

A
Project Report
On
“E-Ration”
Submitted
To
Information Technology Department
April 2022



DR. S & S. S. GHANDHY COLLEGE
OF
ENGINEERING & TECHNOLOGY, SURAT

GUJARAT TECHNOLOGICAL UNIVERSITY

DR. S & S. S. GHANDHY COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT



6th SEMESTER

Project Report

On

“E-Ration”

Submitted

To

Information Technology Department

April 2022

Guided by :

Mr. Chintan Gajjar

Lecturer

Submitted by :

Dhruvpuri Goswami 196120316019

Abhishek Nalla 196120316040



CERTIFICATE

This is to certify that the project work embodied in this report entitled **E-Ration** was carried out by **Dhruvpuri Goswami (196120316019)** and **Abhishek Nalla (196120316040)** at **Dr. S & S. S. Ghandhy College of Engineering & Technology, Surat.**

For partial successful completion of **Project-II (3361606)** of **Semester-6 Diploma Engineering in Information Technology** to be awarded by Gujarat Technological University. This project work has been carried out under my supervision and is to the satisfaction of the department.

Date:

Place: Surat

GUIDE

H.O.D.

PRINCIPAL

**EXTERNAL
EXAMINER**

DECLARATION OF ORIGINALITY

We hereby certify that we are the sole author of this project and that neither any part of this work nor the whole work has been submitted for a degree to any other University or Institution.

We certify that, to the best of our knowledge, our work does not infringe upon anyone's copyright nor violate any proprietary rights and that any ideas, techniques, quotations, or any other material from the work of other people included in our report or otherwise, are fully acknowledged in the accordance with the standard referencing practices.

We declare that this is a true copy of our report, including any final revisions, as approved by our supervisor.

Date:

Place: Surat

Yours Sincerely,

Dhruvpuri Goswami (196120316019)

Abhishek Nalla (196120316040)

ACKNOWLEDGEMENT

We are so glad to present our project report on ‘**E-RATION**’, which is prepared as a part of our final semester project in Diploma Engineering & Technology. This project work is the outcome of guidance provided by the dedicated Information Technology, Dr. S. & S. S. Ghandhy College of Engineering & Technology.

With a profound sense of indebtedness, we use this opportunity to express our sincere gratitude to Prof. JAYDIPSINH MAHIDA, H.O.D. of the Information Technology department for inspiring and permission to carry out our project.

We wish to extend our thanks to our project guide Prof. CHINTAN GAJJAR, department of Information Technology for their keen interest, valuable guidance, and support rendered throughout our project.

Last but not least, thanks to **Dr. S. & S. S. Ghandhy College of Engineering & Technology** for providing us the platform to represent the project.

Yours Sincerely,

Dhruvpuri Goswami (196120316019)

Abhishek Nalla (196120316040)

Abstract

The **E-Ration** is the web portal that provides management of ration in online mode. E-Ration provides a multi-mode payment system, an email notifying service for users to notify that ration is available for user. E-Ration overcomes the flaws of the existing manual system by storing records online.

PROJECT PROFILE:

Project Title: E-Ration

Project Type: Web Application

Front-End: HTML, JAVA Script, CSS, jQuery

Operating System: Windows 7.0 or above

Back-side Language: PHP Language, Xampp Server

Project Guide: Mr. Chintan Gajjar

Submitted By: Abhishek Nalla, Dhruvpuri Goswami

Submitted To: Dr. S. & S.S. Ghandhy College of Engineering & Technology, Surat

Table of Contents

Certificate	I
Declaration of Originality	II
Acknowledgement	III
Abstract	IV
Project Profile	V
Chapter-1 Introduction.....	1
1.1 Specification	2
1.2 Overview of language	2
1.3 Scope of project	3
Chapter-2 Requirement Analysis	4
2.1 Requirement Analysis	5
2.2 Project Life Cycle Model	5
2.3 Software Requirement Specification	7
Chapter-3 System Design.....	10
3.1 ER Diagram	11
3.2 Data Flow Diagram	12
3.3 Data Dictionary	13
Chapter-4 UML	21
4.1 Use case Diagram	22
4.2 Activity Diagram	23
Chapter-5 GUI/Application Interface	24
5.1 Customer Side	25
5.2 Distributor Side	38
5.1 Admin Side	47
Chapter-6 Testing	55
6.1 Home Page	56
6.2 Admin Side	57
6.3 Distributor Side	58
6.4 Customer Side	59
Chapter-7 Advantages, Limitations & Future Enhancement	62
Chapter-8 Conclusion	64
Bibliography	66

Chapter 1

Introduction

1.1 Specification :

❖ **HARDWARE REQUIREMENTS :**

- **Computer / Processor :** Intel(R) Core (TM) i3-3110M CPU @ 2.40GHz
- **Minimum RAM Requirement :** 500 MB or higher recommended
- **Hard Disk :** 256 GB

❖ **SOFTWARE REQUIREMENTS :**

- **Operating system :** Windows 7.0 or above
 - **Front-end :**
 - **Language :** HTML, CSS, java script, Bootstrap
 - **Back-end :**
 - **Database :** PHP, phpMyAdmin

1.2 Overview of language :

❖ **PHP :**

- PHP is a general-purpose server-side scripting language.
- It is an Open-Source language.
- PHP code is executed on the Server.
- Its result is returned to the browser as plain HTML.
- It creates dynamic page content.
- It is compatible with all servers like Apache, xampp, etc.
- It is used to collect data from forms.
- It is used to develop web applications, etc.
- PHP has inbuilt support for working hand in hand with MySQL.

1.3 Scope of Project :

The **E-Ration** is made for the Ration system to maintain all the ration card holder's records and payments online. The **E-Ration** consists of functional modules i.e., Registration, Verification, Payment which makes it more reliable and secure for ration cardholders.

❖ **Limitations of Existing System :**

- Chances of manual error :
 - As a distributor maintains records of the ration on paper manually, there may be chances of manual errors which can be either non-editable or changeless.
- Time consuming, money, and resource :
 - Distributor gives a hand-written receipt even payment is done offline.
- Black-marketing :
 - Distributor may take a bribe and sell ration illegally.
- Past records are not preserved :
 - Paper-based work deteriorates with time thus, records cannot be maintained.

Chapter 2

Requirement Analysis

2.1 Requirement Analysis :

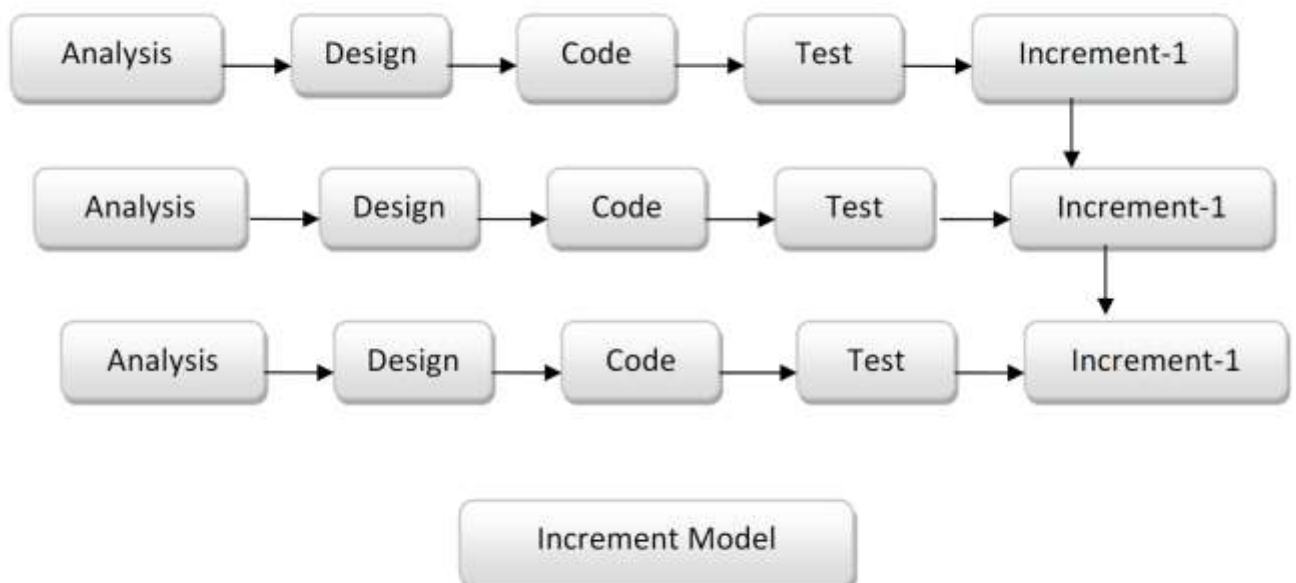
❖ Requirement Analysis :

- Registration of the ration cardholder is done after verifying the Ration Card number.
- ADMIN can add a distributor.
- ADMIN can grant the goods any time if the distributor applies for it.
- Users can log in by entering their Ration card number and password.
- User can make payment in online or offline mode.
- User is notified by email when user stock is available.
- Each and every information of E-Ration is stored in the database.
- Distributor can log in with his assigned PDS No and password.
- Before taking ration, authentication of the receiver is done by sending mail to the user.
- After authentication, the ration is given to the receiver.

2.2 Project Life Cycle Model :

❖ What is an Incremental Model ?

Increment means whenever any S/W develops so that the final product is completely not delivered to the customer and delivered to a part of the product or each and every part provides some functionality.



❖ **With the help of this model :**

1. we already first have the requirements.
2. Then we make a design for our software using requirements.
3. Then start implementation using design.
4. Test separate functions & units.
5. Then combine it and then again test that combined units for making a part of the software for the given client.
6. Then give this part of the software to the client.

❖ **Why we are using the Incremental Model ?**

- As E-Ration is a web portal which means it has to be faster and more convenient for every user while they are interacting with it.
- The E-Ration is made up of many modules such as admin module, user module, etc. We can split the modules and with the help of this model, we can work and split the modules differently using this model.
- In an incremental model, the feedback of the client or the changes given by the client can be implemented in the next level.
- Implementing the changes will not create problems in the incremental model.
- The concept of E-Ration includes frequent changes in the inputs.
- That's why we had chosen the incremental model for the E-ration.

❖ **Existing System of Ration :**

The current system is based on manual work and all the processes are done manually, so they maintain registers and files for storing all the records of the users. The ration is given and payment is accepted offline. So, there may be a chance of blacking marketing.

❖ **Problems and weaknesses of the current system :**

- Black-marketing.
- Difficulty in maintaining the records.
- People have to wait in queues i.e., Time Consuming.

❖ **Proposed System :**

Proposed “E-RATION” made for Ration system to maintain all the records and payments in Online mode. The E-Ration system consists of functional modules i.e., Registration, Verification, Payment. So, our proposed System is an almost digital version of the Existing ration system, which will overcome the flaws of the existing system.

❖ **Purpose of Proposed System :**

- To reduce black-marketing.
- Helpful for citizens and government also.
- Contributes to Digital India.
- Efficient Work through the online mode.
- Reduces the queues at PDS, so less time-consuming.

2.3 Software Requirement Specification (SRS) :

Requirements :

There are two types of Requirements :

1. Functional analysis.
2. Non- Functional analysis.

Functional analysis :

1. User side :

A. Log in/ Register/ Forgot Password :

- Ration card number and password are required for logging in to E-Ration.
- If the user does not have an account, then the user must verify the ration card number, then the user register himself/herself.
- When a user registers himself/herself, that time Aadhar card must be verified.
- User requires email ID to change password.

B. Edit Profile :

- User can edit his/her details.

C. Can Book Ration :

- User can book a ration when the ration is available.
- User will be notified through the mail about ration is available for him/herself.

D. Can Pay Money for Ration :

- User can pay money online or offline mode after booking the ration.

E. Can view members in ration card:

- User can view the member's name and age of his/her ration card.

F. Can post Complaint :

- User can post a complaint against the PDS Shop.

2. Admin side :

A. Admin Can log in/Sign out :

- Admin must enter username and password for login and admin can log out from the session when an admin wants to log out.

B. Grant Ration :

- Distributor requests for ration and Admin approves the ration.

C. Add Distributor :

- Admin can add distributor.

D. Check the Complaints :

- When users post complaints, Admin can view the complaints and can take appropriate steps according to the complaints.

E. Suspend the Distributor :

- Admin can suspend distributor by specifying the reason.

F. Give Stock to the distributors :

- Admin can give stock to the distributor once in a month.

3. Distributor side :

○ Log in/ Forgot Password :

- PDS No and password are required for logging in to E-Ration as distributor0.
- Distributor requires email ID to change password.

○ Edit Profile :

- A distributor can edit his/her details.

○ Check the Stock :

- A distributor can check the stock if stock is available or not.

○ Apply for Stock :

- A distributor can apply for stock if stock is not available.

○ Can View customers :

- A distributor can view the customers under his/her PDS.

○ Can View the statement :

- A distributor can view the statement in between 2 dates.

❖ **Non-Functional analysis :**

- **Availability :**
 - E-Ration must be available for all and it must be open all the time.
- **Security :**
 - When the user login or signup the password is stored in the MD5 format and another user can't see the password.
- **Reliability :**
 - E-Ration must be reliable for use that can user believe on the system.
- **Scalability :**
 - The scale of the E-Ration is increment by the users will increase.
- **Flexibility :**
 - E-Ration should be able to adapt the future updates.
- **Maintainability :**
 - E-Ration should be able to maintain easily and support changes that are done in the future.

Chapter 3

System Design

3.1 E-R Diagram :

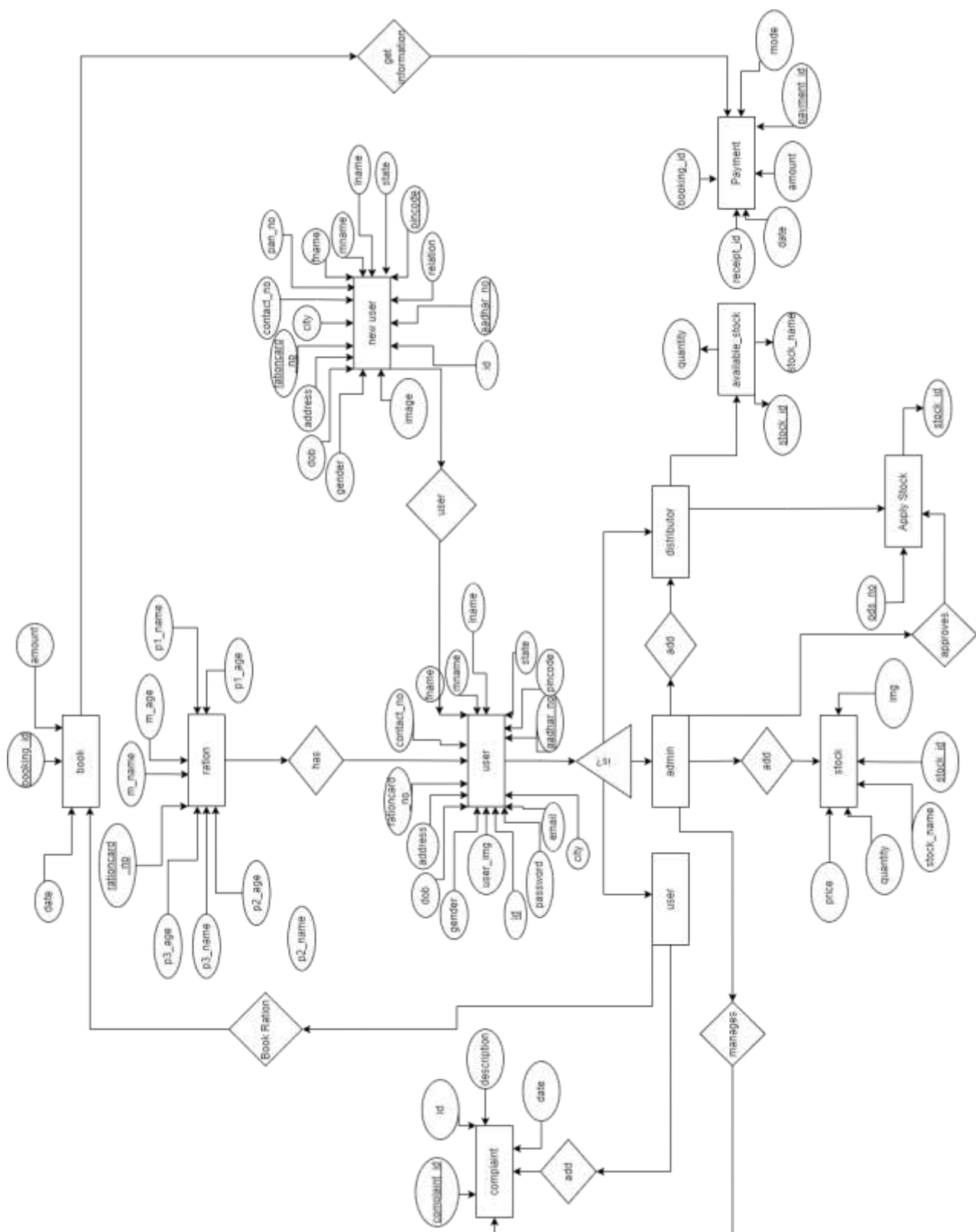
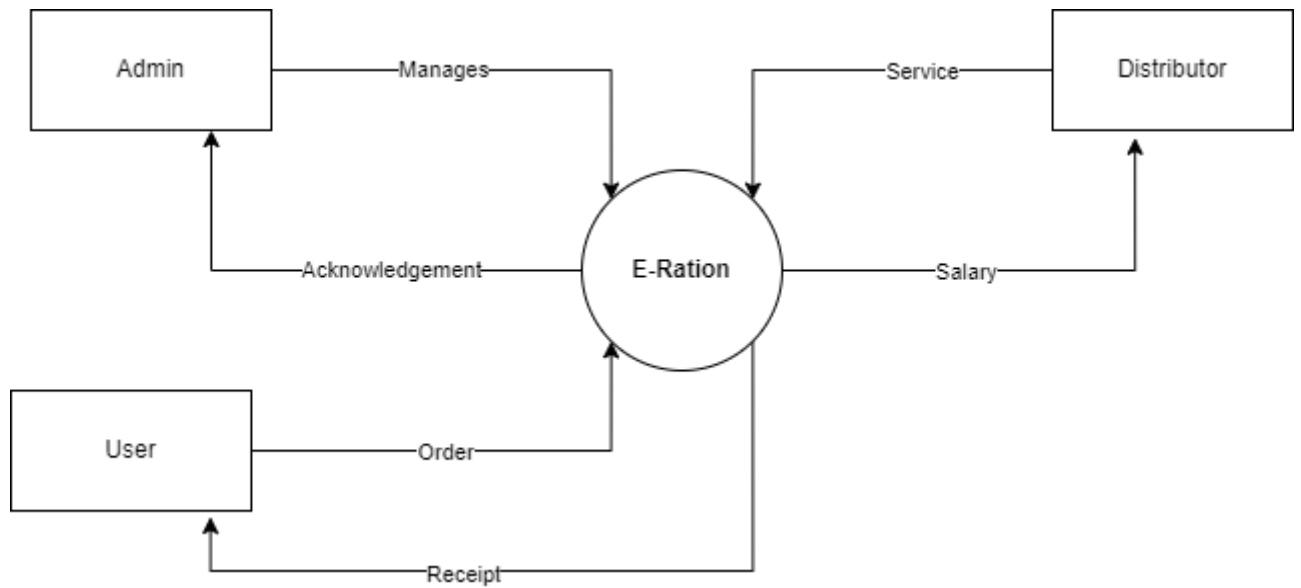


Figure 3.1 (a)

