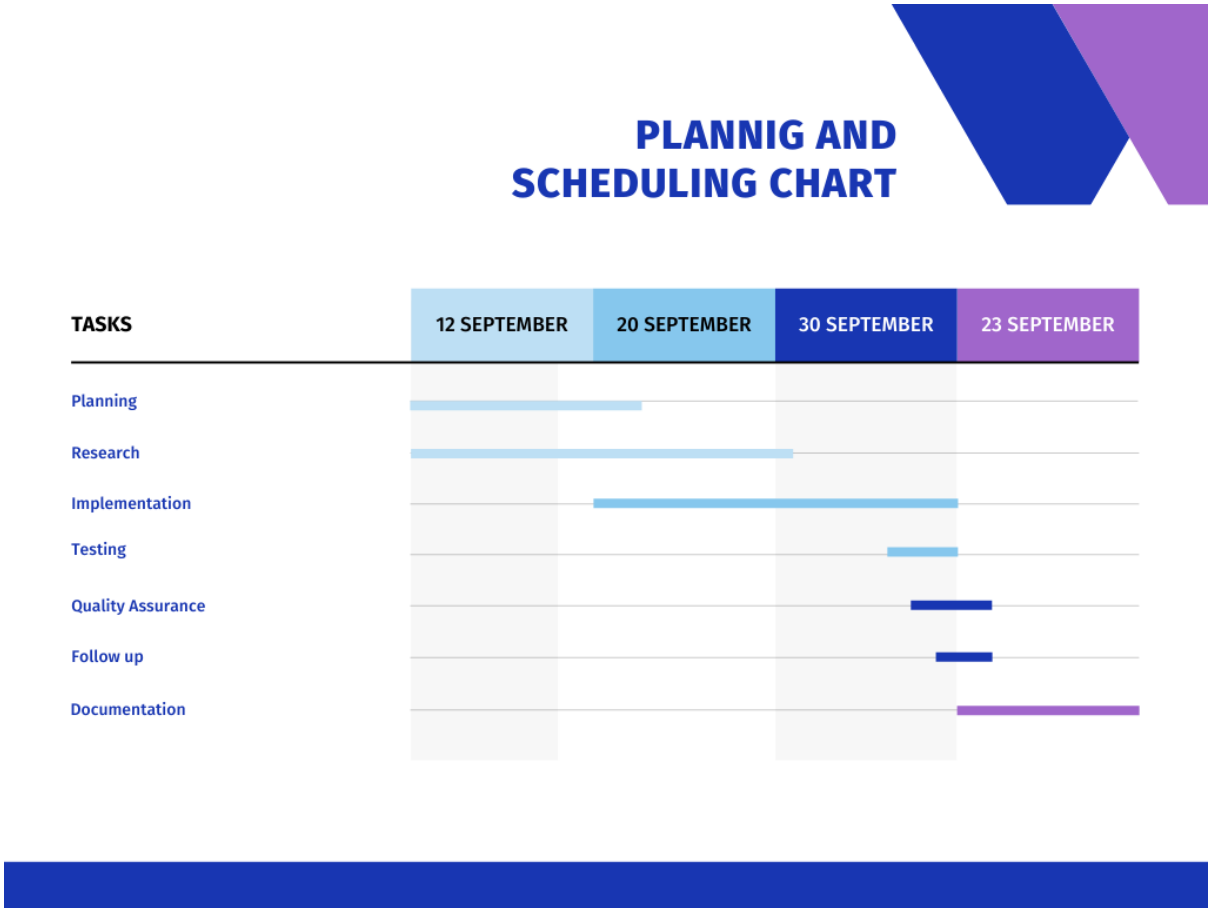
The software architecture has putted a lot of consideration for ease of development ,therefore the parameters are chosen in such a way that the developers with enough skill will be able to work on it with a very basic system.(All the specification mentioned refers to PC)

- 4Gb of Ram
- 500 mb of available space in storage.
- Processor:-quad-core 1.5ghz processor minimum.
- Internet Connection
- PHP program libraries support.
- Cascading Style Sheet Support
- HTML
- Any IDE or text editor as per preference.
- Xampp Services
- Mysql Database.
- SMTP setup according to custom adjustments.

3.2.2 Specification for user

- A device with latest browser
- Internet Connection
- 1.5 Gb ram

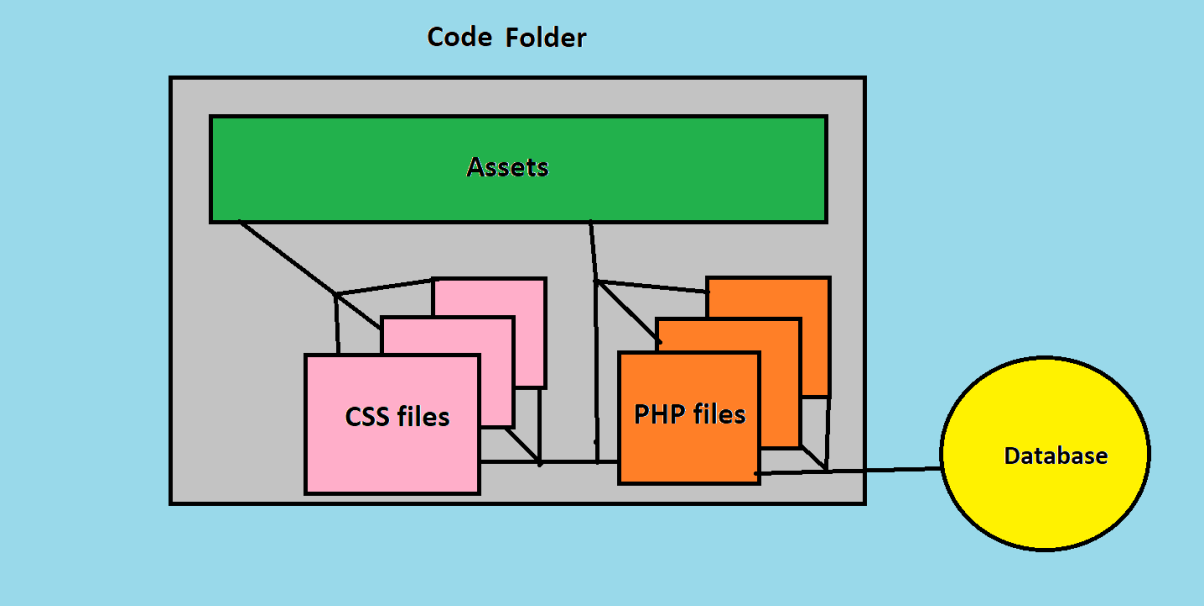
3.3 Planning and Scheduling



CHAPTER 4

SYSTEM DESIGN

4.1 FILE ORGANIZATION



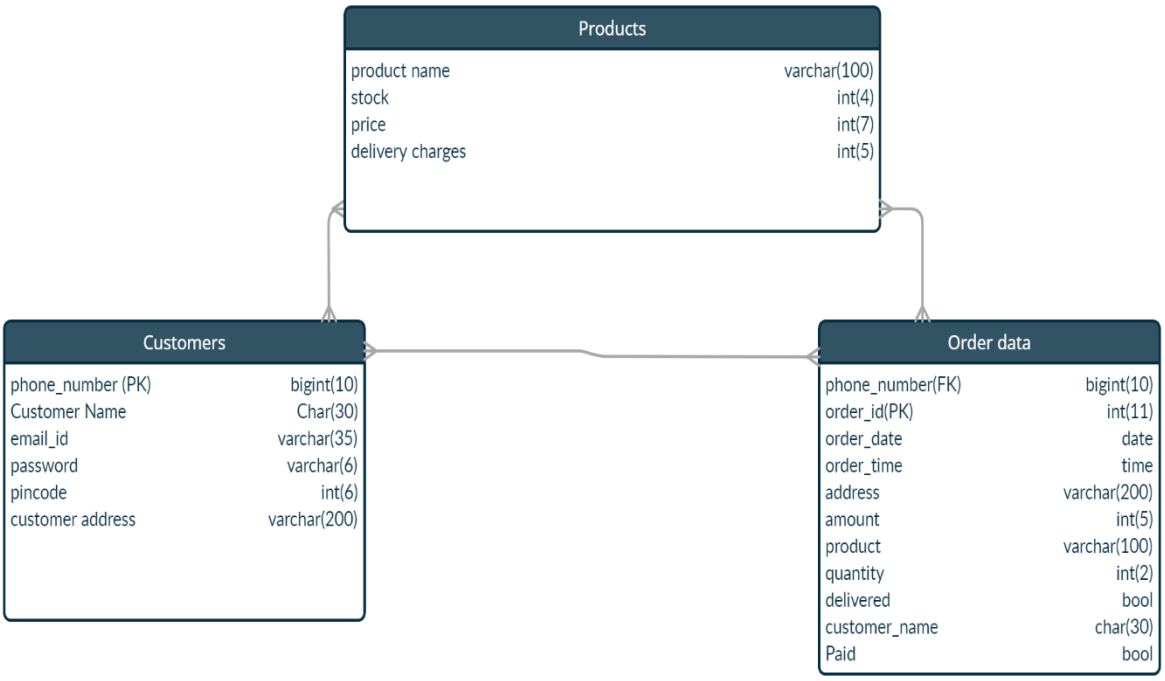
4.2 Basic Modules

The system is designed by dividing it into several modules those modules are as follows:

- layout.css : It defines whole layout of page and it also contains multiple IDs of element which is used for designing the page this helps to change and redesign and modify the page from just one file
- login.css : This page solely defines the layout and design of login page.
- table.css : It is a very important file it defines how the data will be viewed in the program.
- verifier.php : It is a very important module its function is to match the session login data every time page is loaded, it allows the user to navigate the web app with his/her data effortlessly.