3.2 Data Flow Diagram [DFD] :

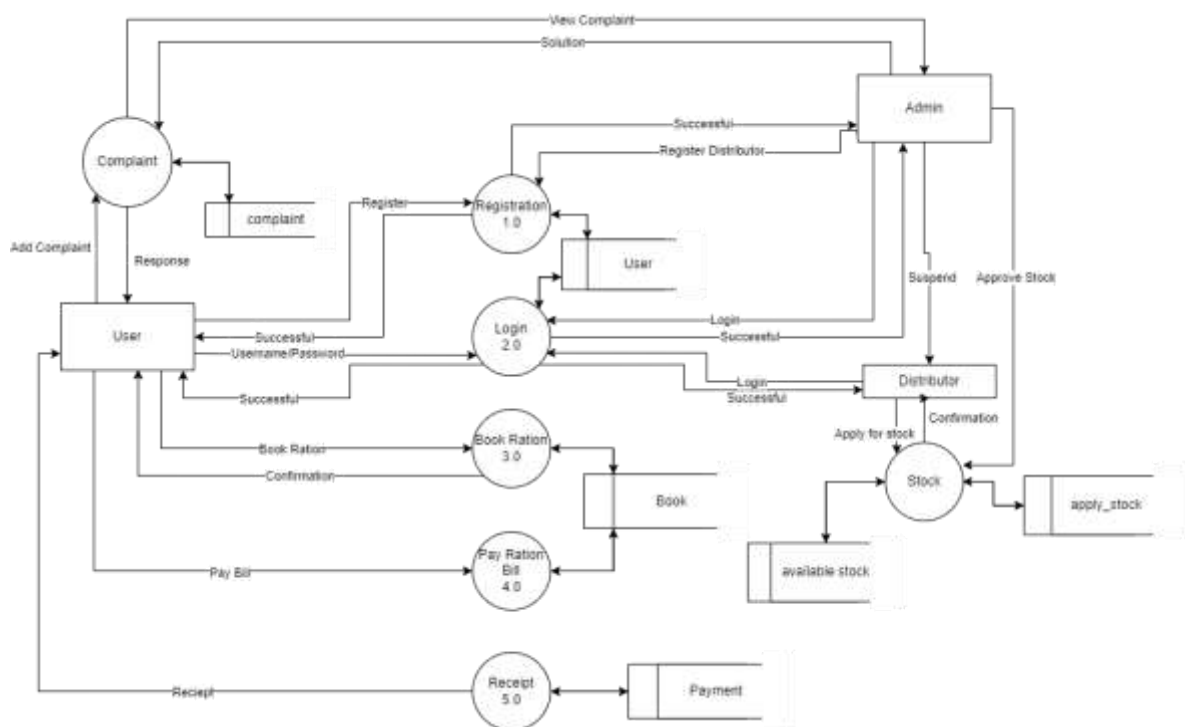
❖ Zero level DFD :



[Context Level/Zero Level DFD]

Figure 3.2 (a)

❖ 1st level DFD :



[1st Level DFD]

Figure 3.2 (b)

3.3 Data Dictionary :

Name of Table : tbl_ration

Attributes	Data type	Constraints	Description
rationcard_no	varchar(15)	Primary Key	Rationcard No of user
m_name	varchar(255)	-	Name of Main user
m_age	varchar(255)	-	Age of Main user
m_aadhar	varchar(12)		Aadhar No of main user
p1_name	varchar(255)	-	Name of second person
p1_age	varchar(255)	-	Age of second person
p1_aadhar	varchar(12)		Aadhar No of second person
p2_name	varchar(255)	-	Name of third person
p2_age	varchar(255)	-	Age of third person
p2_aadhar	varchar(12)		Aadhar No of third person
p3_name	varchar(255)	-	Name of forth person
p3_age	varchar(255)	-	Age of forth person
p3_aadhar	varchar(12)		Aadhar No of forth person
f_members	int(11)	-	Total family members

Name of Table : tbl_user

Attributes	Data type	Constraints	Description
u_id	int(11)	Primary Key	Id of user
fname	varchar(20)	-	First name of user
mname	varchar(20)	-	Middle name of user
lname	varchar(20)	-	Last name of user
address	varchar(100)	-	Address of user
contact_no	varchar(10)	-	Contact_no of user
gender	varchar(10)	-	Gender of user

dob	Date	-	Date of birth of user
aadhar_no	varchar(12)	-	Aadhar_no. of user
rationcard_no	varchar(15)	Foreign Key	Rationcard no. of user
city	varchar(10)	-	City of user
state	varchar(10)	-	State of user
pincode	varchar(6)	-	Pincode of user
image	Varchar(255)	-	Image of user
email_id	varchar(30)	-	Email-ID of user
password	varchar(40)	-	password of user for login

Name of Table : tbl_distributor

Attributes	Data type	Constraints	Description
d_id	int(11)	Primary Key	Id of Distributor
fname	varchar(20)	-	First name of Distributor
mname	varchar(20)	-	Middle name of Distributor
lname	varchar(20)	-	Last name of Distributor
address	varchar(100)	-	Address of Distributor
contact_no	varchar(10)	-	Contact_no of Distributor
gender	varchar(10)	-	Gender of Distributor
dob	Date	-	Date of birth of Distributor
aadhar_no	varchar(12)	-	Aadhar_no of Distributor
pds_no	varchar(10)	Unique Key	PDS no of Distributor
city	varchar(10)	-	City of Distributor
state	varchar(10)	-	State of Distributor
pincode	varchar(6)	-	Pincode of Distributor

image	Varchar(255)	-	Image of Distributor
email_id	varchar(50)	-	Email id of Distributor
password	Varchar(40)	-	Password of Distributor

Name of Table : tbl_available_stock

Attributes	Data type	Constraints	Description
pds_no	int(10)	-	PDS no of Distributor
d_id	int(10)	-	Id of Distributor
d_fname	varchar(255)	-	First Name of Distributor
d_mname	varchar(255)	-	Middle Name of Distributor
d_lname	varchar(255)	-	Last Name of Distributor
stock_id	int(10)	Foreign Key	Stock_ID of ration
stock_name	varchar(255)	Foreign Key	Name of Stock
quantity	int(10)	-	Quantity of ration

Name of Table: tbl_apply_stock

Attributes	Data type	Constraints	Description
ap_id	int(10)	Primary key	Applied id
date	Date	-	Date on which applied
stock_name	varchar(255)	Foreign key	Stock Name
stock_price	int(10)	Foreign key	Stock Price
d_fname	varchar(255)	-	Distributor First Name
d_mname	varchar(255)	-	Distributor Middle Name
d_lname	varchar(255)	-	Distributor Last Name
quantity	int(10)	-	Applied Quantity
status	varchar(255)	-	Approved Status

stock_id	varchar(10)	Foreign Key	Stock_ID of ration
pds_no	varchar(10)	Foreign Key	PDS_no of shop

Name of Table : tbl_complaint

Attributes	Data type	Constraints	Description
complaint_id	varchar(10)	-	Complaint_ID of user
date	Date	-	Date of complaint
description	varchar(255)	-	Description of complaint
u_id	int(5)	-	Id of user
u_fname	varchar(255)	-	First name of user
u_mname	varchar(255)	-	Middle name of user
u_lname	varchar(255)	-	Last name of user
pds_no	int(5)	Foreign Key	PDS no of Distributor

Name of Table : tbl_book

Attributes	Data type	Constraints	Description
booking_id	int(11)	Primary Key	Booking_ID of order
date	Date	-	Date of booking
amount	varchar(5)	-	Total Amount
rationcard_no	varchar(15)	-	Rationcard No of user
status	int(11)	-	Booking Status
items	int(15)	-	User selected items
ration_grant	int(11)	-	Ration is given or not

given_date	Date	-	Ration given date
status_for_mail	int(11)	-	Status of mail after 1 month
authentication	int(11)	-	Authentication of user at PDS

Name of Table : tbl_payment

Attributes	Data type	Constraints	Description
payment_id	varchar(10)	Primary Key	Payment_ID of order
date	Date	-	Date of payment
amount	varchar(5)	-	Total Amount
mode	varchar(20)	-	Mode of payment
booking_id	varchar(10)	Foreign Key	Booking_ID of order
time	time	-	Time of payment

Name of Table : tbl_pds

Attributes	Data type	Constraints	Description
pds_no	int(10)	-	PDS no of Distributor
stock_name	varchar(255)	-	Stock Name
quantity	int(5)	-	Quantity of Stock

Name of Table : tbl_receipt

Attributes	Data type	Constraints	Description
receipt_id	int(10)	Primary Key	Receipt_ID of order
u_name	varchar(255)	-	Name of user
u_contact	varchar(10)	-	Contact number of user

amount	int(10)	-	Total Amount
rationcard_no	varchar(15)	-	Rationcard No of user
time	Time	-	Time of receipt creation
date	Date	-	Date of receipt creation
tid	varchar(50)	-	Transaction id
state	varchar(10)	-	State of payment
d_id	int(11)	Foreign Key	Distributor Id

Name of Table : tbl_dist_receipt

Attributes	Data type	Constraints	Description
receipt_id	int(10)	Primary Key	Receipt_ID of order
booking_id	int(11)	Foreign Key	Booking Id
date	Date	-	Date when the ration is given
rationcard_no	varchar(15)	Foreign Key	Ration card No of user
d_pds	int(5)	Foreign Key	PDS No of Distributor
amount	int(10)	-	Total Amount

Name of Table : tbl_send_request

Attributes	Data type	Constraints	Description
name	varchar(255)	-	Name of user
date	Date	-	Date of request
email	varchar(255)	-	Email of user
subject	varchar(255)	-	Subject of request
message	varchar(255)	-	Message of request

Name of Table : tbl_stock

Attributes	Data type	Constraints	Description
stock_id	int(10)	Primary Key	Receipt_ID of order
stock_name	varchar(255)	-	Name of user
stock_price	int(10)	-	Contact number of user
img	varchar(255)	-	Total Amount
quantity	int(10)	-	Rationcard No of user
d_id	int(11)	Foreign Key	Distributor Id

Name of Table : tbl_suspend_dist

Attributes	Data type	Constraints	Description
id	int(10)	Primary Key	Id of table
pds_no	int(10)	-	PDS No of Distributor
fname	varchar(20)	-	Distributor First Name
mname	varchar(20)	-	Distributor Middle Name
lname	varchar(20)	-	Distributor Last Name
contact_no	varchar(10)	-	Distributor Contact No
email_id	varchar(50)	-	Distributor Email Id
reason	varchar(255)	-	Suspend Reason
suspend_date	Date	-	Suspended Date

Name of Table : tbl_give_stock

Attributes	Data type	Constraints	Description
id	int(11)	Primary Key	Id of table
pds_no	int(10)	-	PDS No of Distributor
stock_name	varchar(255)	-	Stock Name
quantity	int(5)	-	Quantity of particular stock
date	Date	-	Date at which ration is assigned to all distributor

Chapter 4

UML

4.1 Use case Diagram :

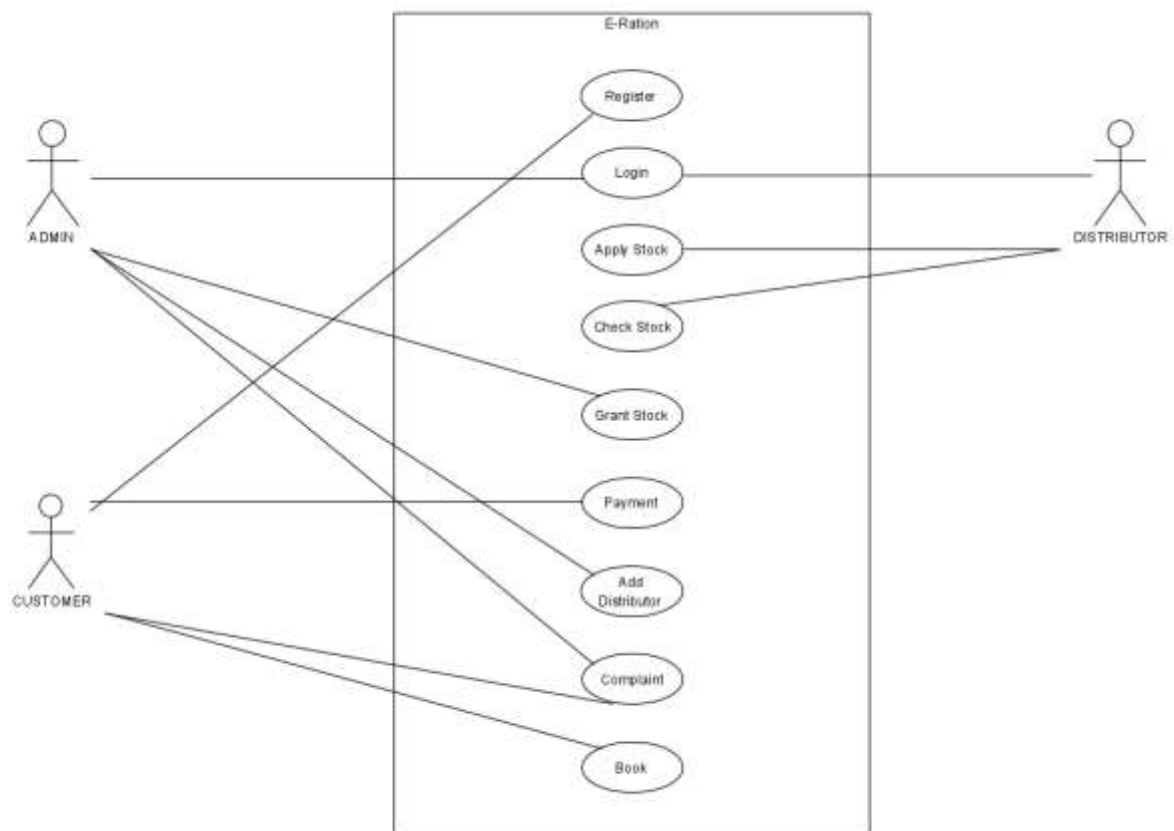


Figure 4.1 (a)

4.2 Activity Diagram :

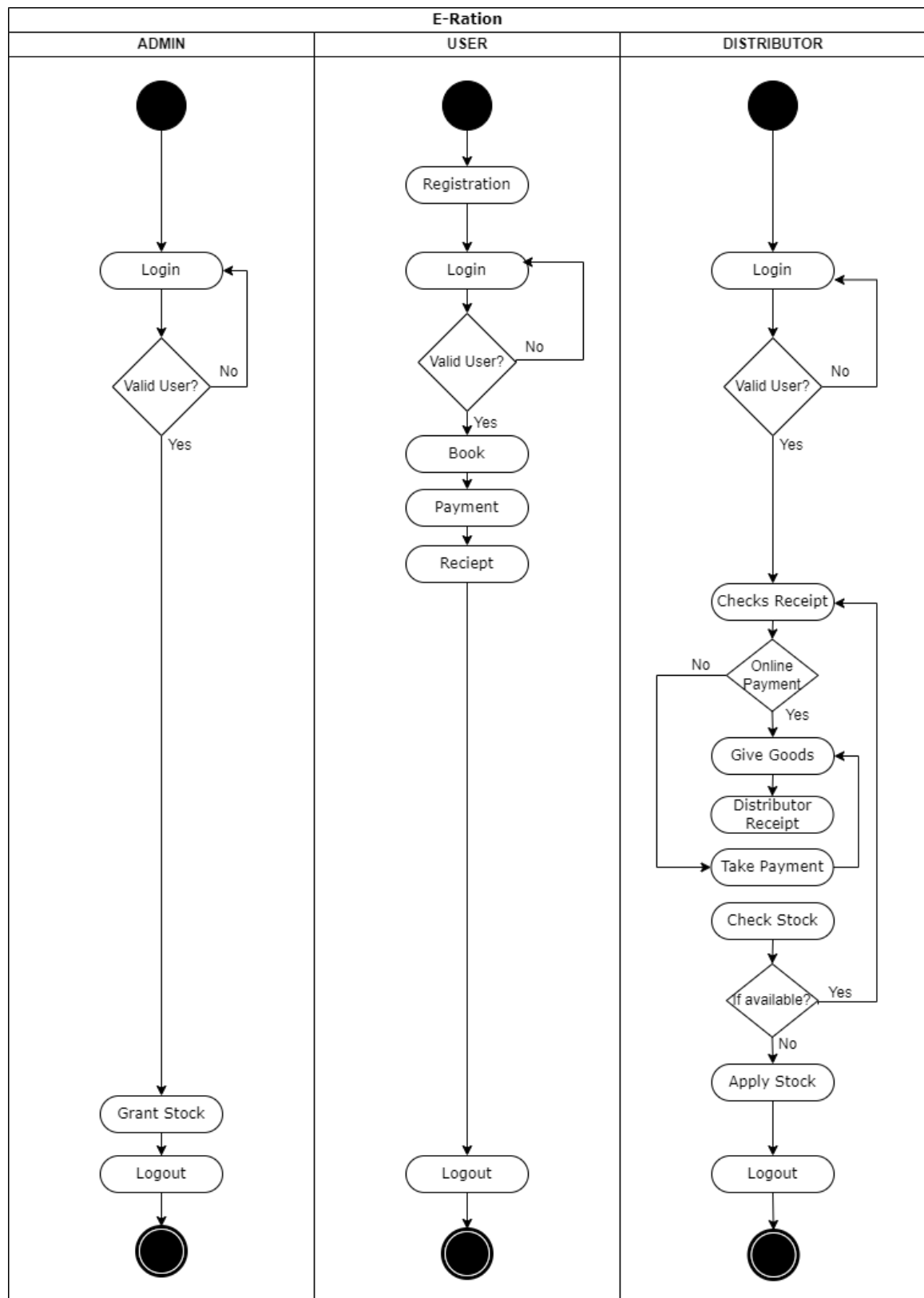


Figure 4.2 (a)

Chapter 5

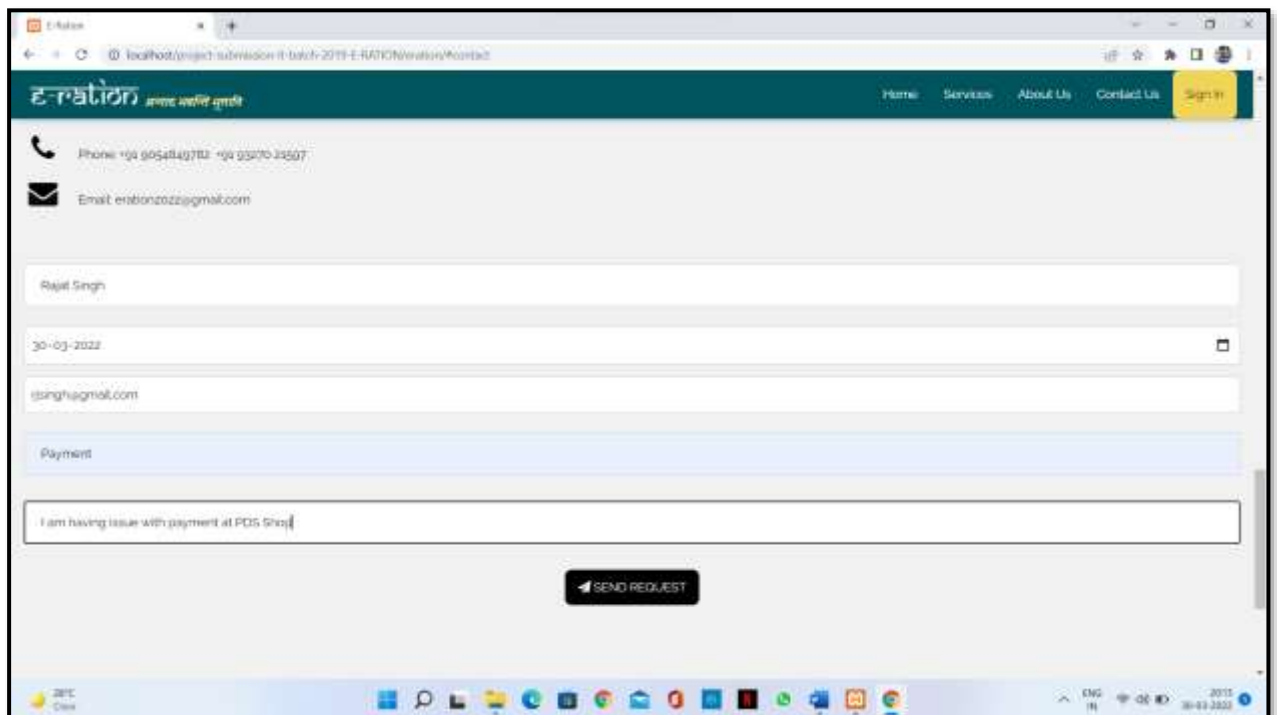
GUI/Application Interface

5.1 Customer Side :

Home Page :