- config.php : This module configures and connects the platform environment with the database so that queries can be performed with authentication.

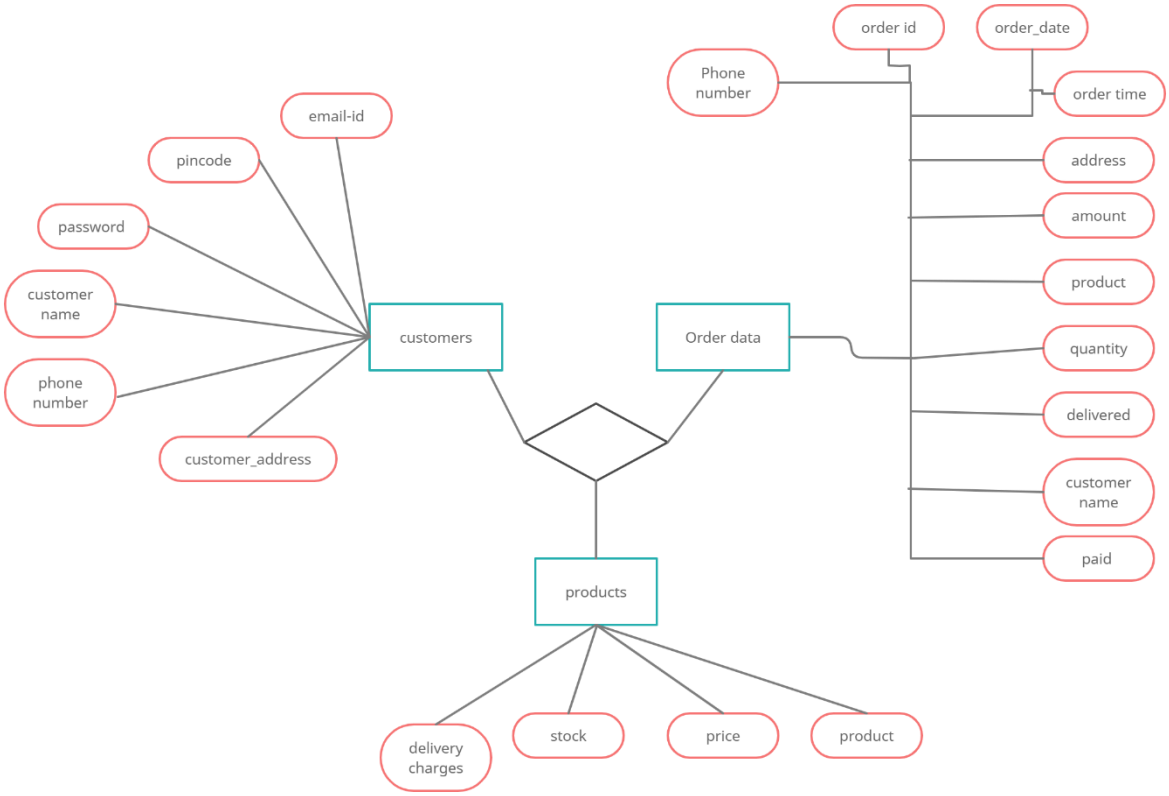
4.3 Database design



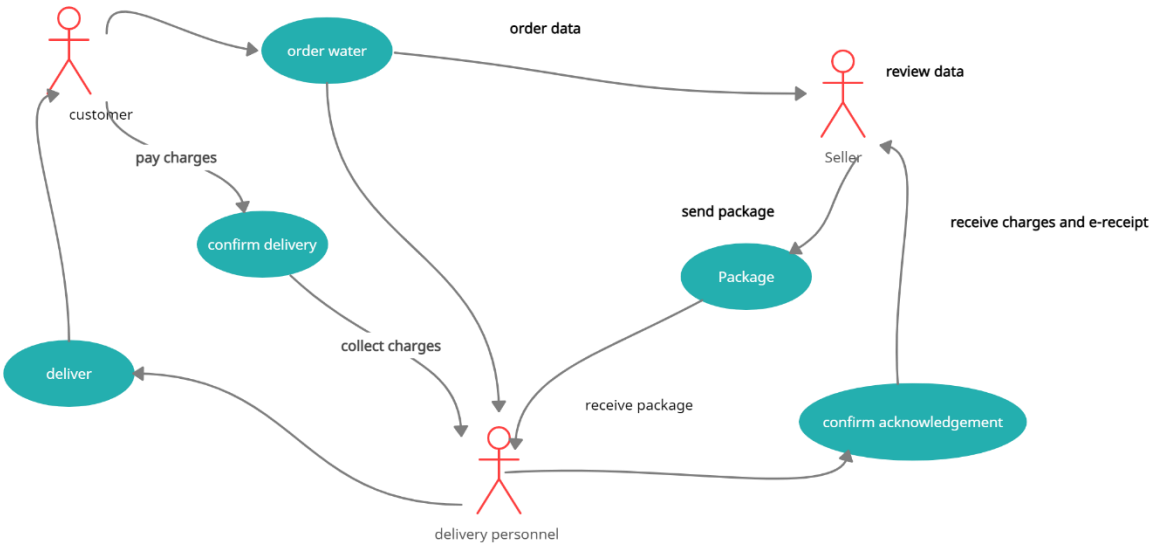
The database used is the relational database. RDBMS is used cause RDBMS has more granular control of the system . It allows the peer to perform more elegant queries and the output is also very well formatted and easy to understand.

The Database used here is MySQL because I had experience and deep understanding with it.

4.4 ER table



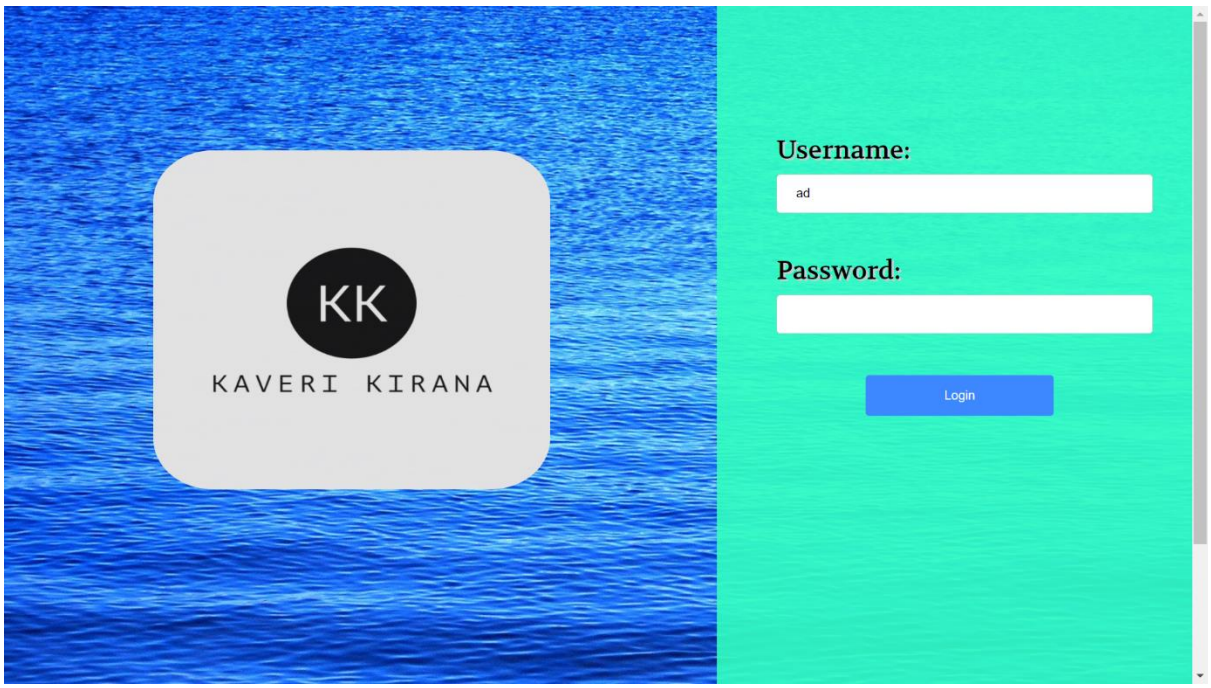
4.5 Use Case Diagram



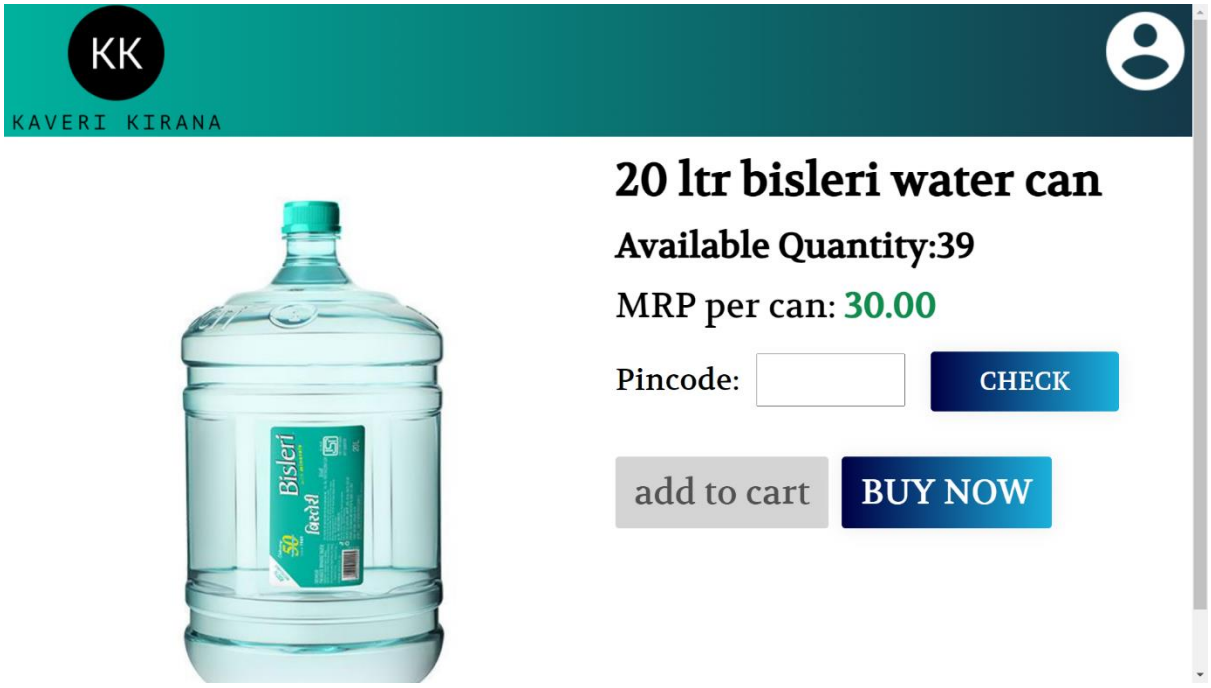
4.6 System Flow And UI design

4.6.1 Customer side

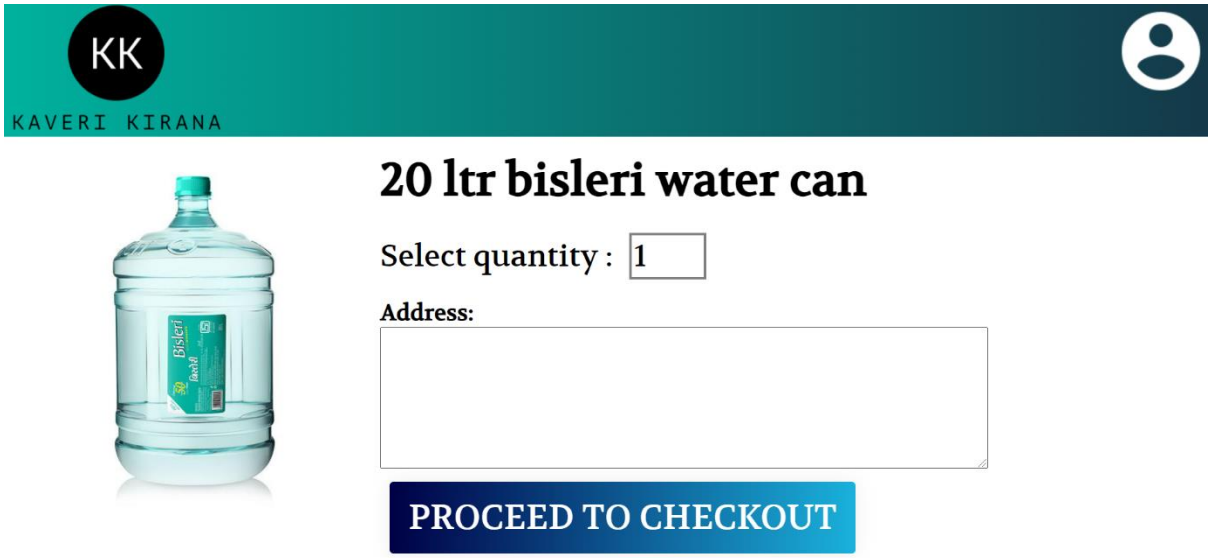
- Login



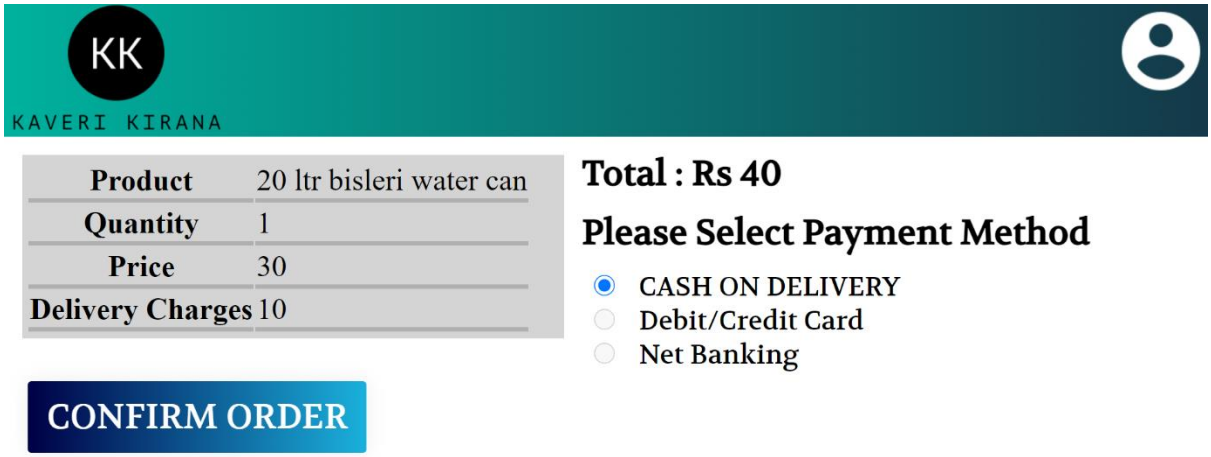
- Buynow



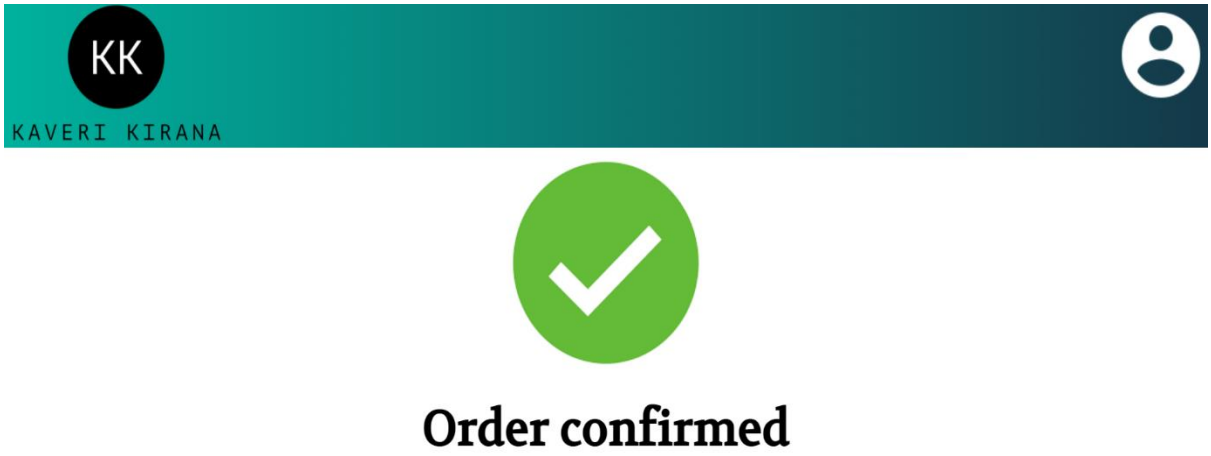
- Proceed to checkout



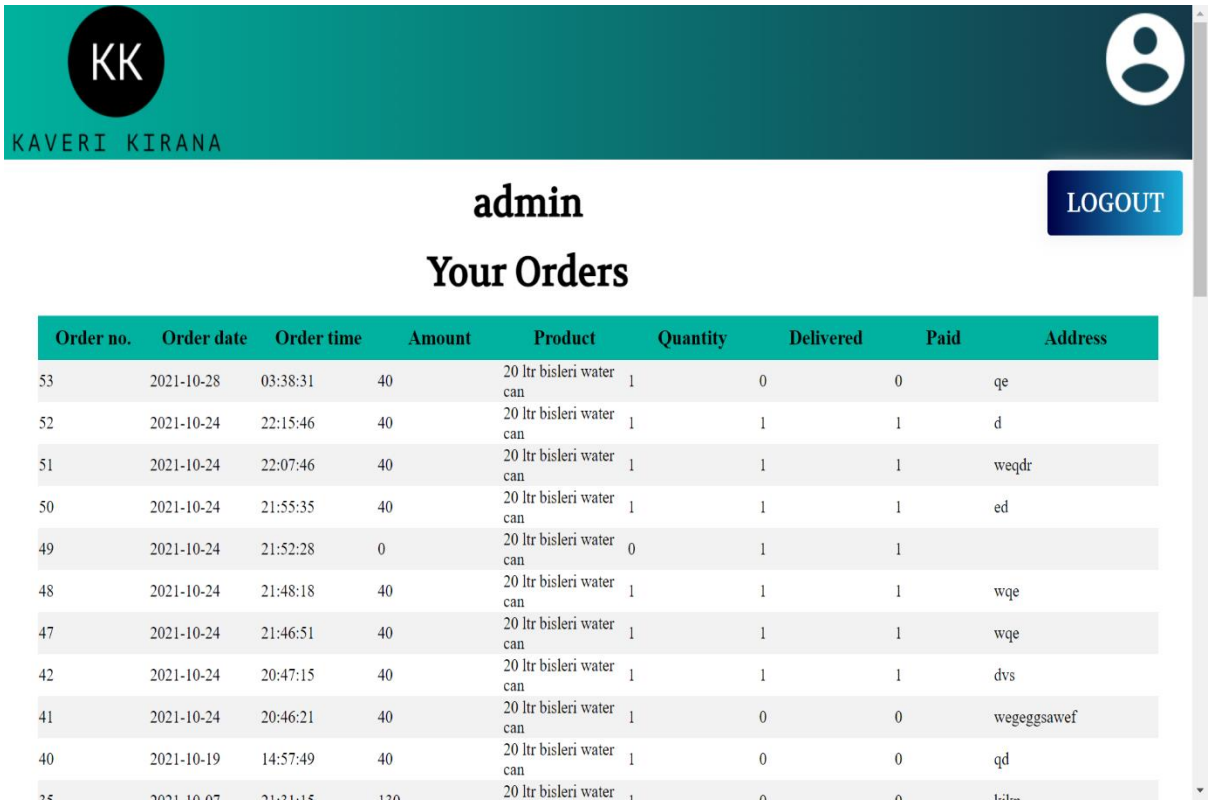
- Confirm order



- Order confirmed



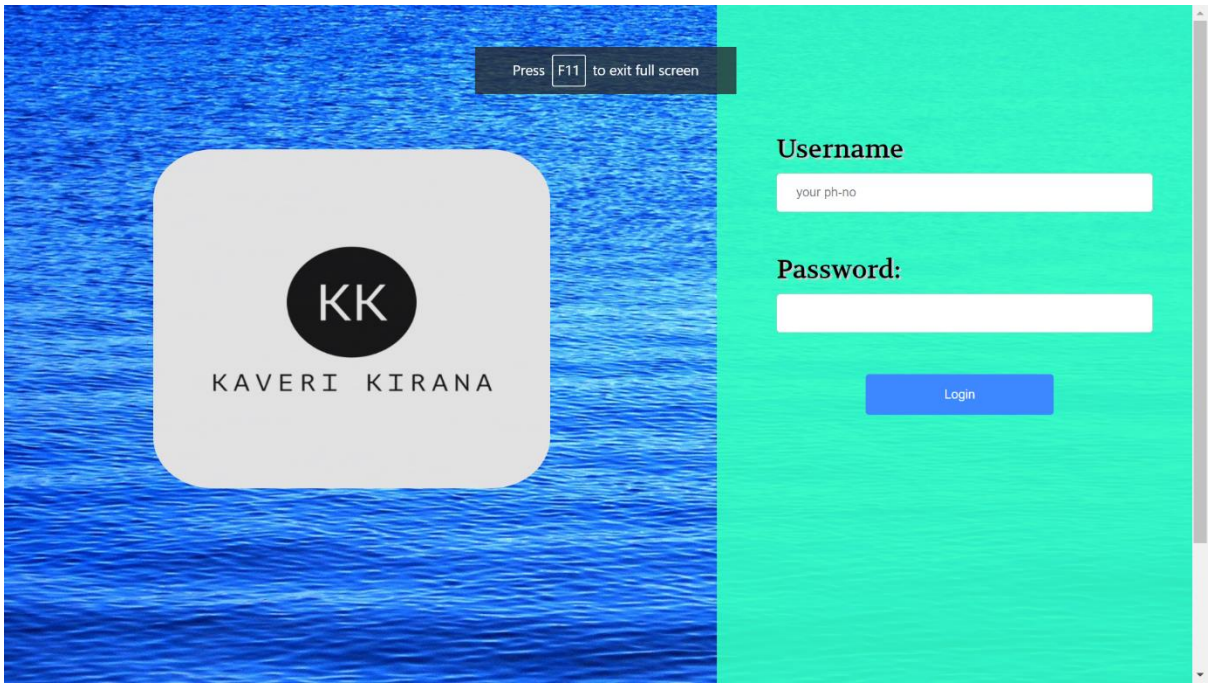
- My Account



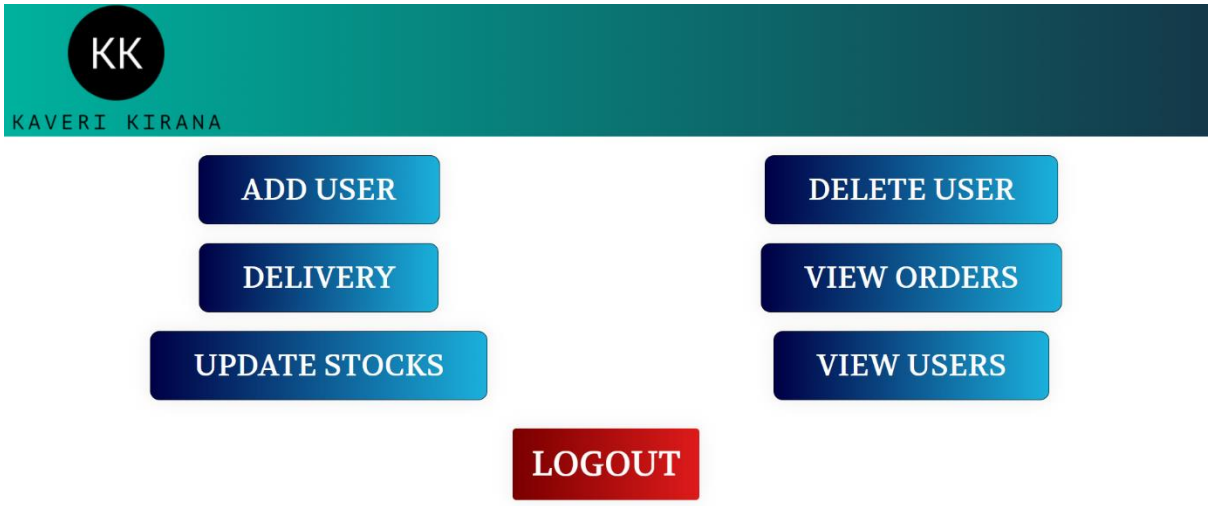
Order no.	Order date	Order time	Amount	Product	Quantity	Delivered	Paid	Address
53	2021-10-28	03:38:31	40	20 ltr bisleri water can	1	0	0	qe
52	2021-10-24	22:15:46	40	20 ltr bisleri water can	1	1	1	d
51	2021-10-24	22:07:46	40	20 ltr bisleri water can	1	1	1	weqdr
50	2021-10-24	21:55:35	40	20 ltr bisleri water can	1	1	1	ed
49	2021-10-24	21:52:28	0	20 ltr bisleri water can	0	1	1	
48	2021-10-24	21:48:18	40	20 ltr bisleri water can	1	1	1	wqe
47	2021-10-24	21:46:51	40	20 ltr bisleri water can	1	1	1	wqe
42	2021-10-24	20:47:15	40	20 ltr bisleri water can	1	1	1	dvs
41	2021-10-24	20:46:21	40	20 ltr bisleri water can	1	0	0	wegeggsawef
40	2021-10-19	14:57:49	40	20 ltr bisleri water can	1	0	0	qd
35	2021-10-07	21:31:15	120	20 ltr bisleri water	1	0	0	hihn