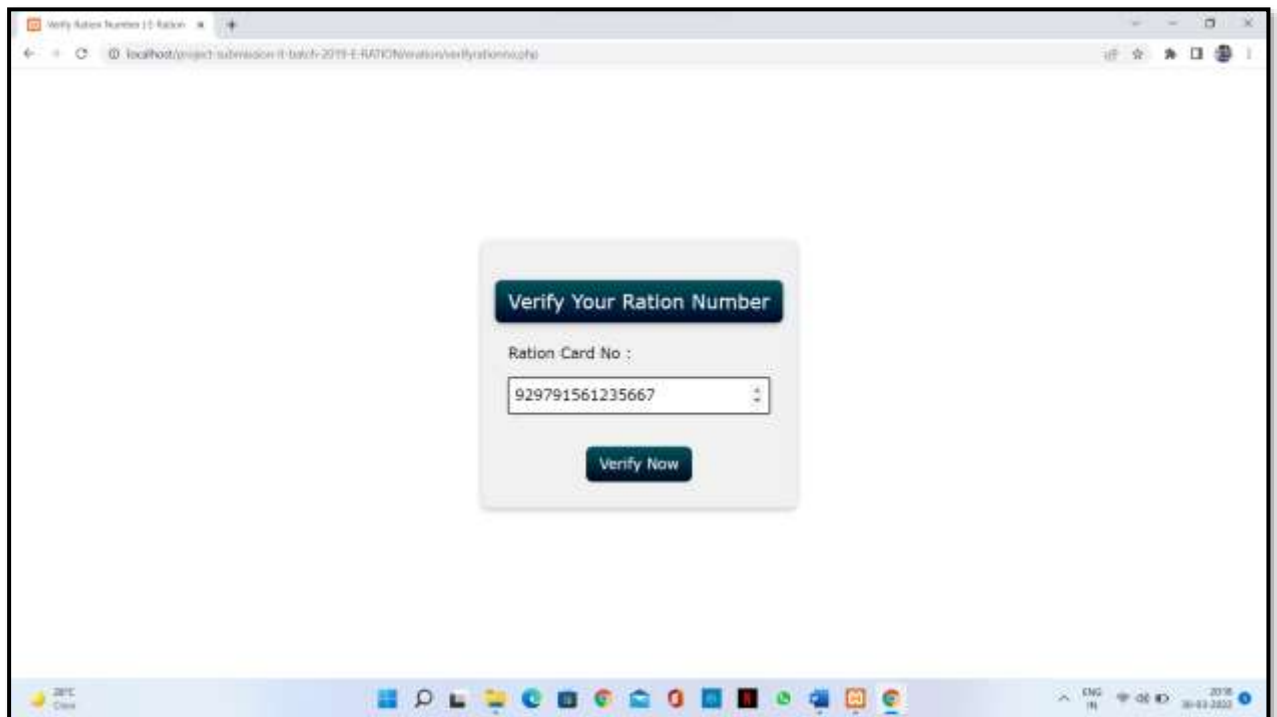
Contact Us :



After hitting Send Request Button :



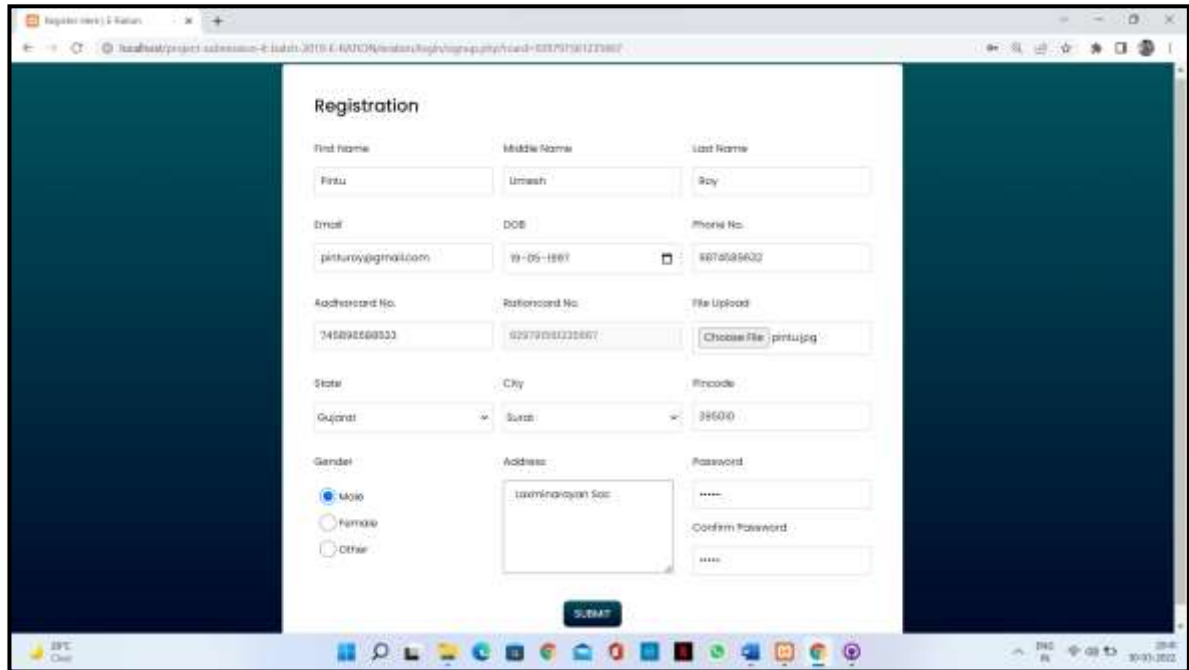
Verifying the Ration Card Number for New User :



After hitting Verify Now :



Registering User :



The screenshot shows a web browser window with the URL `localhost/project-submission-E-batch-2019-E-RATION/watson/login/signup.php?card=82579154/123067`. The page is titled "Registration" and contains a form with the following fields:

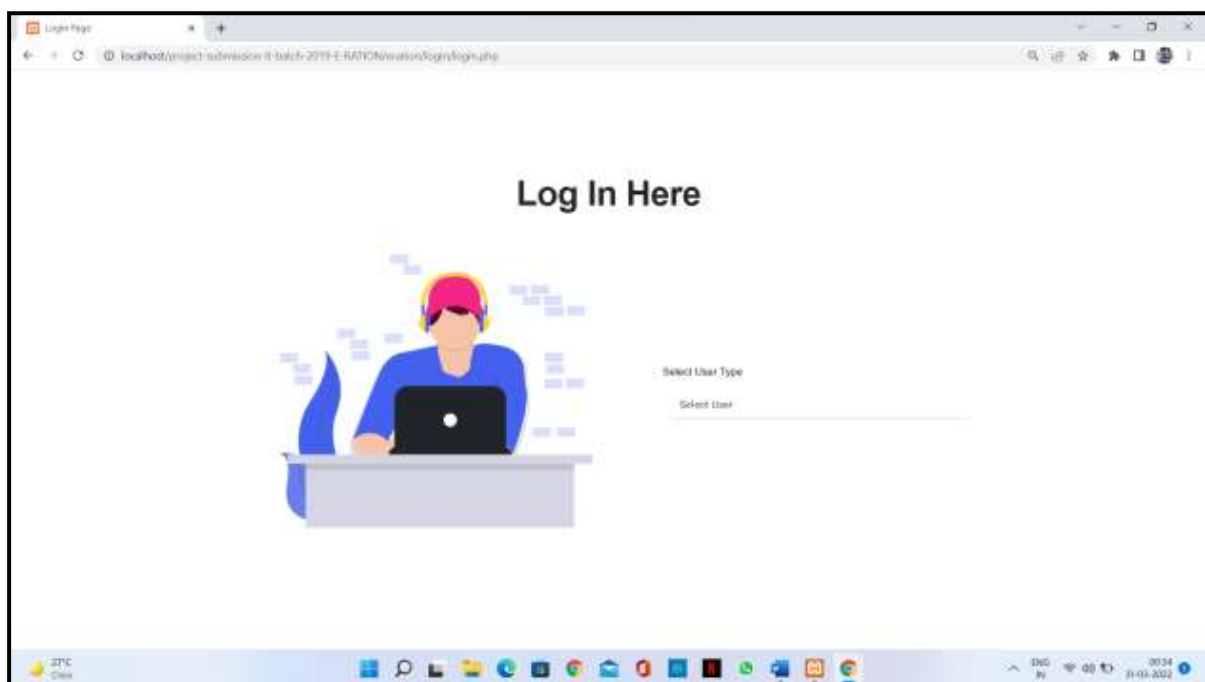
- First Name:
- Middle Name:
- Last Name:
- Email:
- DOB:
- Phone No.:
- Aadharcard No.:
- Rationcard No.:
- File Upload: (pintu.jpg)
- State:
- City:
- Pincode:
- Gender: ☒ Male, ☐ Female, ☐ Other
- Address:
- Password:
- Confirm Password:

A green "SUBMIT" button is located at the bottom right of the form.

After hitting Submit :

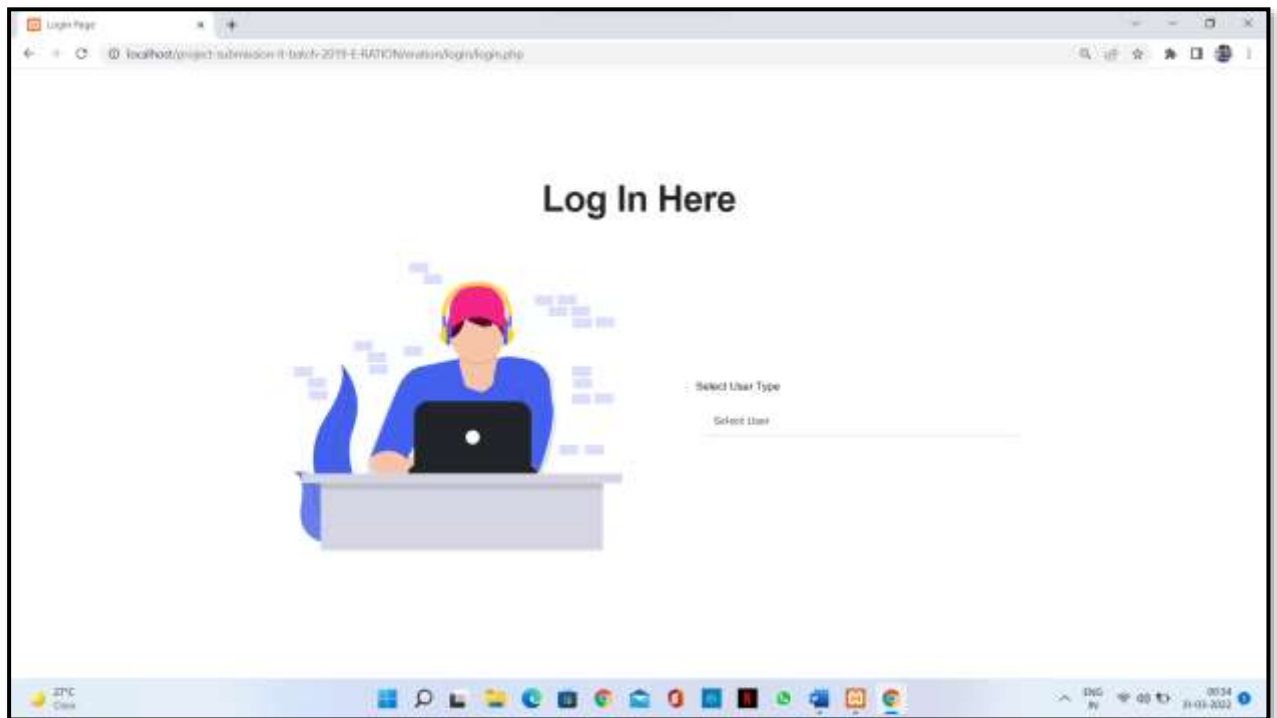


Login Page :

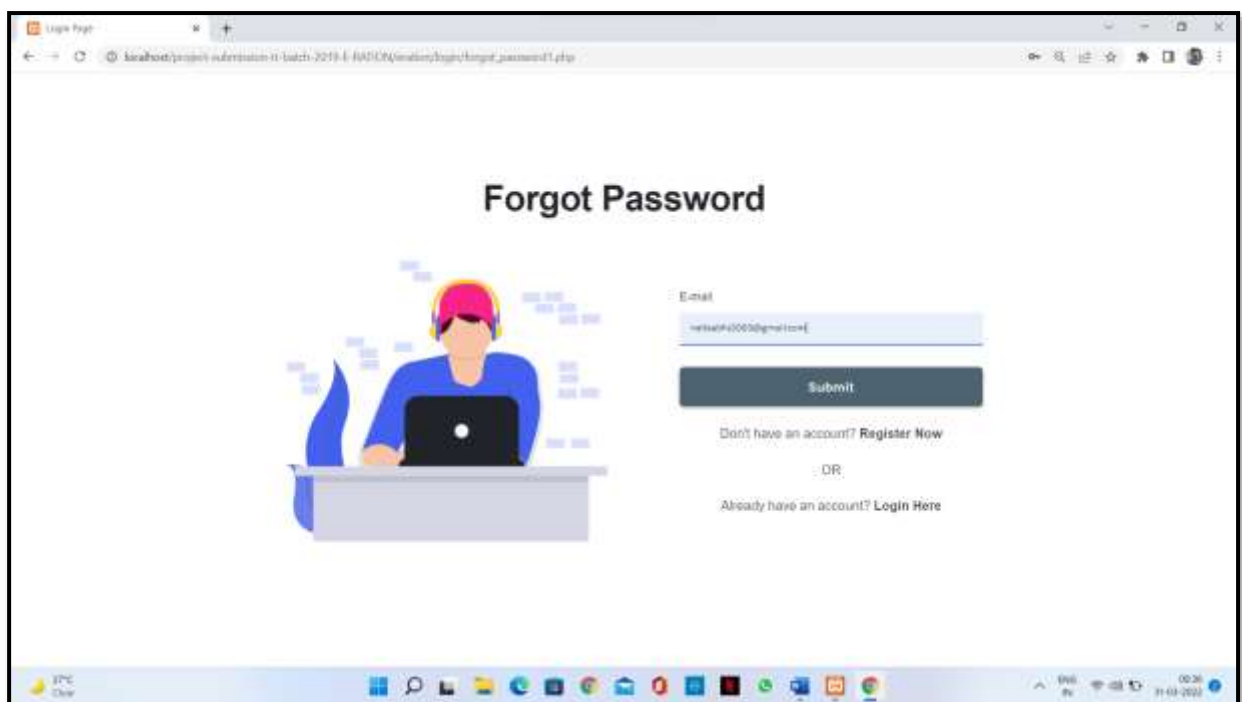


The screenshot shows a web browser window with the URL `localhost/project-submission-E-batch-2019-E-RATION/watson/login/login.php`. The page is titled "Log In Here" and features an illustration of a person wearing a headset and working on a laptop. To the right of the illustration, there is a "Select User Type" dropdown menu and a "Select User" input field.

Logging in as a customer :

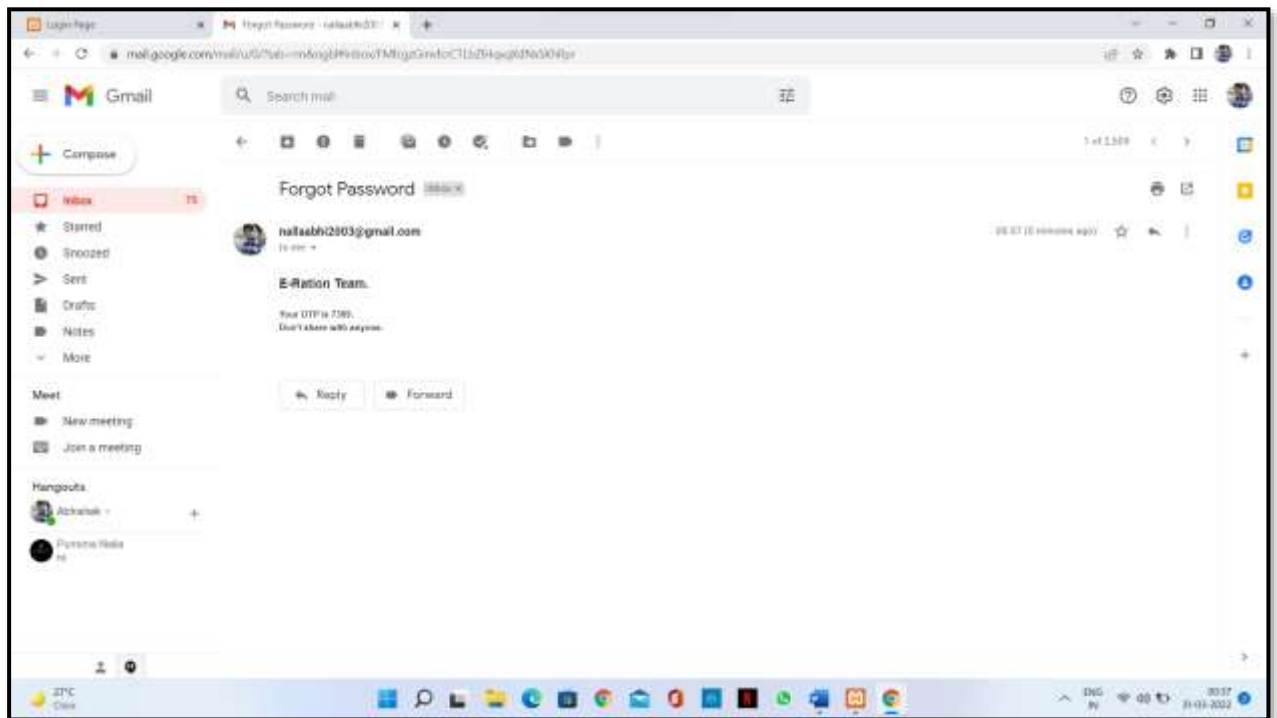


Forgot Password :

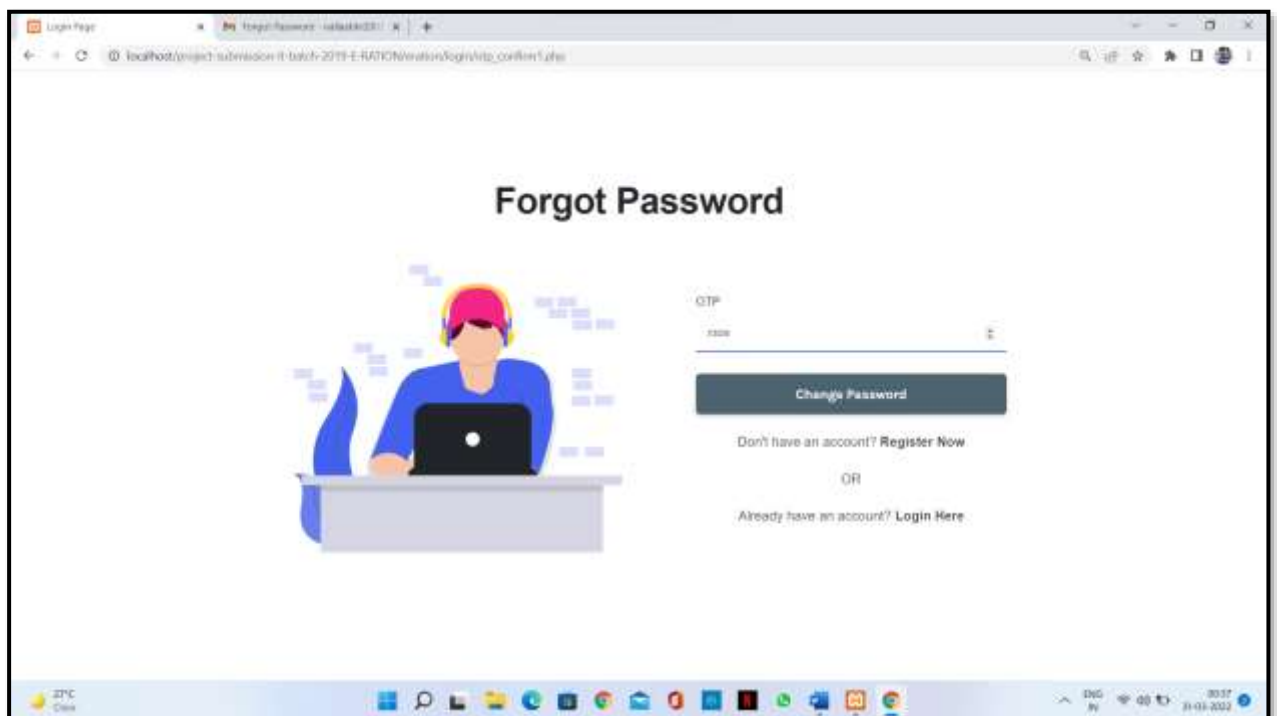


After entering email id :

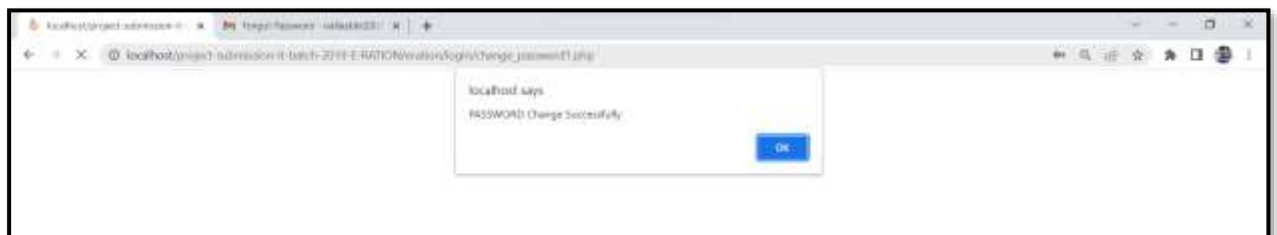
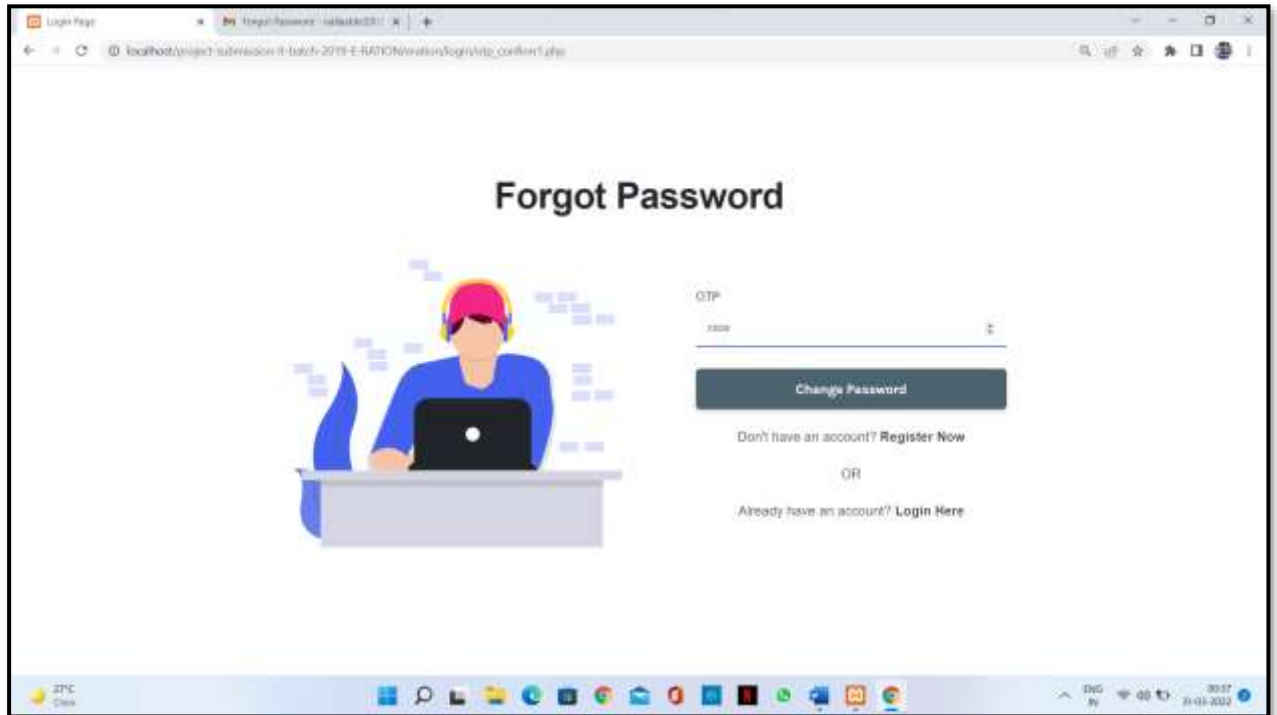




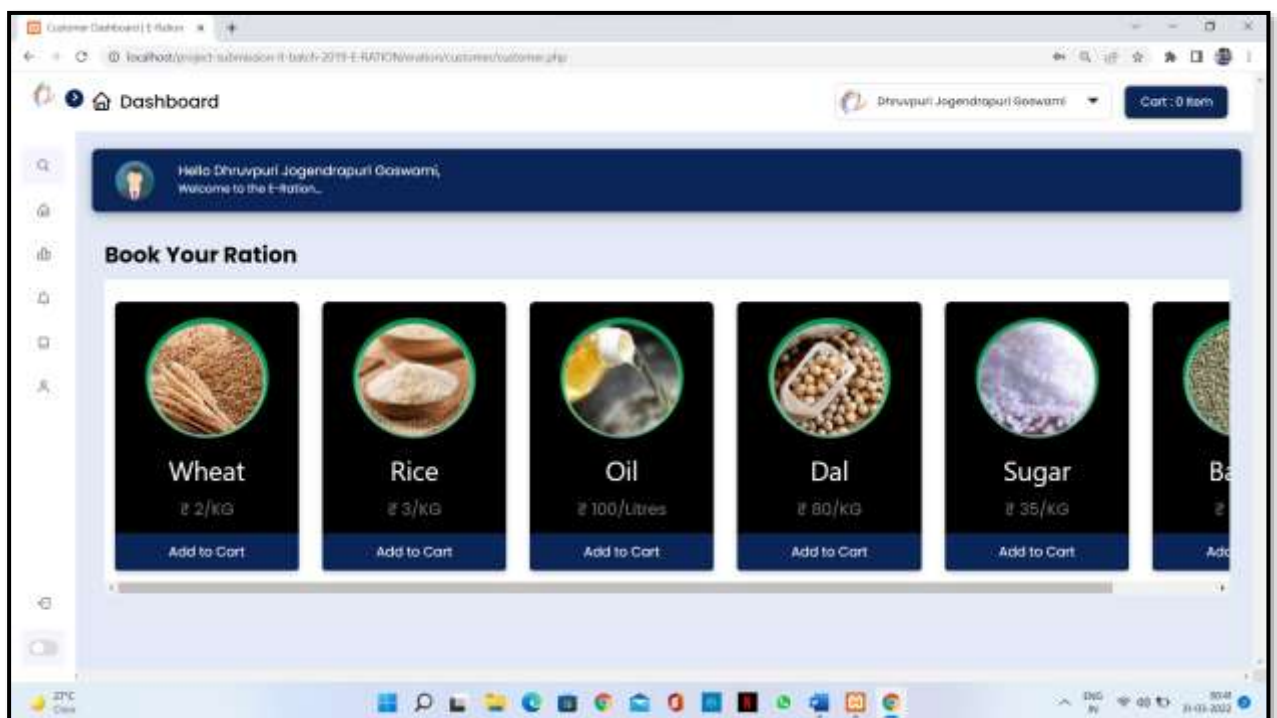
Entering OTP :



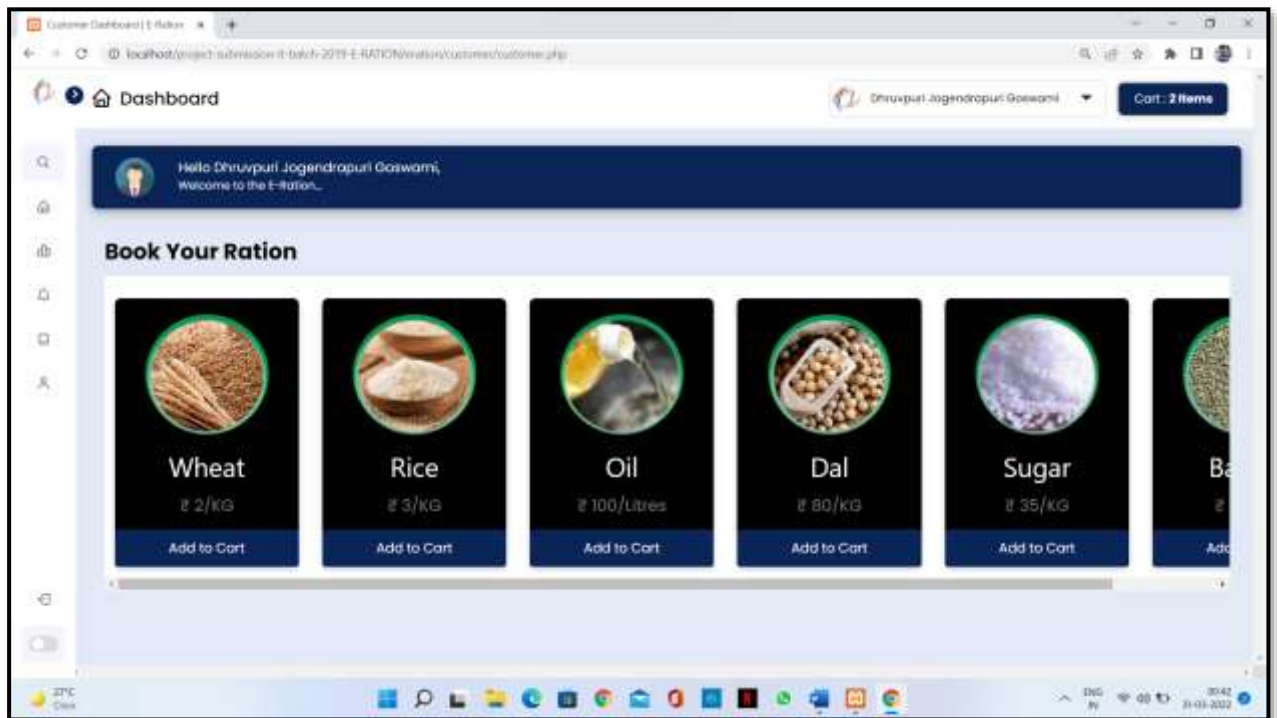
Change Password :



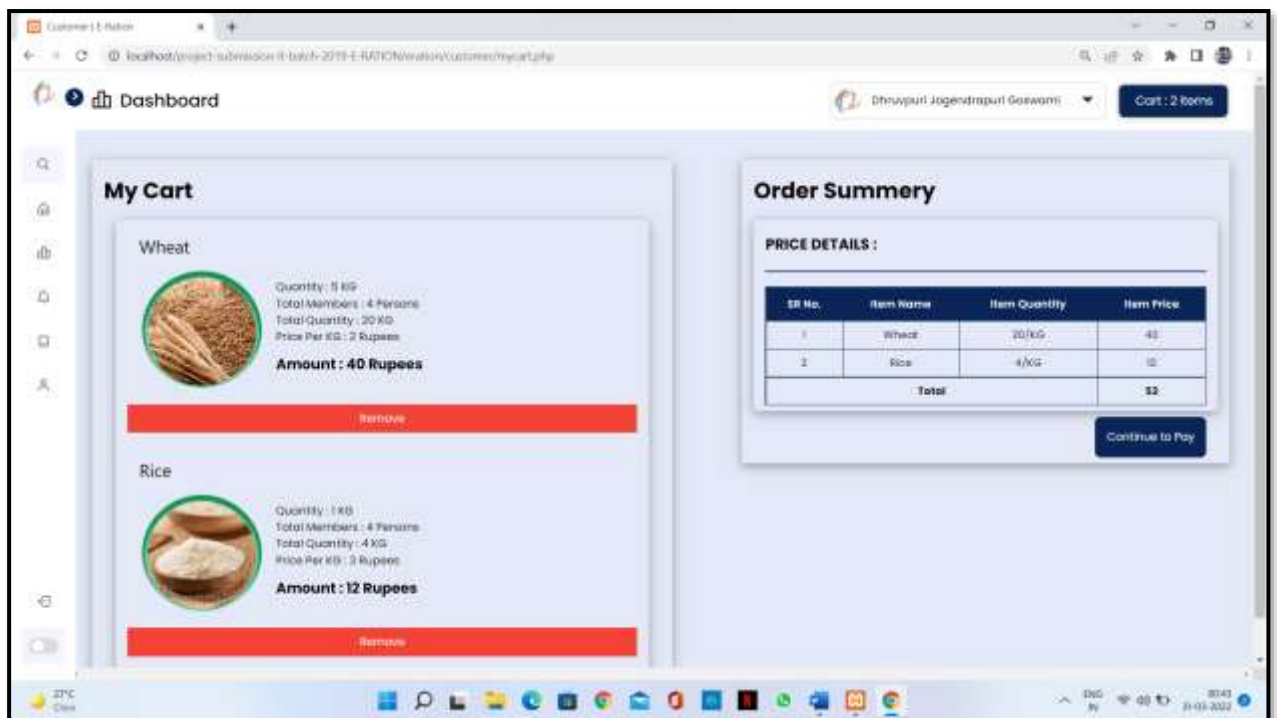
Customer Dashboard :



Adding items to the cart :

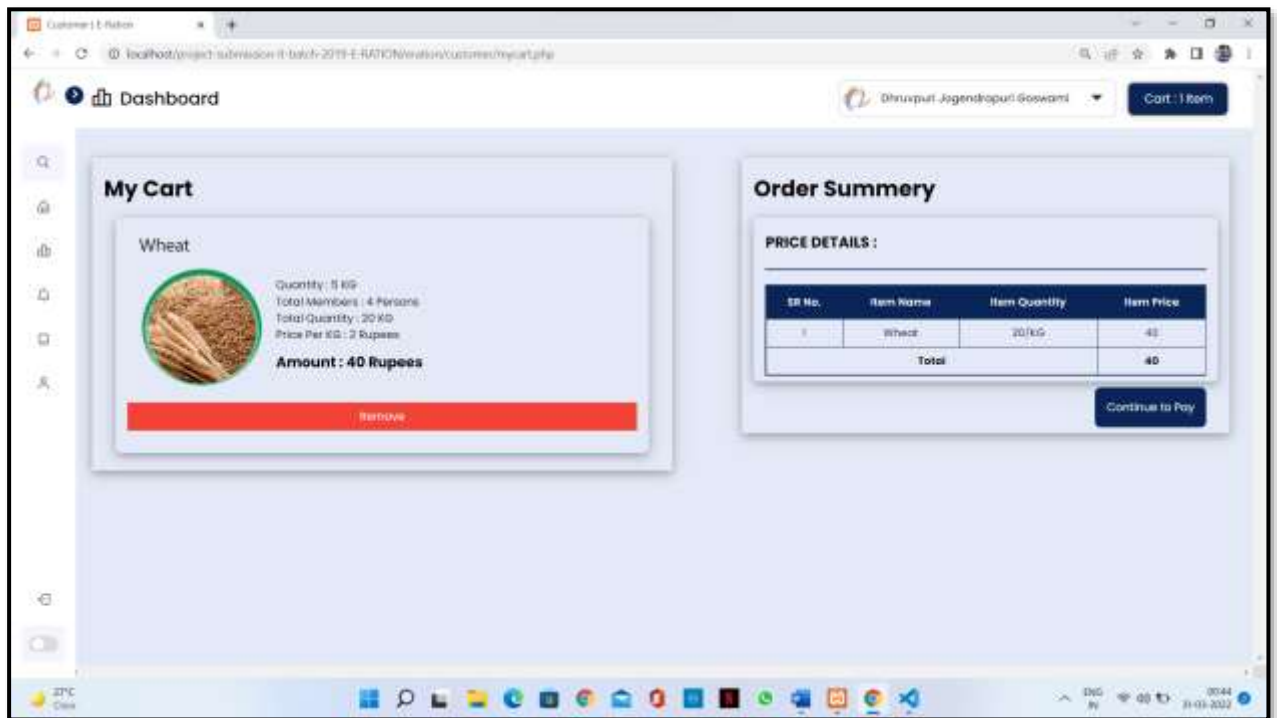


Cart :

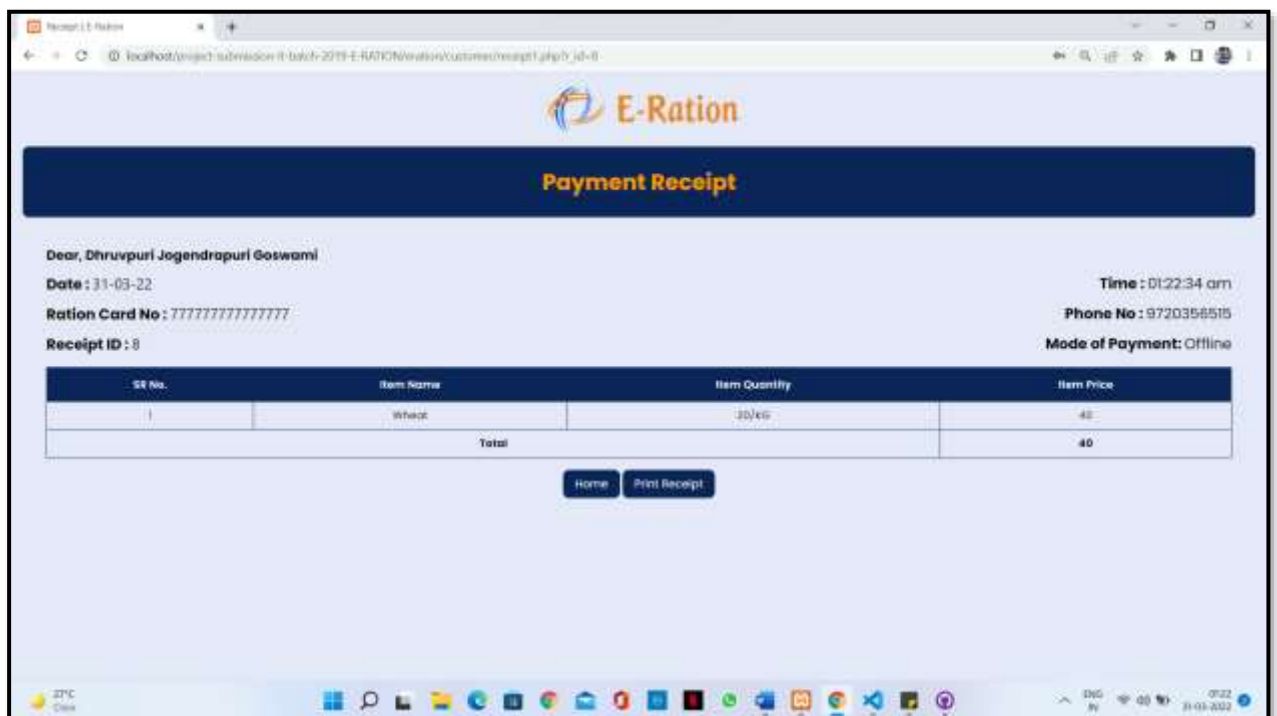


Removing Rice :