4.6.2 Seller/Client side

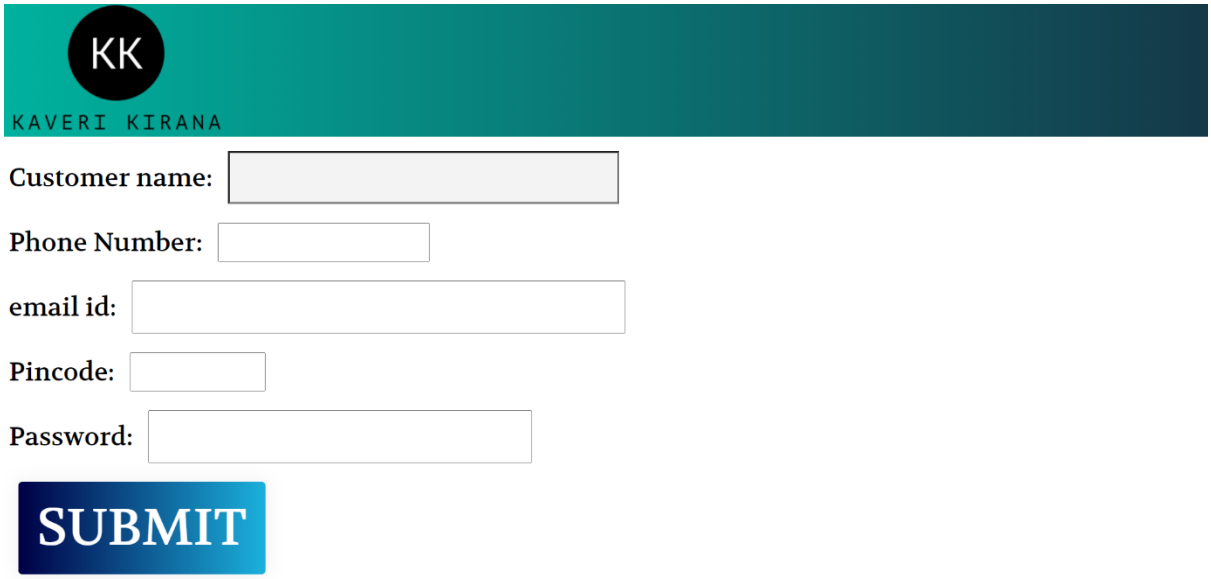
- Login



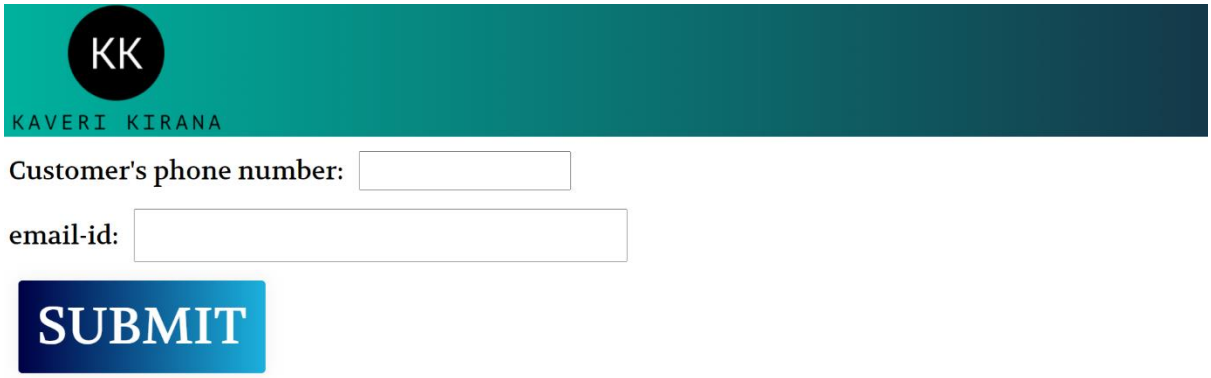
- Dashboard



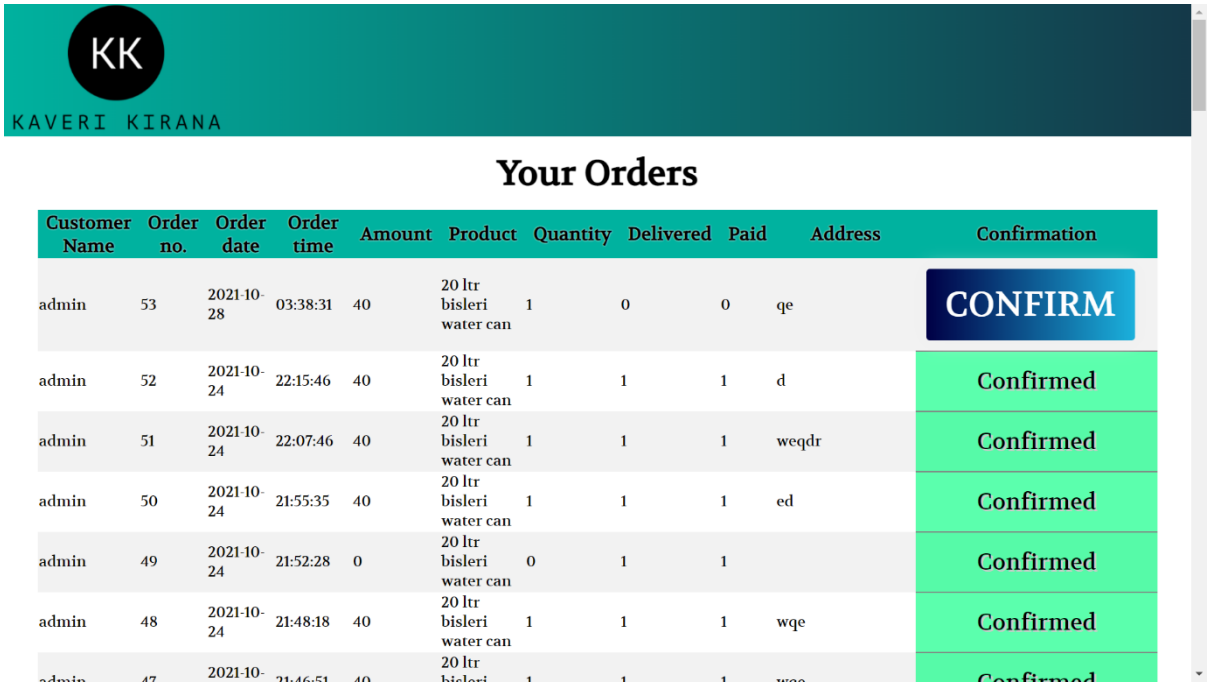
- Add user



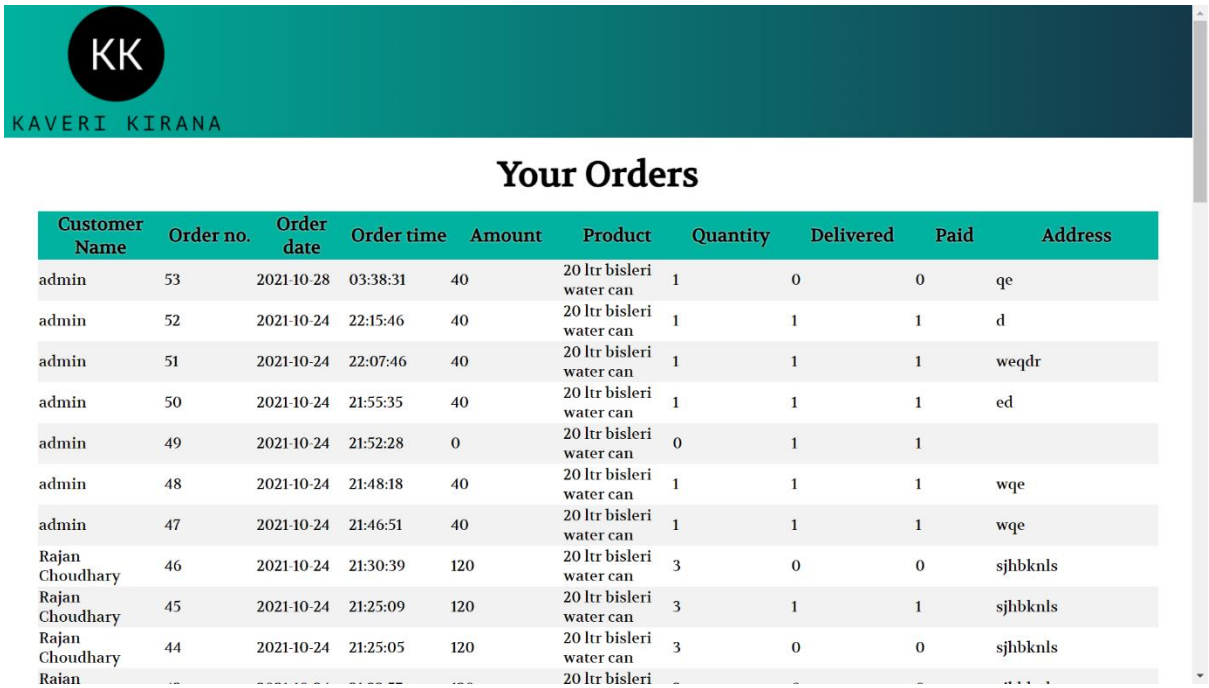
- Delete user



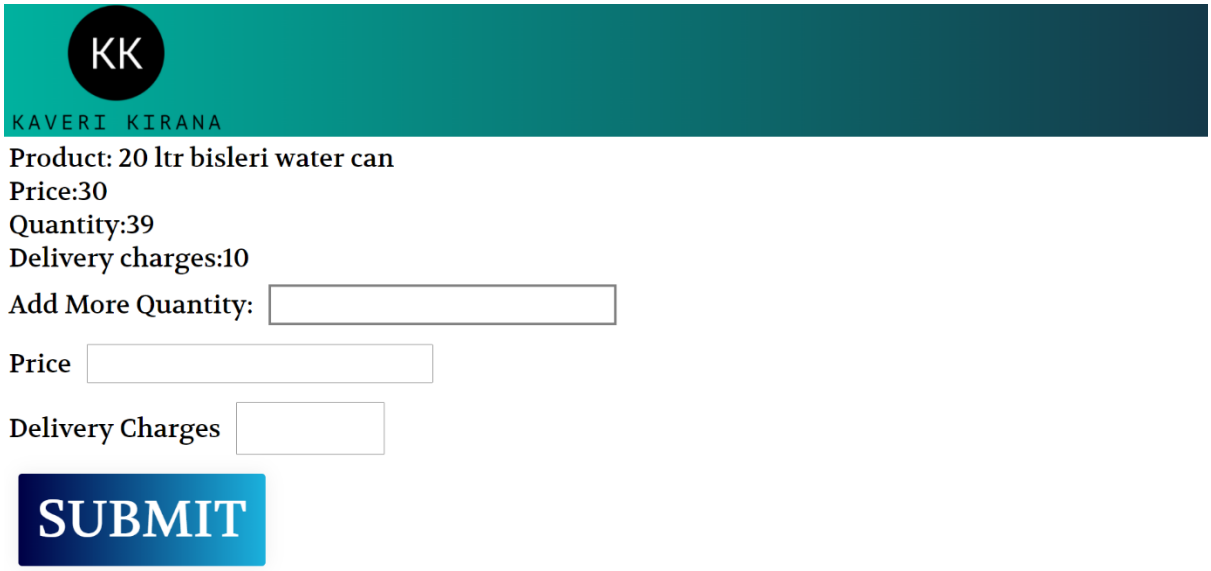
- Delivery



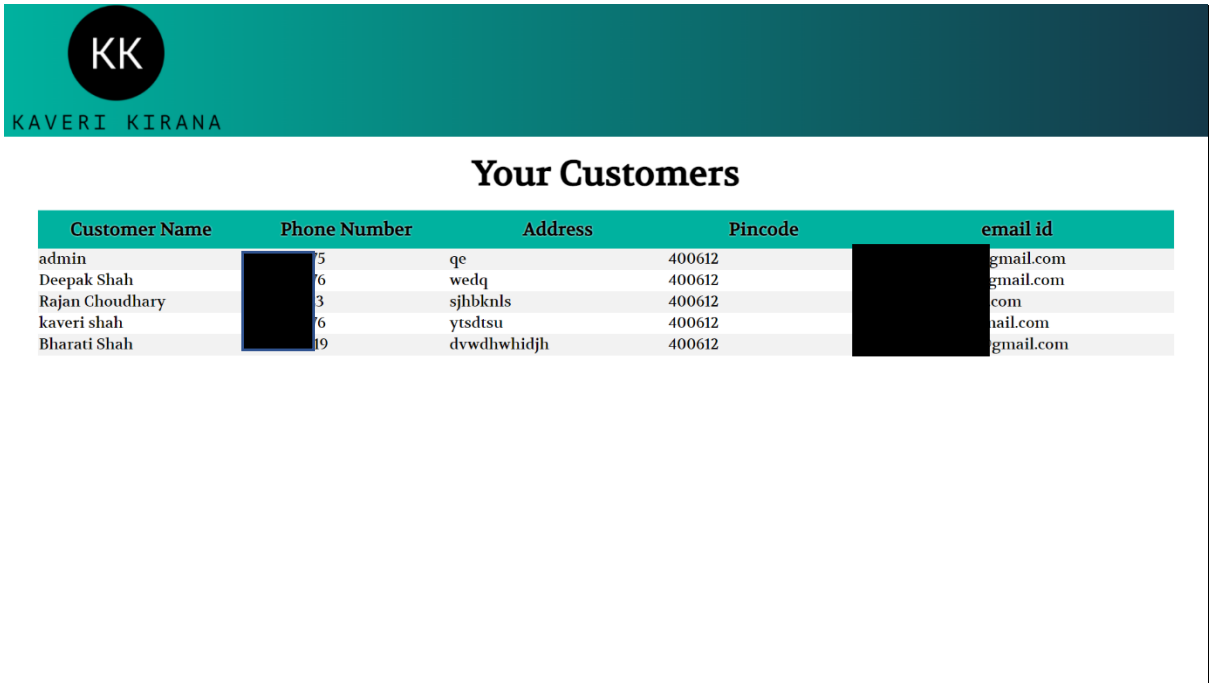
- View Orders



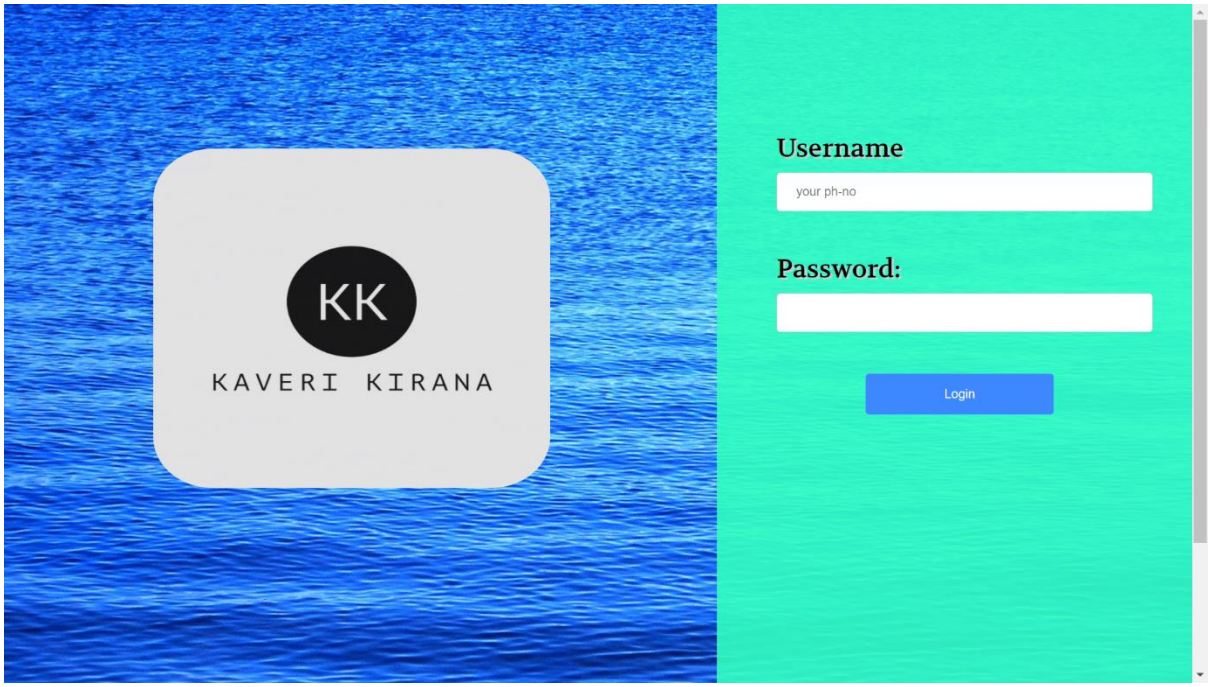
- Update Stocks



- View Users



- Logout



4.7 Security Threats

Most of the security threats are already been taken care of but the most concerning issue is spam orders. Spam orders might take extra toll on the business because of its misdirecting nature.

To avoid this problem users will be verified and then their account will be created this verification process will be done by the seller by his own criteria then their digital account will be created and credentials will be assigned to them.

This process is a very effective to way to avoid these problems before even occurring.

4.8 Test Case Design

The Testing method here used is Manual testing. We tested the every possible input so that we can identify that the platform isn’t taking input which it is unable to process and crash or create bugs in the system.

The tool here used is selenium.

Chapter 5

Implementation And Testing

5.1 Implementation and Testing

5.1.1 Software Development Life-cycle

For architecture purpose here waterfall model is used. Waterfall model was choose because it was most compatible with the project and all the given time restrictions.