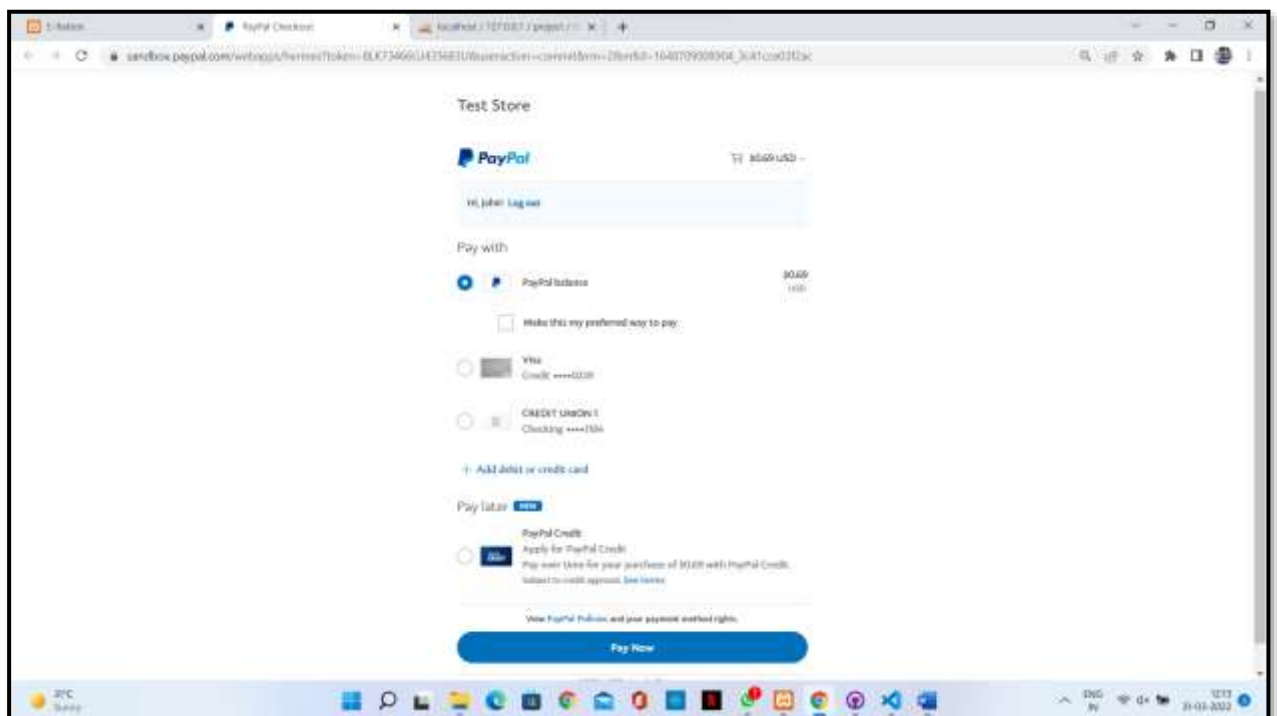
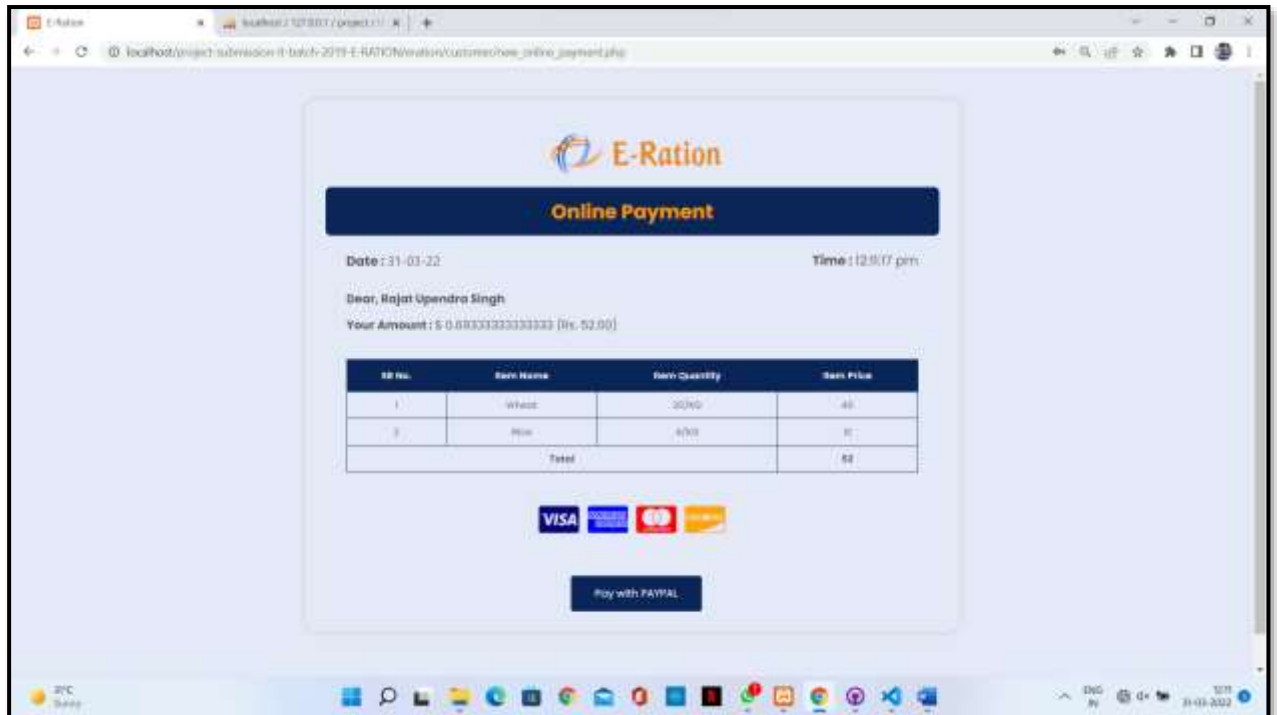


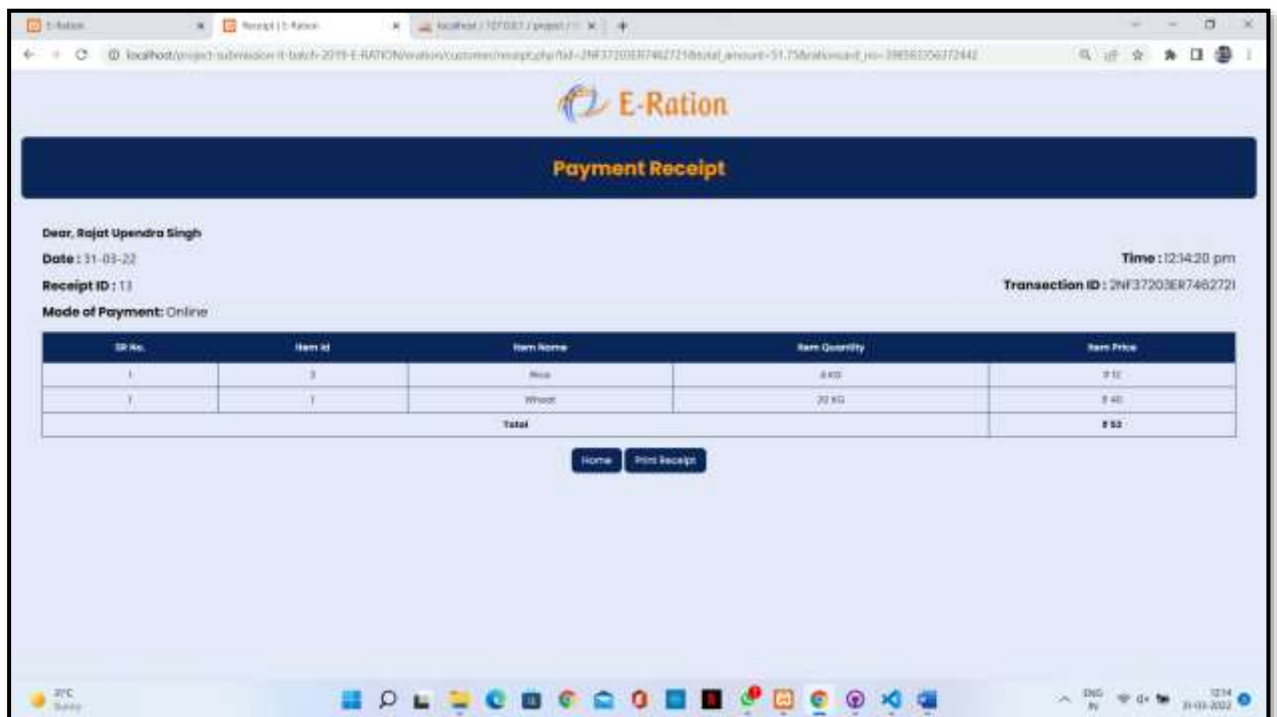
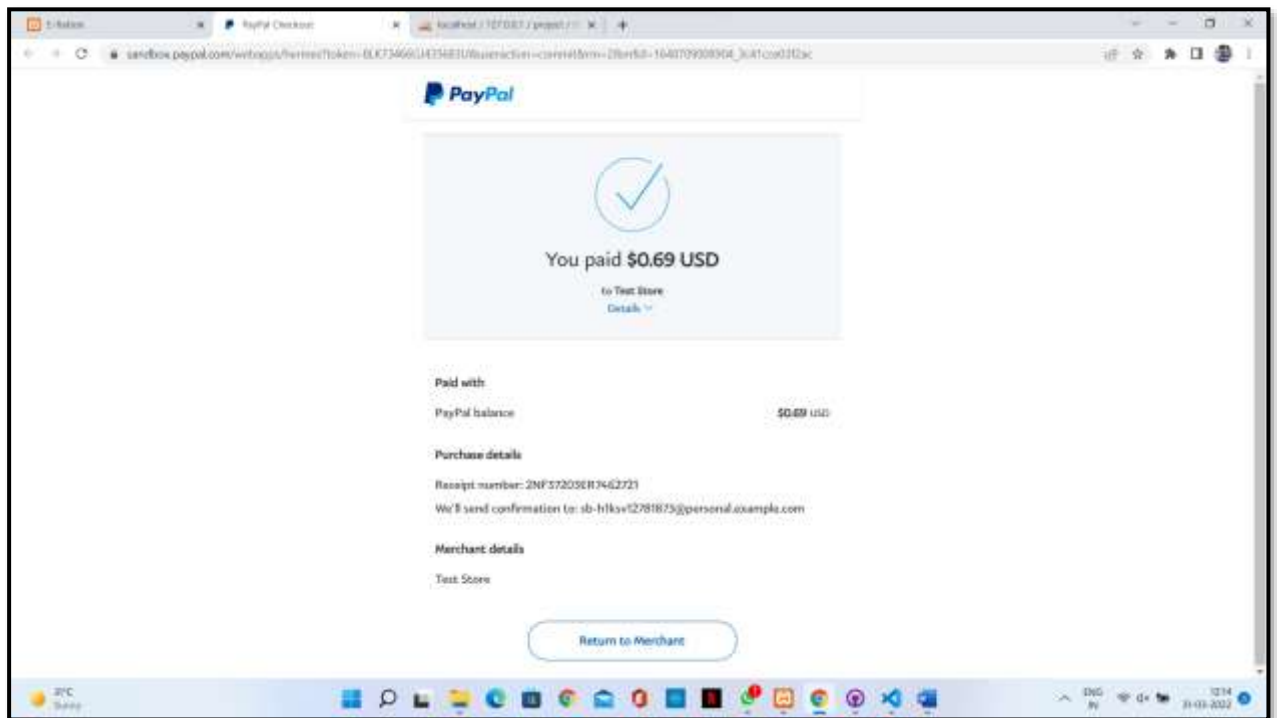


Paying Offline Receipt :

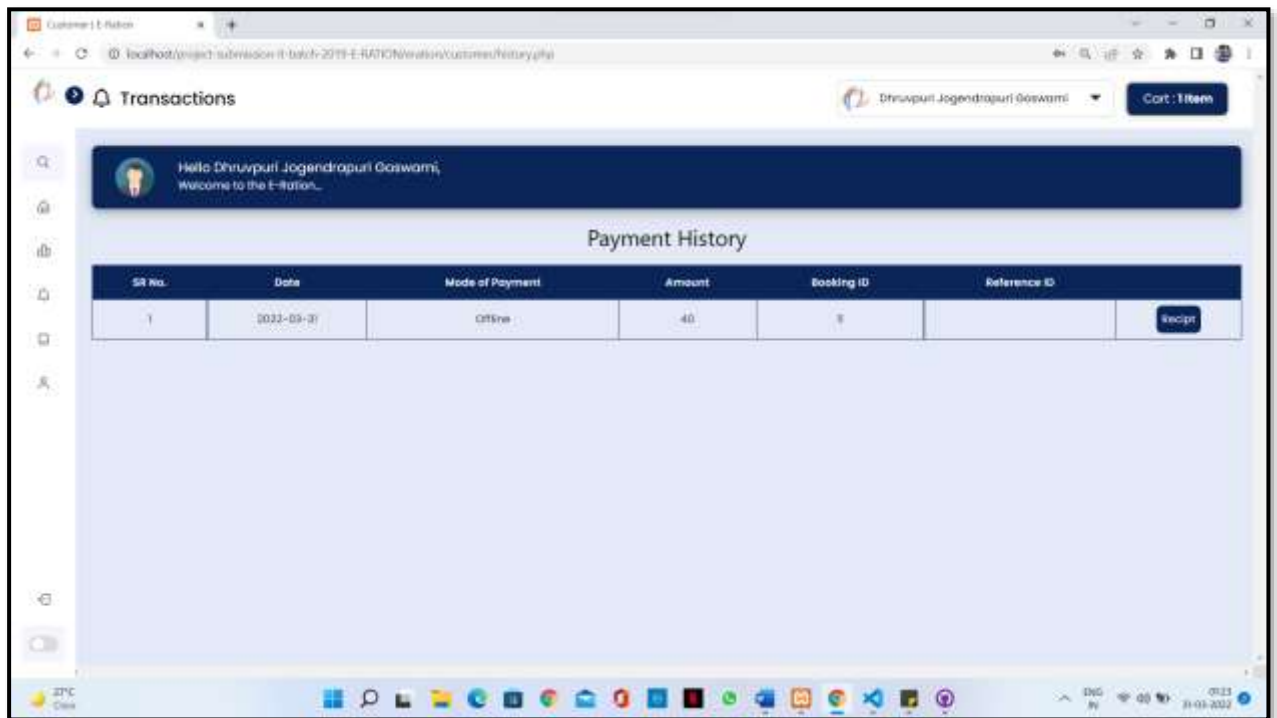


Paying Online :

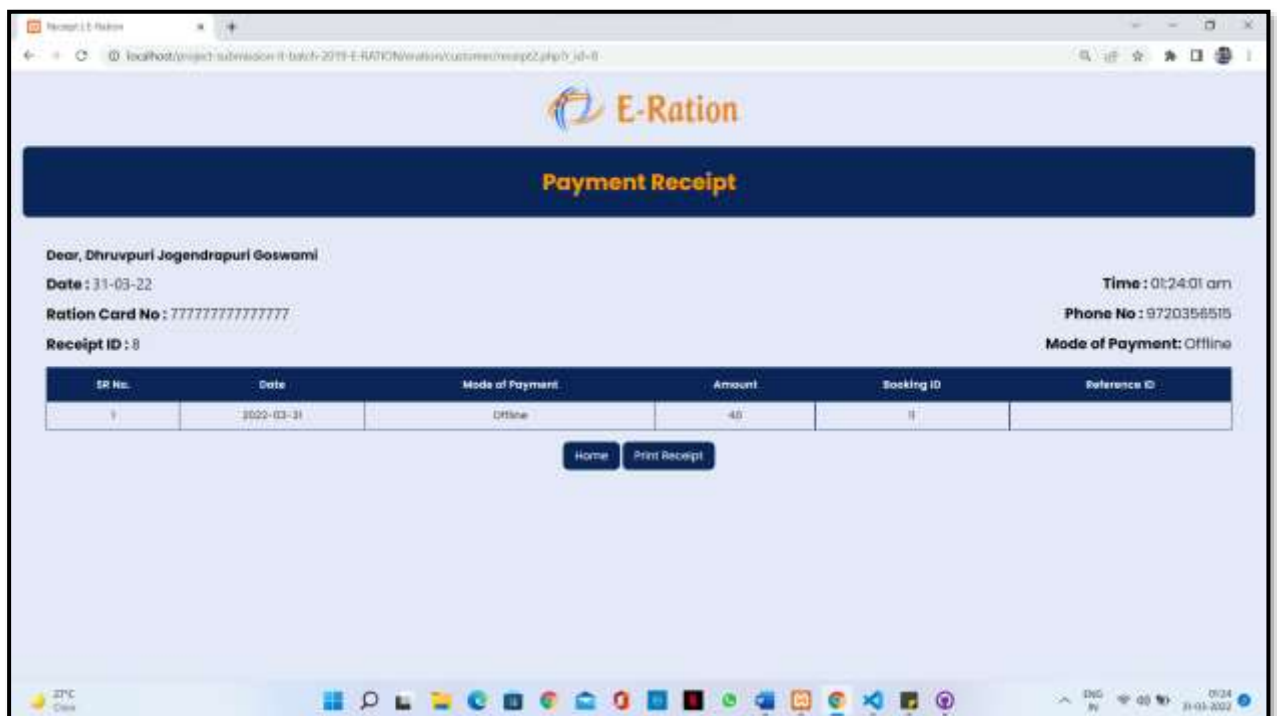




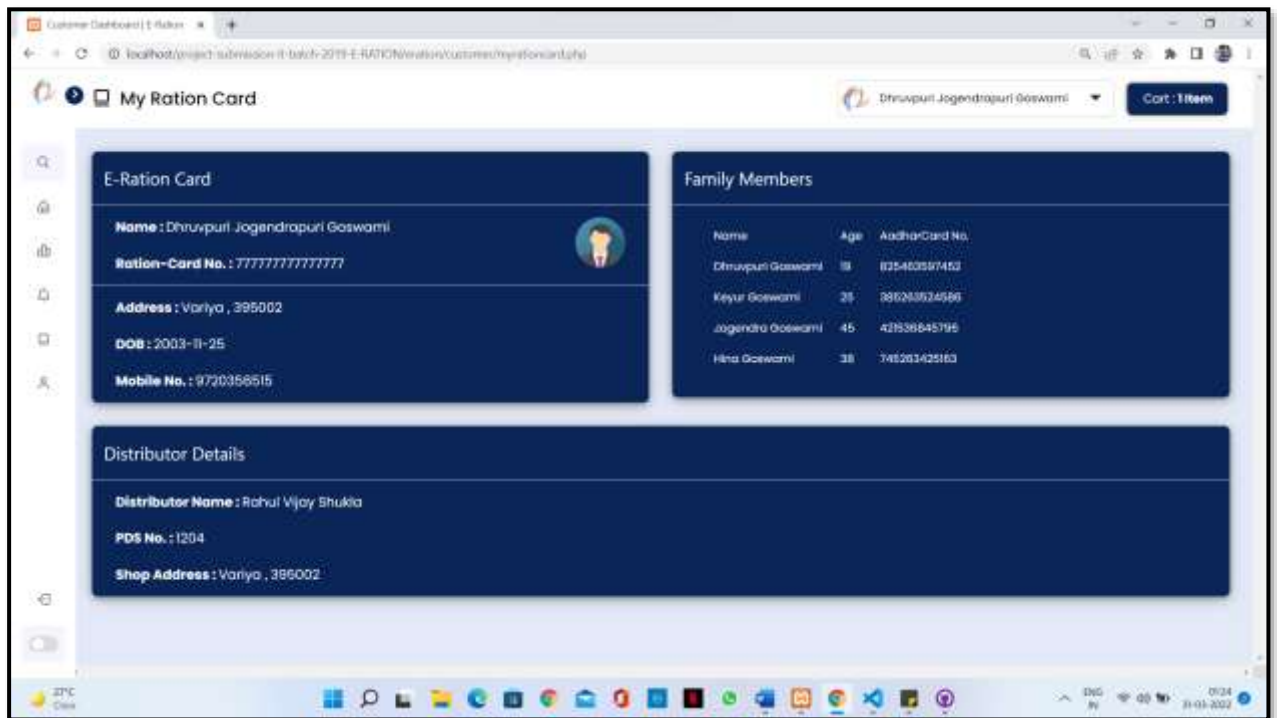
Transactions :



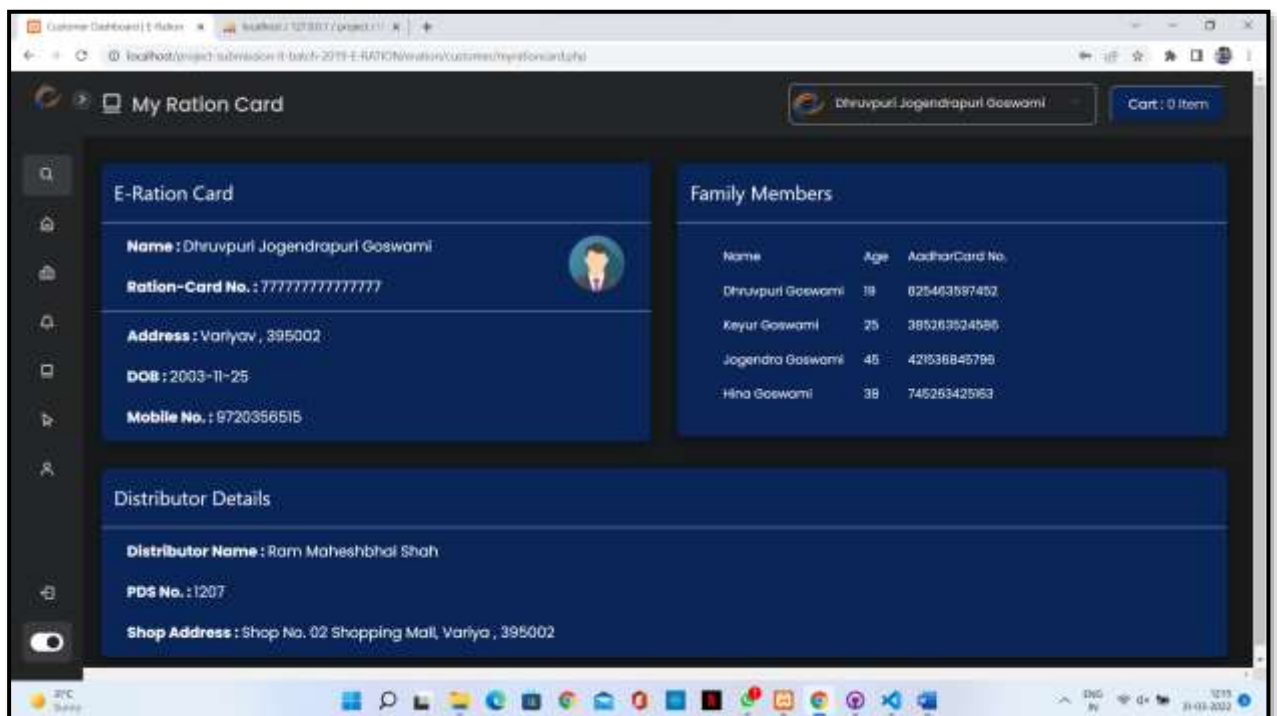
After hitting Receipt Button :



My Ration Card :



My Ration Card in dark mode :



Adding Complaint :

The screenshot shows the 'Add Complaint' form in a web browser. The form is titled 'Add Complaint' and is for the user 'Dhruvpuri Jogendrapuri Goswami'. The form fields are as follows:

First Name	Middle Name	Last Name
Dhruvpuri	Jogendrapuri	Goswami

Date	PDS No.
31-08-2022	1207

Description: Distributor is not working well



My Profile and Updating Profile :

The screenshot shows the 'My Profile' form in a web browser. The form is titled 'My Profile' and is for the user 'Dhruvpuri Jogendrapuri Goswami'. The form fields are as follows:

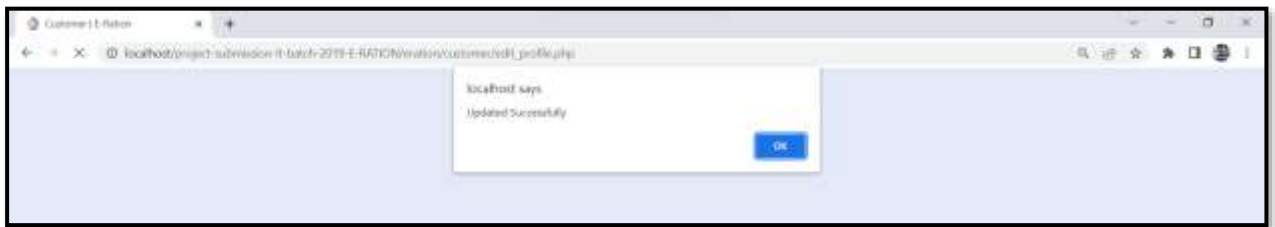
First Name	Middle Name	Last Name
Dhruvpuri	Jogendrapuri	Goswami

Email ID	DOB	Phone Number
goswamid@gmail.com	2003-08-26	9720358514

Aadhar Card No.	Ration Card No.
125490325879	XXXXXXXXXX

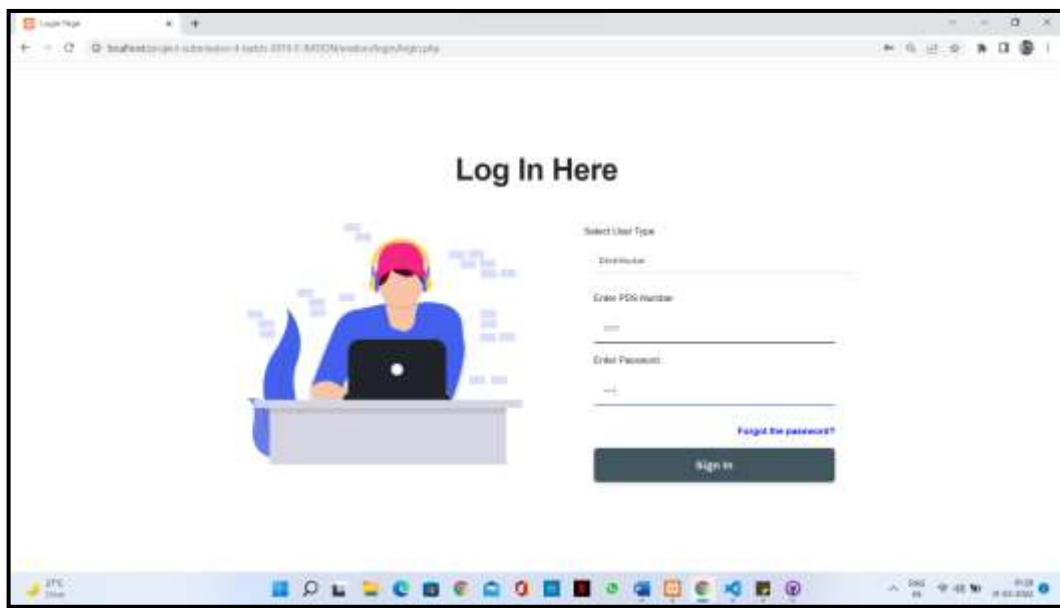
State	City	Pincode
Gujarat	Surat	368505

Address: Vallyar

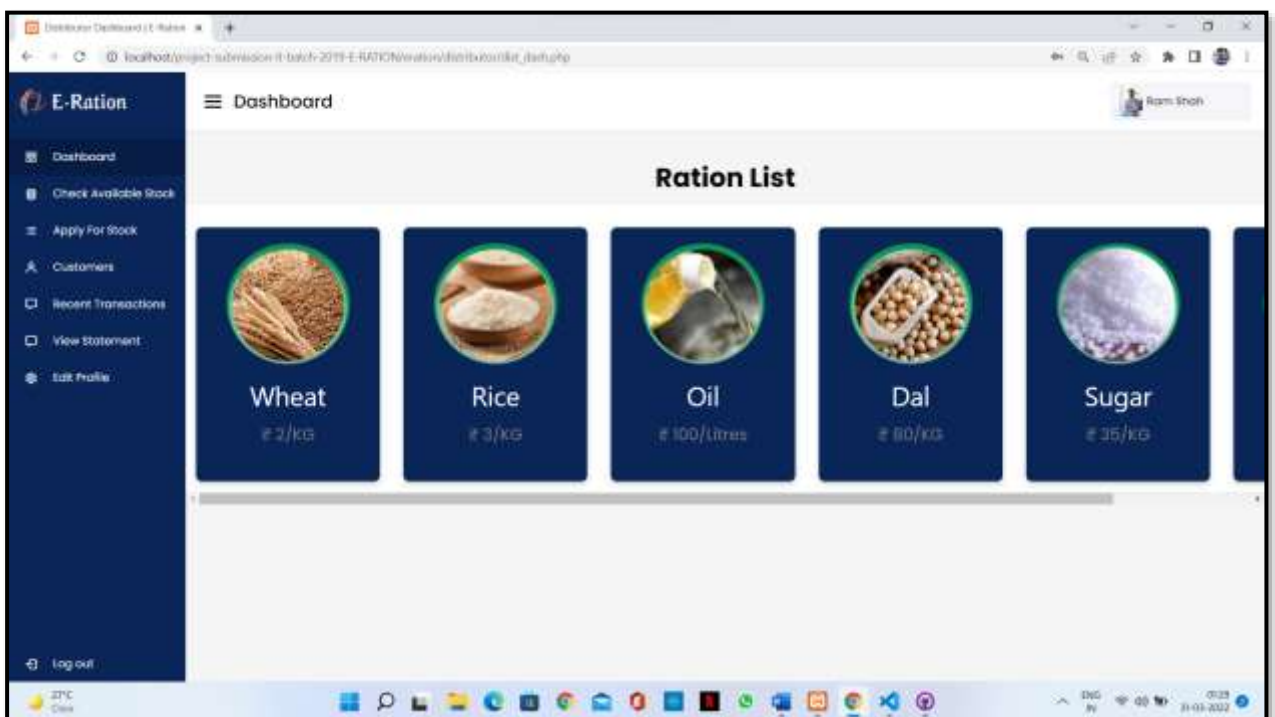


5.2 Distributor Side :

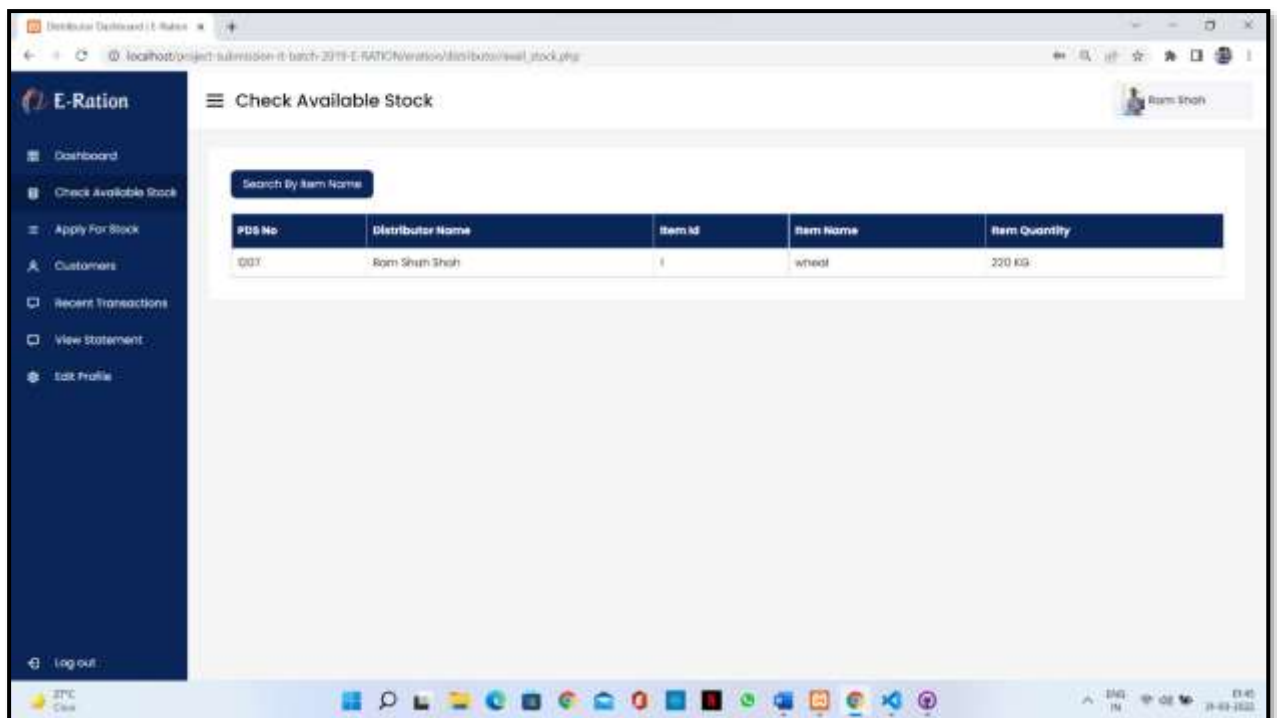
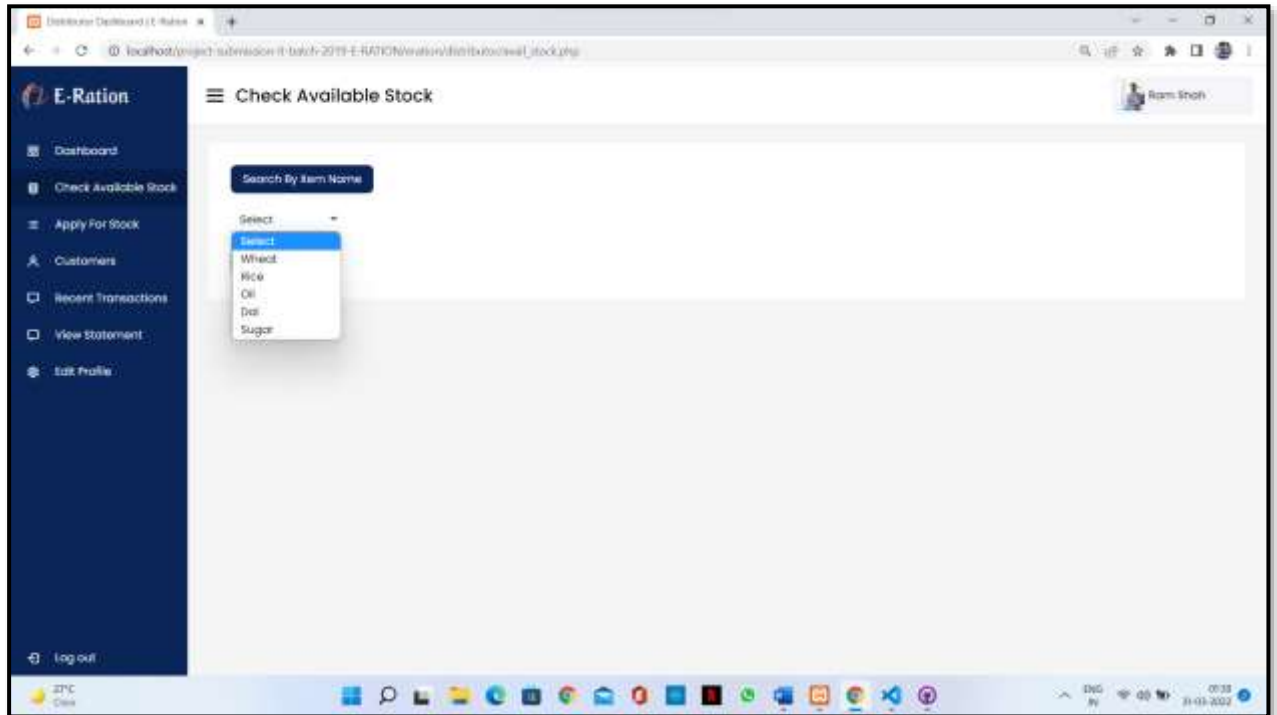
Logging in as Distributor :



Distributor Dashboard :



Checking Stock :



Applying for the stock :

E-Ration Apply For Stock

Apply For Stock of PDS No 1207

First Name: Ram Middle Name: Mohanbhai Last Name: Shah

Item Name: Wheat Item Id: 1 Date: 31-03-2022

Quantity: 220

Submit



Customer under PDS :

E-Ration Customers

SR No	Name	Ration Card No	Aadhar Card No	DOB	Email-id	Phone No	Pincode	Address
1	Dhruvapuri Jagendrapuri Goswami	7777777777777777	125486325674	2002-11-25	gawwami16@gmail.com	8706356556	395002	Variyav
2	Rajat Upendra Singh	395583256322442	12563045874	2004-01-05	rs@gmail.com	9537942675	395002	Punagam
3	Kiran Miteshchah Shah	163088081269775	150665335698	2008-09-18	kiran1999@gmail.com	7326958630	395002	Golden Soc
4	Rakesh Srinivas Yadav	227621307780663	254896569854	1994-05-17	rkswen2075@gmail.com	8742752481	395002	Deeni Gate
5	Ajaykumar Manishbhai Margam	154856320145275	45632540201	1999-01-20	ajay@gmail.com	8896574859	395002	Variya
6	Lalabhai Abubhai Trivedi	45462278751227	987456321412	1981-05-12	lalabhai1981@gmail.com	9896325800	395002	Vikas Heights
7	Daksh Mahendra Shah	48957822221263	842689513574	1992-07-19	shahdakshesh@gmail.com	9877986644	395002	Gokulam Soc
8	Meethahal Shankaraj Varna	600889633812203	602345128548	2001-11-22	meethahal@gmail.com	8547893685	395002	Variya
9	Rajubhai Jhendrabhai Sammath	688964564675958	961036015632	2000-08-21	rajubhai2002@gmail.com	8745632145	395002	Variya
10	Mahendrabhai Vinubhai Solanki	7841497722778386	456323264523	1998-01-15	mahendrabhai1998@gmail.com	8855875412	395002	Neminath Soc
11	Shorvan Venkat Patel	85295030038960	154875020256	1998-05-20	shorvanrudra@gmail.com	9563264969	395002	Kidori Siddhi Residency, Variya

Print

Particular Customer :

E-Ration Customers

Customer Details

Name: Dhruvapuri Jagendrapuri Goswami
Phone No: 9720366515
Email-id: goswami24@gmail.com
Address: Varanasi

Distributor Details

Name: Ram Maheshphal Shah
Phone No: 9863254885
POS No: 1207
Shop Address: Shop no. 02 Shopping Mall, Varanasi

Item Details

Item ID	Item Name	Item Quantity	Price(In ₹)
1	Wheat	20 KG	₹ 40
Total			₹ 40

Authentication

Authenticate Customer

E-Ration Customers

Distributor Details

Name: Ram Maheshphal Shah
Phone No: 9863254885
POS No: 1207
Shop Address: Shop no. 02 Shopping Mall, Varanasi