Waterfall model offers a comprehensive development of each stage which in grand schemes every stage becomes a high quality stage which makes the software quality and development decisions more better.

5.1.1.1 Drawbacks of water fall model

The disadvantage of waterfall development is that it does not allow much reflection or revision. Once an application is in the testing stage, it is very difficult to go back and change something that was not well-documented or thought upon in the concept stage.

The major disadvantages of the Waterfall Model are as follows −

- No working software is produced until late during the life cycle.
- High amounts of risk and uncertainty.
- Not a good model for complex and object-oriented projects.
- Poor model for long and ongoing projects.
- Not suitable for the projects where requirements are at a moderate to high risk of changing. So, risk and uncertainty is high with this process model.
- It is difficult to measure progress within stages.
- Cannot accommodate changing requirements.
- Adjusting scope during the life cycle can end a project.

- Integration is done as a "big-bang. at the very end, which doesn't allow identifying any technological or business bottleneck or challenges early.

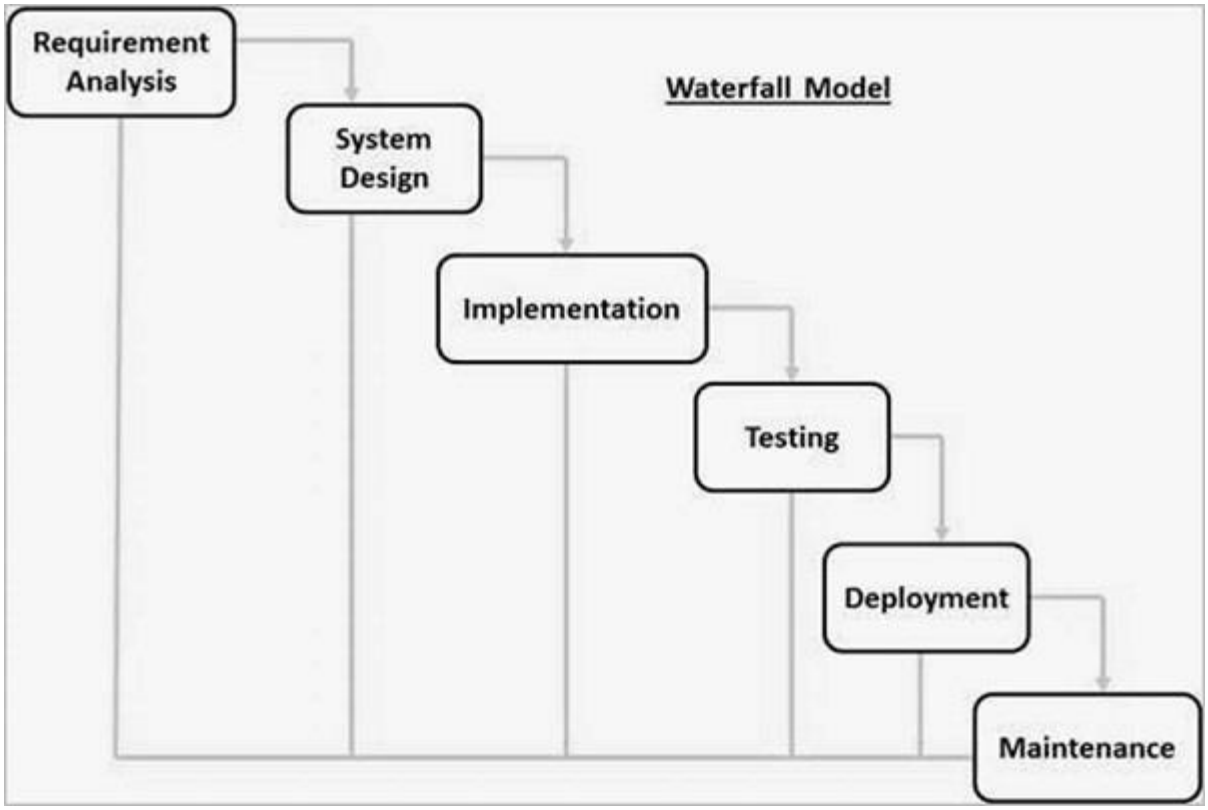
5.1.1.2 Advantages of water fall model

The advantages of waterfall development are that it allows for departmentalization and control. A schedule can be set with deadlines for each stage of development and a product can proceed through the development process model phases one by one.