Item Details

Item ID	Item Name	Item Quantity	Price(In ₹)
1	Wheat	20 KG	₹ 40
Total			₹ 40

Authentication

Authenticate Customer

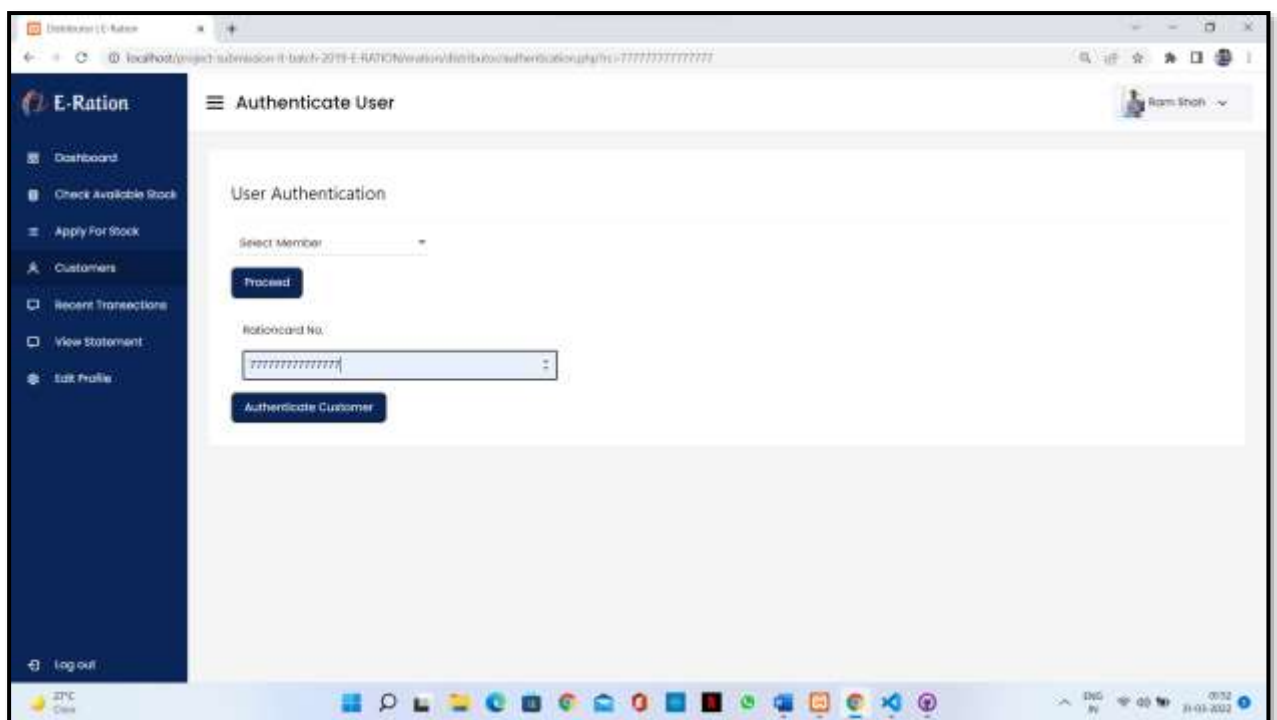
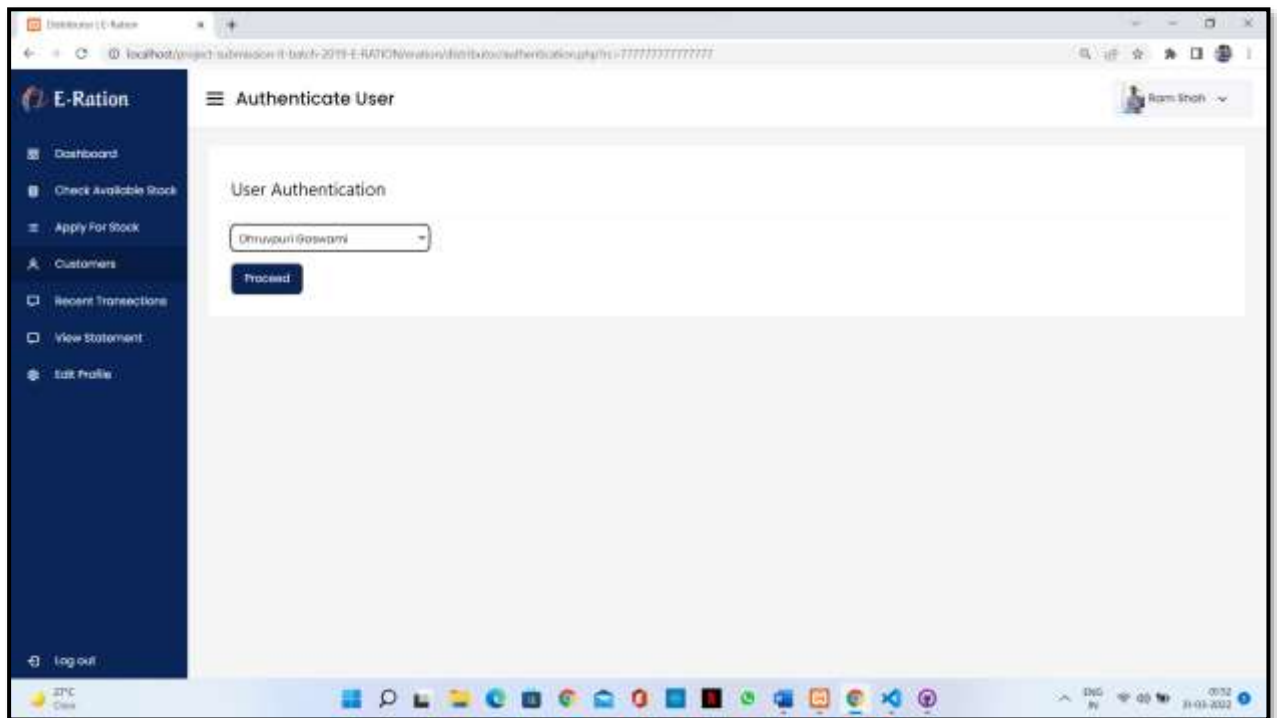
Payment Details

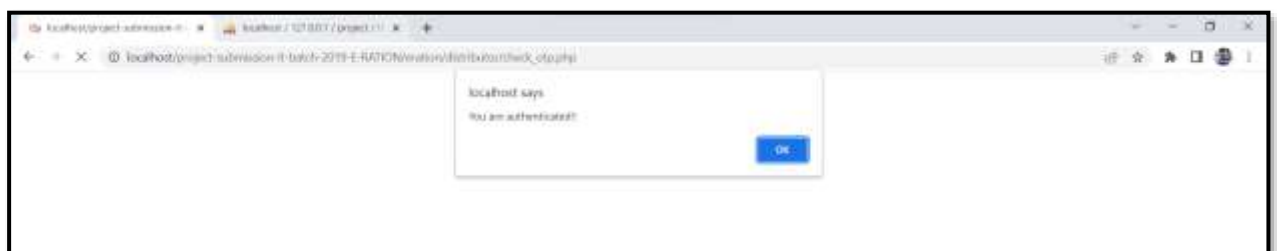
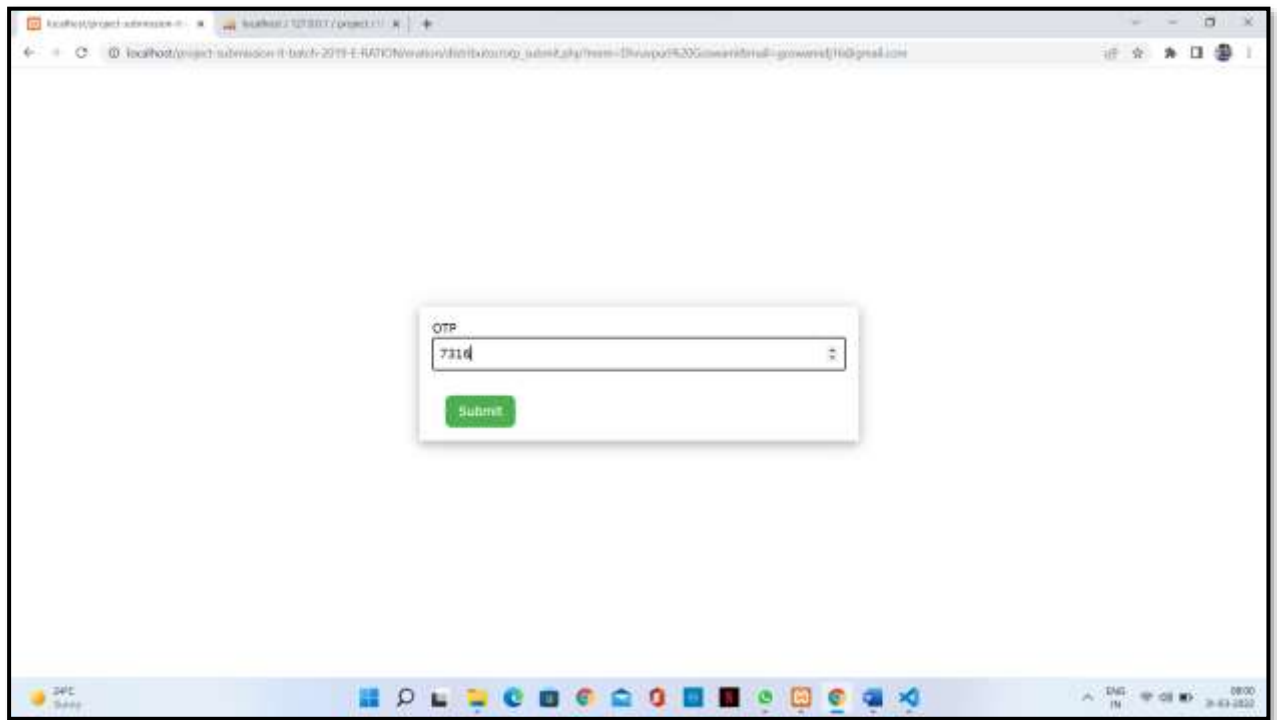
Content appear after being Authenticated!!

Delivery Details

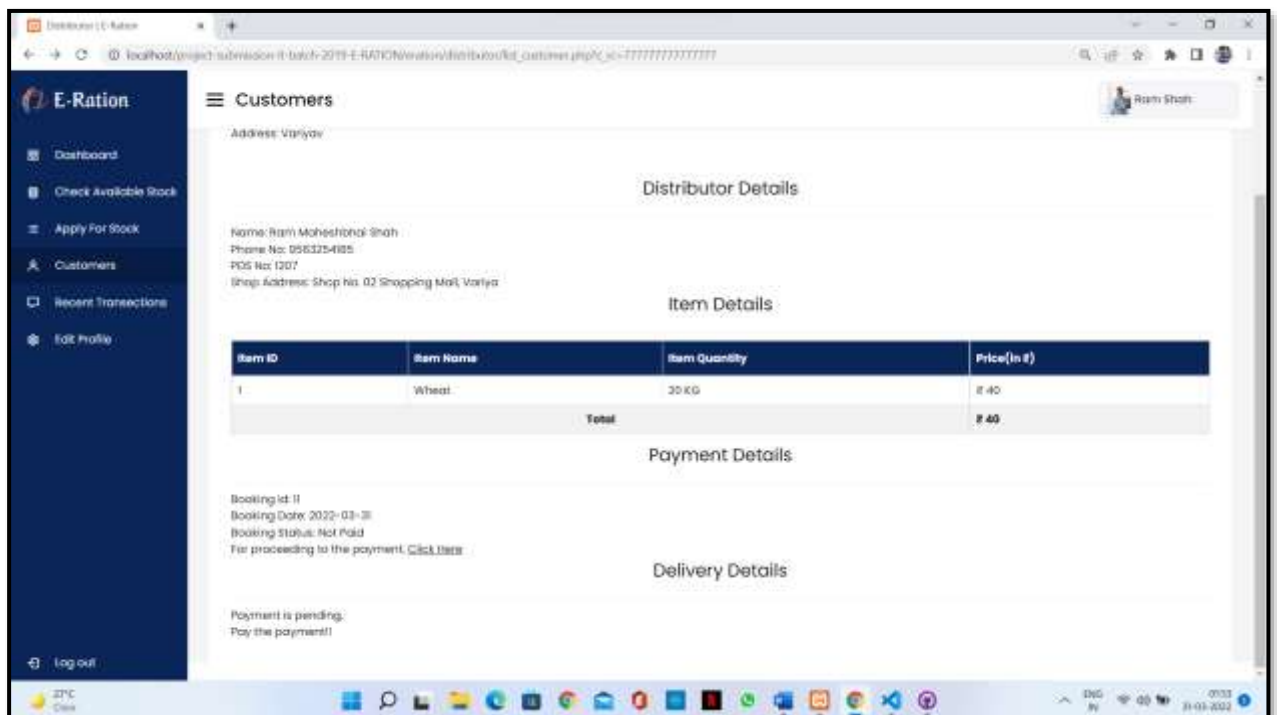
Payment is pending.
Pay the payment!!

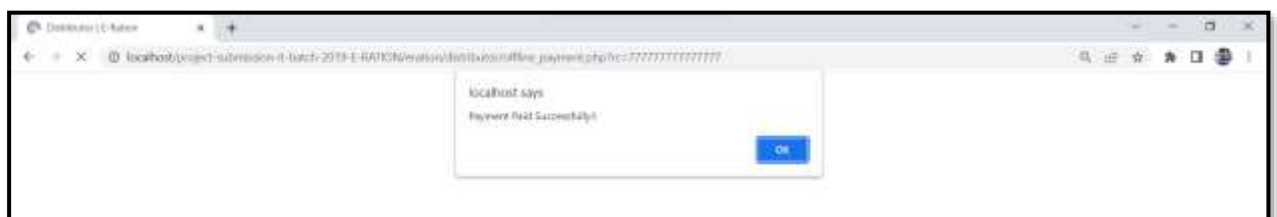
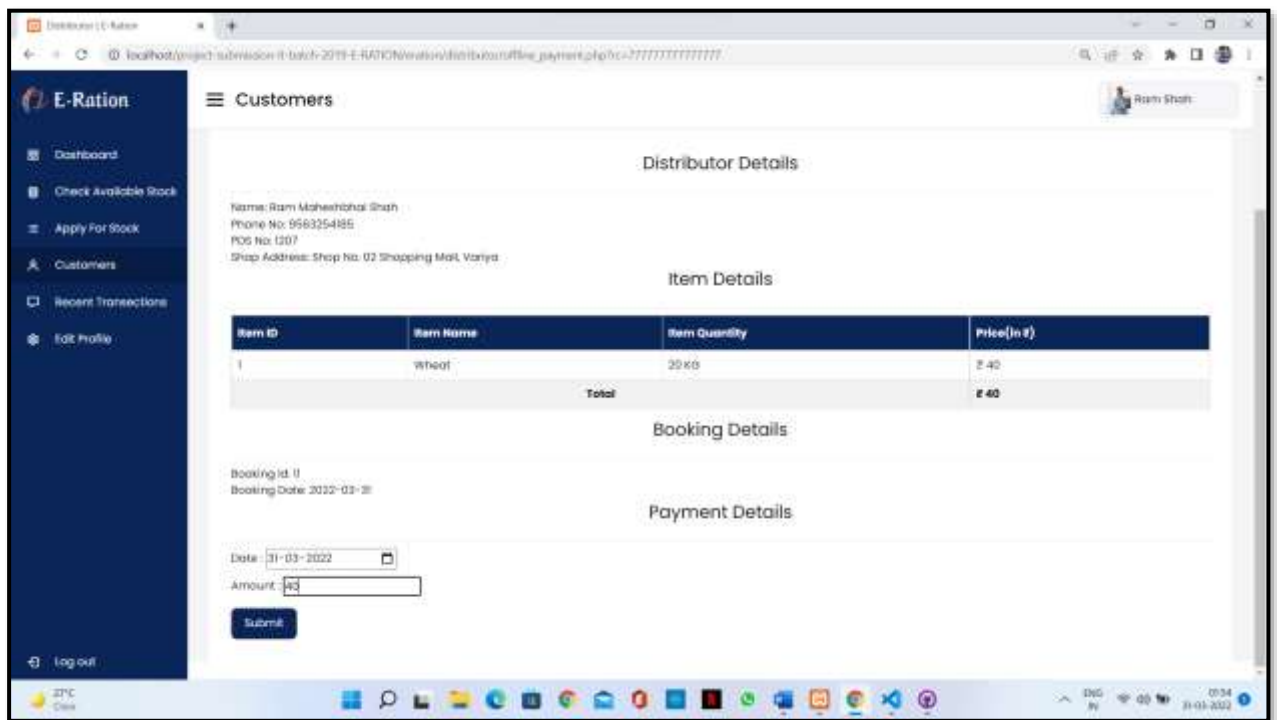
Authenticating Customer :



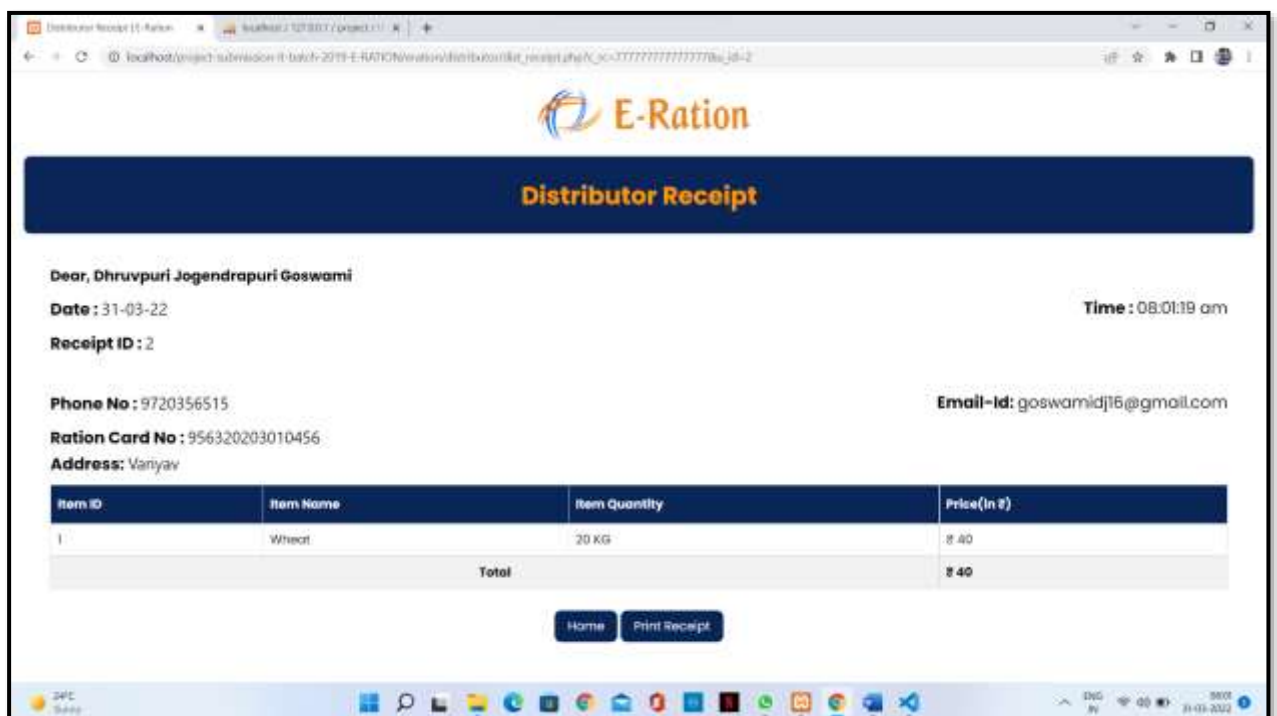


Offline Payment :