Development moves from concept, through design, implementation, testing, installation, troubleshooting, and ends up at operation and maintenance. Each phase of development proceeds in strict order.

Some of the major advantages of the Waterfall Model are as follows −

- Simple and easy to understand and use
- Easy to manage due to the rigidity of the model. Each phase has specific deliverables and a review process.
- Phases are processed and completed one at a time.
- Works well for smaller projects where requirements are very well understood.
- Clearly defined stages.
- Well understood milestones.
- Easy to arrange tasks.
- Process and results are well documented.


Requirement Analysis
Waterfall Model
System Design
Implementation
Testing
Deployment
Maintenance

5.2 Function handling

5.2.1 Customer mail handling

```
function send_mail(){
    global $conn;
    global $cdata;
    global $fprice;
    global $uname;
    global $to;
    $sql="select order_id from order_data where phone_number='$uname' order by
order_id desc Limit 1;";
    $retrival=mysqli_query($conn,$sql);
    if (! $retrival){
      die("problem fetching data:");
    }
    $orddata=mysqli_fetch_array($retrival,MYSQLI_ASSOC);
    $subject = "{$cdata['customer_name']} Regarding your recent order from
KaveriKirana";
    $body="Dear customer,Your order has been confirmed and it will be delivered to
you
    before 8:00pm today your order id:'{$orddata['order_id']}' please keep amount: RS
$fprice ready . orders after 8.00 pm will be delivered tommrrow ";
    $body.="Thank you for shopping";
    $headers="From: mail@gmail.com";

    if(mail($to,$subject,$body,$headers)) {
       echo "Message sent successfully...";
    }else {
       echo "Message could not be sent...";
    }
}
```

5.2.2 Seller acknowledgement mail

```
function send_mailself(){
    global $conn;
    global $cdata;
    global $fprice;
    global $uname;
    $to="mail@gmail.com";
    $sql="select order_id from order_data where phone_number='$uname' order by
order_id desc Limit 1;";
    $retrival=mysqli_query($conn,$sql);
    if (! $retrival){
      die("problem fetching data:");
    }
    $orddata=mysqli_fetch_array($retrival,MYSQLI_ASSOC);
    $subject = "{$cdata['customer_name']} Regarding your recent order from
KaveriKirana";
    $body="Dear customer,Your order has been confirmed and it will be delivered to
you
    before 8:00pm today your order id:'{$orddata['order_id']}' please keep amount:
RS $fprice ready . orders after 8.00 pm will be delivered tommrrow ";
    $body.="Thank you for shopping";
    $headers="From: mail@gmail.com";

    if(mail($to,$subject,$body,$headers)) {
       echo "Message sent successfully...";
    }else {
       echo "Message could not be sent...";
    }
}
```

5.2.3 Pincode handling

```
function check(){
        $pincode=$_POST["pincode"];
        if($pincode!=400612){
            echo "<h3>currently service available at 400612 only</h3>";
        }
        elseif($pincode==400612){
            echo "<h3>Product Available</h3>";
        }
    }
```

5.2 Testing

Here some integration testing's are performed using selenium platform. Selenium is used cause it automate the log files and code result generation so that developer doesn't need to write the outputs manually. And the given familiarity of the developer with selenium.

5.2.1 Reasons behind choosing selenium.

Resilient Tests

Selenium IDE records multiple locators for each element it interacts with. If one locator fails during playback, the others will be tried until one is successful.

Test Case Reuse

Through the use of the run command, you can re-use one test case inside of another (e.g., allowing you to re-use your login logic in multiple places throughout a suite).

Control Flow

Selenium IDE ships with an extensive control flow structure, with available commands like if, while and times. To learn more, check out the Control Flow documentation.

Plugins

Selenium IDE can be extended through the use of plugins. They can introduce new commands to the IDE or integrate with a third-party service. Write your own or install one that someone else has already written.

5.3 Test Cases For Customer Platform

Failed passed Entity/ID/Element

5.3.1 Login.php

	Incorrect	correct
user id	failed	failed
password	failed	passed

Detailed commands snapshot

	Command	Target	Value
1	✓ open	/fifth%20sem%20project/login.php	
2	✓ set window size	1936x1048	
3	✓ click	id=username	
4	✓ type	id=username	wrong id
5	✓ type	name=password	wrong password
6	✓ send keys	name=password	${KEY_ENTER}
7	✓ type	id=username	wrong id
8	✓ type	name=password	admin
9	✓ send keys	name=password	${KEY_ENTER}
10	✓ click	id=username	
11	✓ click	id=username	
12	✓ type	id=username	8291037975
13	✓ type	name=password	wrong password
14	✓ click	id=username	
15	✓ type	id=username	8291037975
16	✓ type	name=password	admin
17	✓ send keys	name=password	${KEY_ENTER}

Command logs

- 1.open on /fifth%20sem%20project/login.php OK10:46:32
- 2.setWindowSize on 1936x1048 OK10:46:32
- 3.click on id=username OK10:46:32
- 4.type on id=username with value wrong id OK10:46:33
- 5.type on name=password with value wrong password OK10:46:34
- 6.sendKeys on name=password with value ${KEY_ENTER} OK10:46:35
- 7.click on id=username OK10:46:37
- 8.type on id=username with value wrong id OK10:46:38
- 9.type on name=password with value admin OK10:46:39
- 10.sendKeys on name=password with value ${KEY_ENTER} OK10:c46:40

- 11.click on id=username OK10:46:42
- 12.type on id=username with value **********5 OK10:46:43
- 13.type on name=password with value wrong password OK10:46:44
- 14.click on id=username OK10:46:45
- 15.type on id=username with value **********5 OK10:46:46
- 16.type on name=password with value admin OK10:46:47
- 17.sendKeys on name=password with value ${KEY_ENTER} OK10:46:48
- **'login' completed successfully**

5.3.2 home.php

	incorrect	correct
pincode	failed	passed

Detailed commands snapshot

	Command	Target	Value
1	✓ open	http://localhost/fifth%20sem%20project/home.php	
2	✓ set window size	1936x1048	
3	✓ click	id=pincode	
4	✓ type	id=pincode	qe
5	✓ click	id=check	
6	✓ click	id=pincode	
7	✓ type	id=pincode	400612
8	✓ click	id=check	
9	✓ click	id=buynow	

Command logs

- **Running 'home'10:58:21**
- 1.open on http://localhost/fifth%20sem%20project/home.php OK10:58:21
- 2.setWindowSize on 1936x1048 OK10:58:21
- 3.click on id=pincode OK10:58:21
- 4.type on id=pincode with value qe OK10:58:22
- 5.click on id=check OK10:58:22
- 6.click on id=pincode OK10:58:22
- 7.type on id=pincode with value 400612 OK10:58:22
- 8.click on id=check OK10:58:23
- 9.click on id=buynow OK10:58:23
- **'home' completed successfully10:58:23**

5.3.3 buynow.php

address	no input	input

Detailed command snapshot

	Command	Target	Value
1	✓ open	http://localhost/fifth%20sem%20project/buynow.php	
2	✓ set window size	1936x1048	
3	✓ click	id=address	
4	✓ click	id=proceed	
5	✓ assert alert	Address must be filled out	
6	✓ click	id=address	
7	✓ type	id=address	2eww
8	✓ type	id=quantity	2
9	✓ click	id=quantity	
10	✓ click	id=proceed	

Command logs

- **Running 'buynow'11:06:01**
- 1.open on http://localhost/fifth%20sem%20project/buynow.php OK11:06:02
- 2.setWindowSize on 1936x1048 OK11:06:02
- 3.click on id=address OK11:06:02
- 4.click on id=proceed OK11:06:03
- 5.assertAlert on Address must be filled out OK11:06:04
- 6.click on id=address OK11:06:05
- 7.type on id=address with value 2eww OK11:06:06
- 8.type on id=quantity with value 2 OK11:06:07
- 9.click on id=quantity OK11:06:08
- 10.click on id=proceed OK11:06:09
- **'buynow' completed successfully11:06:10**

5.3.4 checkout.php

Detailed Snapshots

	Command	Target	Value
1	✓ open	http://localhost/fifth%20sem%20project/checkout.php	
2	✓ set window size	1936x1048	
3	✓ click	id=confirm_order	

Command logs

- **Running 'checkout'11:16:54**
- 1.open on http://localhost/fifth%20sem%20project/checkout.php OK11:16:55
- 2.setWindowSize on 1936x1048 OK11:16:55
- 3.click on id=confirm_order OK11:16:55
- **'checkout' completed successfully11:16:56**

5.3.5 logout.php

Detailed Snapshots

	Command	Target
1	✓ open	http://localhost/fifth%20sem%20project/land.php
2	✓ set window size	1936x1048
3	✓ click	id=account
4	✓ click	id=logout
5	✓ click	id=logout

Command logs

- **Running 'my account'11:30:10**
- 1.open on http://localhost/fifth%20sem%20project/land.php OK11:30:10
- 2.setWindowSize on 1936x1048 OK11:30:12
- 3.click on id=account OK11:30:14
- 4.click on id=logout OK11:30:24
- 5.click on id=logout OK11:30:26
- **'my account' completed successfully11:30:26**

5.4 Test Cases For Seller Side Platform

5.4.1 login.php

username	**incorrect**	empty	correct
password	incorrect	empty	correct

Detailed snapshot

	Command	Target	Value
1	*open*	http://localhost/project%20client%20side/login.php	
2	*set window size*	1936x1048	
3	*click*	id=username	
4	*type*	id=username	qs
5	*click*	name=password	
6	*click*	name=login	
7	*click*	id=username	
8	*type*	id=username	ewrf
9	*click*	name=password	
10	*type*	name=password	afmin
11	*send keys*	name=password	${KEY_ENTER}
12	*click*	id=username	
13	*type*	id=username	8291037975
14	*type*	name=password	admin
15	*send keys*	name=password	${KEY_ENTER}

Command logs

- 1.open on http://localhost/project%20client%20side/login.php OK18:55:29
- 2.setWindowSize on 1936x1048 OK18:55:29
- 3.click on id=username OK18:55:29
- 4.type on id=username with value qs OK18:55:30
- 5.click on name=password OK18:55:30
- 6.click on name=login OK18:55:30
- 7.click on id=username OK18:55:31
- 8.type on id=username with value ewrf OK18:55:31
- 9.click on name=password OK18:55:31
- 10.type on name=password with value afmin OK18:55:31
- 11.sendKeys on name=password with value ${KEY_ENTER} OK18:55:32
- 12.click on id=username OK18:55:32
- 13.type on id=username with value **********5 OK18:55:33
- 14.type on name=password with value admin OK18:55:33
- 15.sendKeys on name=password with value ${KEY_ENTER} OK18:55:33
- **'login' completed successfully18:55:34**

5.4.2 Adduser.php

customer name	incorrect	empty	number	char	varchar
password	incorrect	empty	number	char	varchar
email	incorrect	empty	number	char	varchar
phone number	incorrect	empty	number	char	varchar
Pincode	incorrect	empty	number	char	varchar

Detailed snapshot

	Command	Target	Value
1	✓ open	http://localhost/project%20client%20side/login.php	
2	✓ set window size	1936x1048	
3	✓ click	id=username	
4	✓ type	id=username	qs
5	✓ click	name=password	
6	✓ click	name=login	
7	✓ click	id=username	
8	✓ type	id=username	ewrf
9	✓ click	name=password	
10	✓ type	name=password	afmin
11	✓ send keys	name=password	${KEY_ENTER}
12	✓ click	id=username	
13	✓ type	id=username	8291037975
14	✓ type	name=password	admin
15	✓ send keys	name=password	${KEY_ENTER}

Command logs

- **Running 'add user'19:22:33**
- 1.open on http://localhost/project%20client%20side/home.php OK19:22:34
- 2.setWindowSize on 945x1012 OK19:22:34
- 3.click on css=a:nth-child(1) > .btn-grad OK19:22:34
- 4.click on id=customer_name OK19:22:34
- 5.type on id=customer_name with value Deepak Shah OK19:22:35
- 6.type on id=phone_number with value **********5 OK19:22:35
- 7.type on id=email_id with value mail007@gmail.com OK19:22:35
- 8.type on id=pincode with value 400612 OK19:22:35
- 9.click on id=phone_number OK19:22:35
- 10.type on id=phone_number with value 1291037975 OK19:22:36
- 11.click on id=password OK19:22:36
- 12.type on id=password with value eda OK19:22:36
- 13.click on id=submit OK19:22:36
- 14.click on id=logo OK19:22:36
- **'add user' completed successfully19:22:37**

5.4.3 delivery.php

Detailed snapshot

	Command	Target	Value
1	open	http://localhost/project%20client%20side/home.php	
2	set window size	645x344	
3	click	css=a:nth-child(3) > .btn-grad	
4	click	id=54	
5	click	id=54	
6	click	id=53	

Command logs

- 1.open on http://localhost/project%20client%20side/home.php OK19:01:45
- 2.setWindowSize on 645x344 OK19:01:45
- 3.click on css=a:nth-child(3) > .btn-grad OK19:01:46
- 4.click on id=54 OK19:01:46
- 5.click on id=54 OK19:01:46
- 6.click on id=53 OK19:01:53
- **'delivery' completed successfully19:01:59**

5.4.4 update stocks

quantity	number	empty	varchar	char
price	number	empty	varchar	char
delivery charges	number	empty	varchar	char

Detailed snapshot

	Command	Target	Value
1	open	http://localhost/project%20client%20side/home.php	
2	set window size	1936x1048	
3	click	css=a:nth-child(5) > .btn-grad	
4	click	id=quantity	
5	type	id=quantity	1
6	click	id=price	
7	click	id=price	
8	click	id=price	
9	click	id=price	
10	click	id=delivery_charges	
11	click	id=price	
12	type	id=price	5
13	click	id=delivery_charges	
14	type	id=delivery_charges	5
15	click	id=submit	
16	click	id=logo	

Command logs

- 1.open on http://localhost/project%20client%20side/home.php OK19:08:27
- 2.setWindowSize on 1936x1048 OK19:08:27
- 3.click on css=a:nth-child(5) > .btn-grad OK19:08:27
- 4.click on id=quantity OK19:08:27
- 5.type on id=quantity with value 1 OK19:08:27
- 6.click on id=price OK19:08:28
- 7.click on id=price OK19:08:28
- 8.click on id=price OK19:08:28
- 9.click on id=price OK19:08:28
- 10.click on id=delivery_charges OK19:08:29
- 11.click on id=price OK19:08:29
- 12.type on id=price with value 5 OK19:08:29
- 13.click on id=delivery_charges OK19:08:29
- 14.type on id=delivery_charges with value 5 OK19:08:29
- 15.click on id=submit OK19:08:30
- 16.click on id=logo OK19:08:30
- **'update stocks' completed successfully19:08:30**

5.4.5 view orders

Detailed snapshot

	Command	Target	Value
1	*open*	http://localhost/project%20client%20side/home.php	
2	*set window size*	645x344	
3	*click*	css=a:nth-child(4) > .btn-grad	
4	*click*	id=logo	

Command logs

- 1.open on http://localhost/project%20client%20side/home.php OK19:07:39
- 2.setWindowSize on 645x344 OK19:07:39
- 3.click on css=a:nth-child(4) > .btn-grad OK19:07:39
- 4.click on id=logo OK19:07:40
- **'view orders' completed successfully19:07:40**

5.4.6 view users

Detailed snapshot

	Command	Target	Value
1	open	http://localhost/project%20client%20side/home.php	
2	set window size	645x344	
3	click	css=a:nth-child(6) > .btn-grad	
4	click	id=logo	

Command logs

- 1.open on http://localhost/project%20client%20side/home.php OK19:09:12
- 2.setWindowSize on 645x344 OK19:09:12
- 3.click on css=a:nth-child(6) > .btn-grad OK19:09:12
- 4.click on id=logo OK19:09:13
- **'vie users' completed successfully19:09:13**

5.4.7 logout.php

Detailed snapshot

	Command	Target
1	open	http://localhost/project%20client%20side/home.php
2	set window size	645x344
3	click	id=logout

Command logs

- 1.open on http://localhost/project%20client%20side/home.php OK19:11:04
- 2.setWindowSize on 645x344 OK19:11:04
- 3.click on id=logout OK19:11:04
- **'logout' completed successfully19:11:30**

Chapter 6

Results And Discussion

Every objective and the phases of the test case passed ,which reinforces the quality the software

The platform might fail to run due to following reasons:

- Server problems
- No internet Connectivity
- User other than the existing will not be able to place orders (the problem also acts as a feature for business security).

Chapter 7

Conclusions

7.1 Objective Achieved

The goal to provide a system for my client which helps him/her to do the business was achieved.

All the test cases were successful and all the minimum requirements of the client was achieved.

The satisfaction feedback of client from the product was also great.

A positive feedback was received regarding UI from the Client.

7.2 Significance Of Project

This Project Plays a very important role for our client cause it tackles and solves one of the biggest problem of his/her by moving their business to online.

This project will also play a very important role for the revenue generation of client and also provide job opportunities for many.

7.3 Limitations Of The Project

The platform does solve the requirement’s of the client but the success of this project also depends on other variable like marketing, product availability, reliable service and quality products.

This are the problems which I was unable to solve due to limitations of software influence in the physical world.

7.4 Future Scope Of The Project

The long term goal of this project is make an average seller move their business online as a sole retailer distributor and service provider this empowers the average

business people and will be able to provide better opportunities to them and have a stable business from secure of real world problems like lockdowns restrictions and other problems

7.5 Intended additional future features.

7.5.1 order tracking

Due to time limitations this features was unable to deploy. This feature will be very helpful to track where your order is.

7.5.2 Online payment

Due to limited resources online payment services were unable to deploy but the software was designed according to those considerations.

7.5.3 Subscription Service

This is one of the key features which will make software exceptionally good cause customers will be able to subscribe the water delivery with their custom schedule and usage like daily, thrice-week, twice-week. etc

7.5.4 A Better UI

The UI needs to more rich in function and additional functions needs to added

7.5.5 A faster User Experience

More speed improvements need to done so that the customers can have a faster user experience.

Glossary

Platform: Software designed for the client