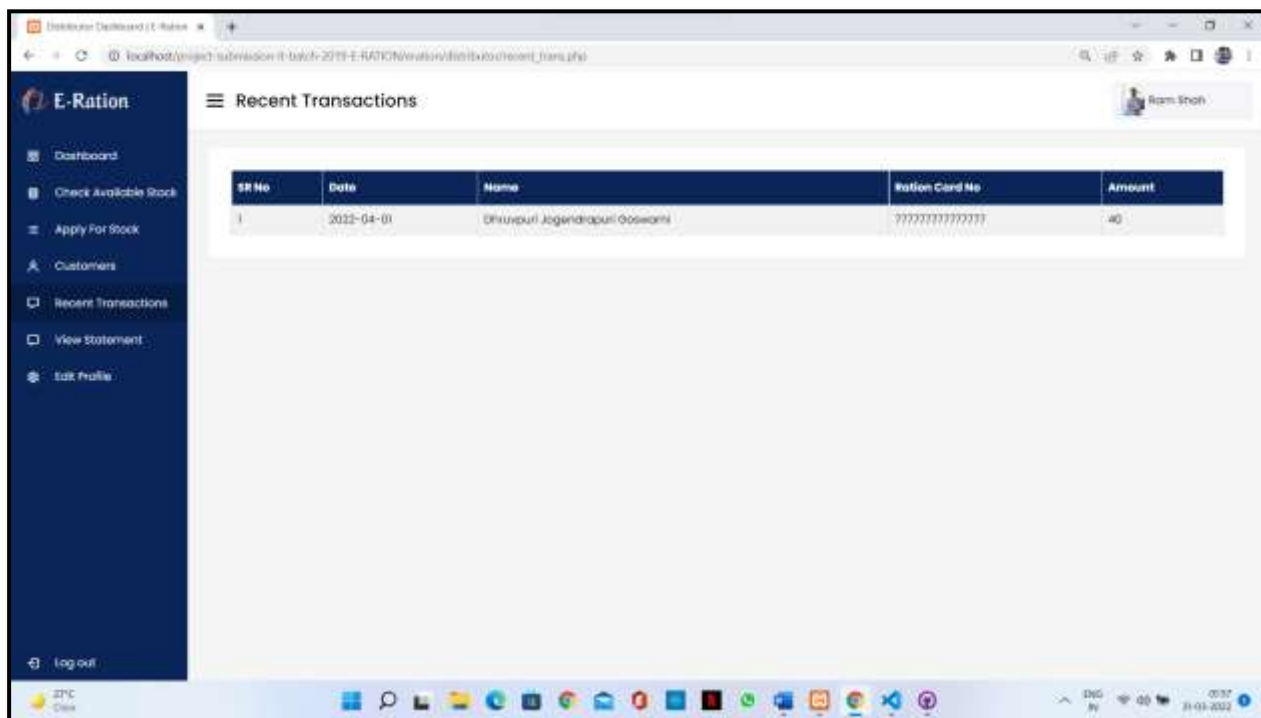




Distributor Receipt :



Recent Transaction :

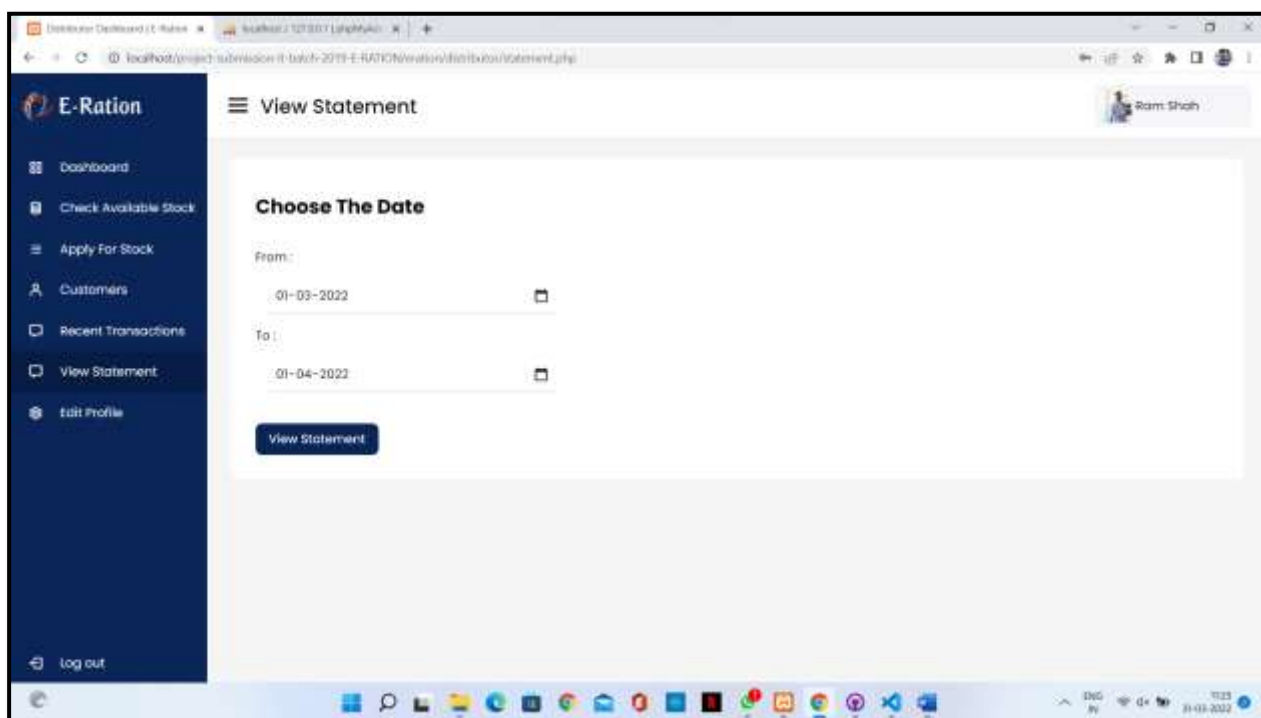


The screenshot displays the 'Recent Transactions' page of the E-Ration system. The left sidebar contains navigation links: Dashboard, Check Available Stock, Apply For Stock, Customers, Recent Transactions (active), View Statement, and Edit Profile. The main content area shows a table with the following data:

SR No	Date	Name	Ration Card No	Amount
1	2022-04-01	Dhruvputi Jagendraputi Goswami	7777777777777777	40

The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 09:37 on 01-03-2022.

View Statement :



The screenshot displays the 'View Statement' page of the E-Ration system. The left sidebar is identical to the previous screenshot, with 'View Statement' now active. The main content area is titled 'Choose The Date' and contains two date selection fields:

From: 01-03-2022

To: 01-04-2022

Below these fields is a blue button labeled 'View Statement'. The Windows taskbar at the bottom shows the system clock as 10:25 on 01-03-2022.

Statement of PDS No 1207 From 2022-03-01 to 2022-04-01

Date : 31-03-2022 Time : 11:25:51 am

Name : Ram Maheshbhai Shahi

PDS No. : 1207

Total Buy

Sl No	Date	Item Name	Item Price / KG	Quantity	Total Price In ₹
1	2022-03-08	Wheat	2	220	440
2	2022-03-08	Rice	2	66	132
3	2022-03-08	Oil	100	44	4400
4	2022-03-08	Onn	80	44	3520
5	2022-03-08	Sugar	25	44	1100
6	2022-03-08	Beans	10	44	440
Total Amount:					₹ 10692

Total Sell

Sl No	Date	Customer Name	Ration Card No	Price
1	2022-03-01	Shriyash Jagadhepari Desai	0000000000	40
Total Quantity				40

Summary

Total Credit

Total Quantity : 440

Total Amount : 10692 Rupees /-

Total Debit

Total Quantity : 20

Total Amount : 40 Rupees /-

***It is Computer Generated Statement.
***If You have any Query regarding this, then please contact admin.

Best Regards From ,
E-Ration

Profile and Updating Profile :

The screenshot shows a web browser window with the URL `localhost/project-submission-11-batch-2019-E-RATION/ration/distribution/edit_profile.php`. The page is titled "Edit Profile" and features a sidebar menu on the left with options: Dashboard, Check Available Stock, Apply For Stock, Customers, Recent Transactions, View Statement, and Edit Profile (which is highlighted). The main form contains the following fields:

First Name	Middle Name	Last Name
Ram	Ashwinbhai	Shah

Email ID	DOB	Phone Number
keyur@gmail.com	1994-06-01	9553254184

Aadharcard No.	Rationcard No.	POB No.
985797505883	88820020300456	1207

State	City	Pincode
Gujarat	Surat	385002

Shop Address: Shop No. 02 Shopping Unit: Vartak

A "SUBMIT" button is located at the bottom right of the form. The browser's taskbar at the bottom shows the system clock as 07:39 on 21-03-2022.

5.3 Admin Side :

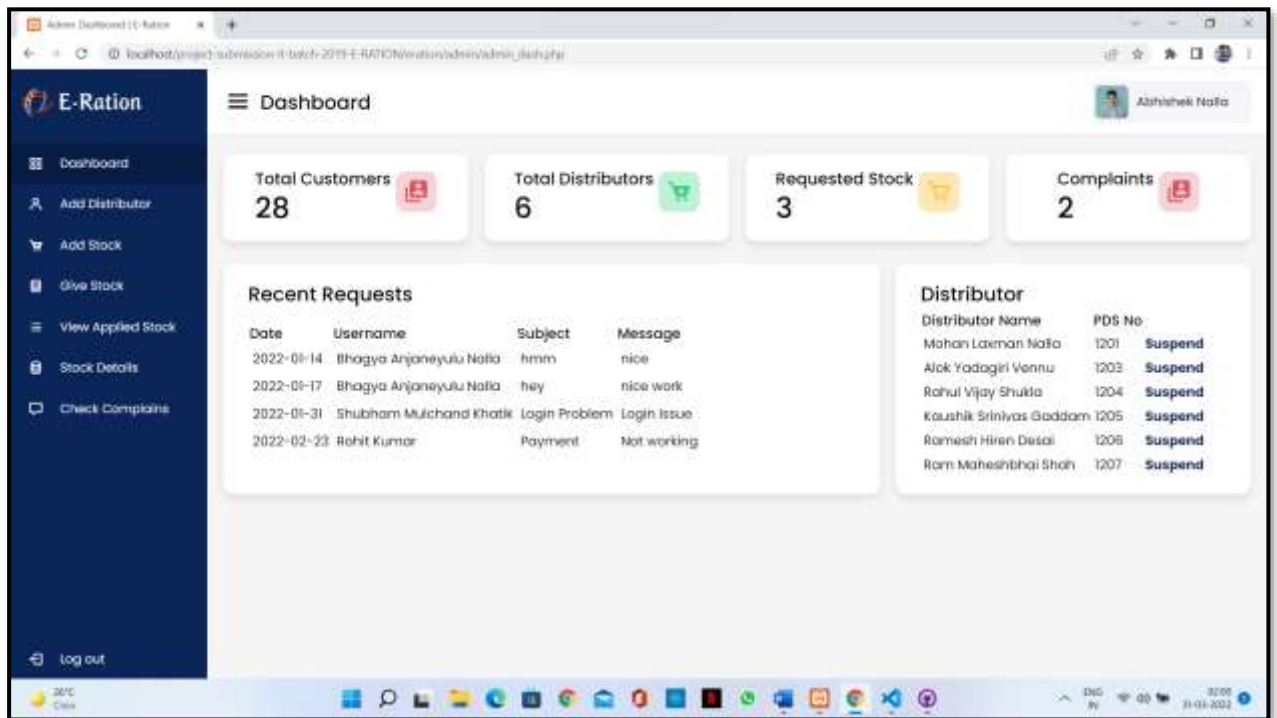
Logging in as Admin :

The screenshot shows a web browser window with the URL `localhost/project-submission-11-batch-2019-E-RATION/ration/login/login.php`. The page is titled "Log In Here" and features a central illustration of a person wearing a headset and working on a laptop. To the right of the illustration is a login form with the following elements:

- A "Select User Type" dropdown menu with "Admin" selected.
- An "Enter Username" text input field containing the text "admin".
- An "Enter Password" text input field.
- A "Sign in" button.

The browser's taskbar at the bottom shows the system clock as 07:08 on 21-03-2022.

Admin Dashboard :

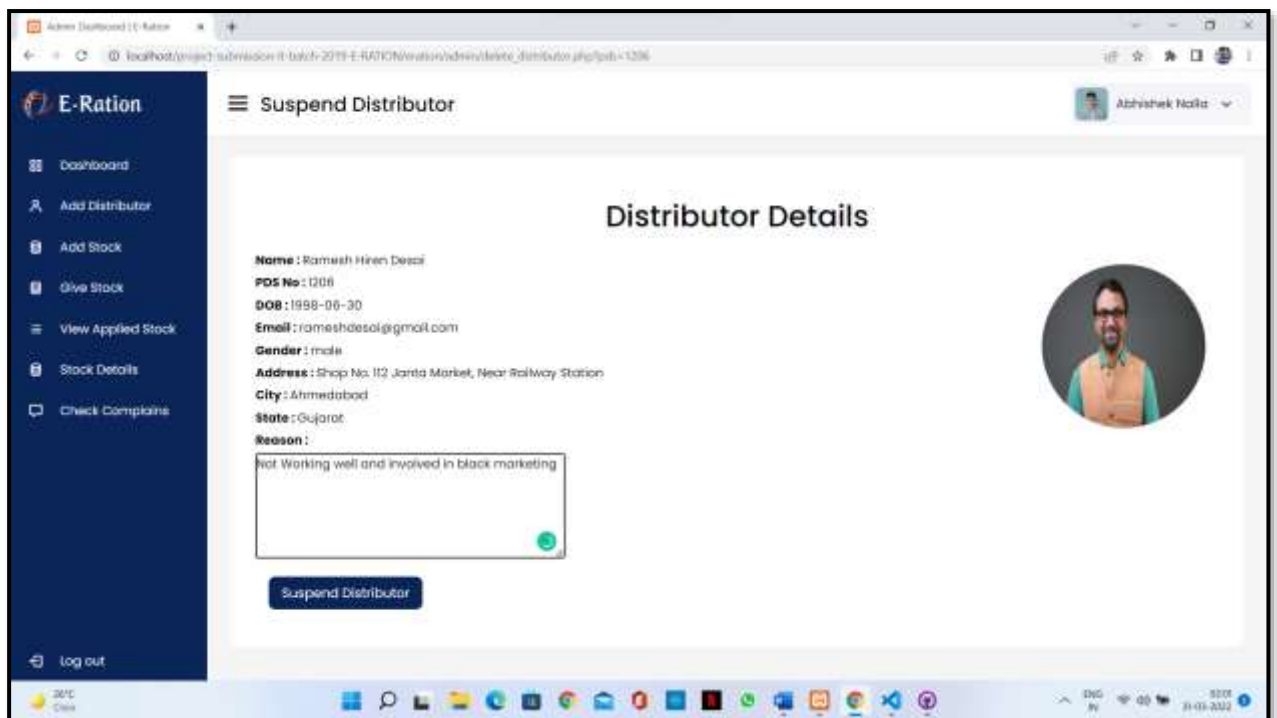


The screenshot shows the E-Ration Admin Dashboard. The left sidebar contains navigation links: Dashboard, Add Distributor, Add Stock, Give Stock, View Applied Stock, Stock Details, and Check Complaints. The main content area displays four summary cards: Total Customers (28), Total Distributors (6), Requested Stock (3), and Complaints (2). Below these are two tables. The 'Recent Requests' table lists requests with columns for Date, Username, Subject, and Message. The 'Distributor' table lists distributors with columns for Distributor Name, PDS No, and a Suspend button.

Date	Username	Subject	Message
2022-01-14	Bhagya Anjaneyulu Nalla	hmm	nice
2022-01-17	Bhagya Anjaneyulu Nalla	hey	nice work
2022-01-31	Shubham Mulchand Khatik	Login Problem	Login Issue
2022-02-23	Rohit Kumar	Payment	Not working

Distributor Name	PDS No	Action
Mohan Laxman Nalla	1201	Suspend
Alok Yadagiri Vennu	1203	Suspend
Rahul Vijay Shukla	1204	Suspend
Kaushik Srinivas Gaddam	1205	Suspend
Ramesh Hiren Desai	1206	Suspend
Ram Maheshbhai Shah	1207	Suspend

Suspending Distributor :

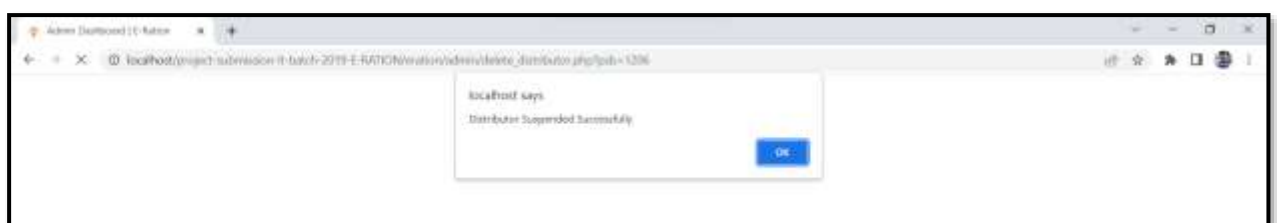


The screenshot shows the 'Suspend Distributor' page. It displays the details of a distributor named Ramesh Hiren Desai, including PDS No, DOB, Email, Gender, Address, City, and State. A text area for the reason for suspension is filled with 'Not Working well and involved in black marketing'. A 'Suspend Distributor' button is visible at the bottom.

Distributor Details

Name : Ramesh Hiren Desai
PDS No : 1206
DOB : 1998-06-30
Email : rameshdesai@gmail.com
Gender : male
Address : Shop No. 112 Janta Market, Near Railway Station
City : Ahmedabad
State : Gujarat
Reason : Not Working well and involved in black marketing

Suspend Distributor



The screenshot shows a success message dialog box that says 'Distributor Suspended Successfully' with an 'OK' button.

localhost says
Distributor Suspended Successfully

OK

Adding Distributor :

E-Ration

Add Distributor

First Name: Harsh Middle Name: Jagendra Last Name: Gupta

Email ID: harsh@gmail.com DOB: 19-05-1998 Phone Number: 8549852360

Aadharcard No.: 745896525258 Rationcard No.: 845741414526352 PDS No.: 1208

State: Gujarat City: Surat Pincode: 396541

Gender: ☒ Male ☐ Female ☐ Other

Shop Address: Umarwada

Password: **** Confirm Password: ****

Log out

30°C Clear

localhost/project-submission-8-batch-2019-E-RATION/ration/admin/add_distributor

8:03 8-03-2022

E-Ration

Add Distributor

harsh@gmail.com 19-05-1998 8549852360

Aadharcard No.: 745896525258 Rationcard No.: 845741414526352 PDS No.: 1208

State: Gujarat City: Surat Pincode: 396541

Gender: ☒ Male ☐ Female ☐ Other

Shop Address: Umarwada

Password: **** Confirm Password: ****

File Upload: Choose File download.jpg

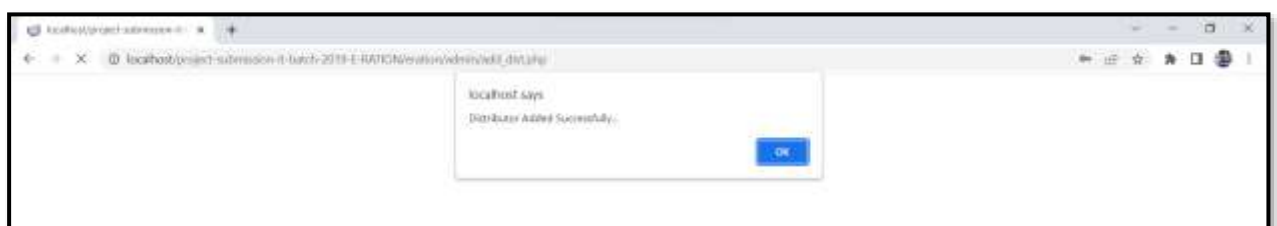
SUBMIT

Log out

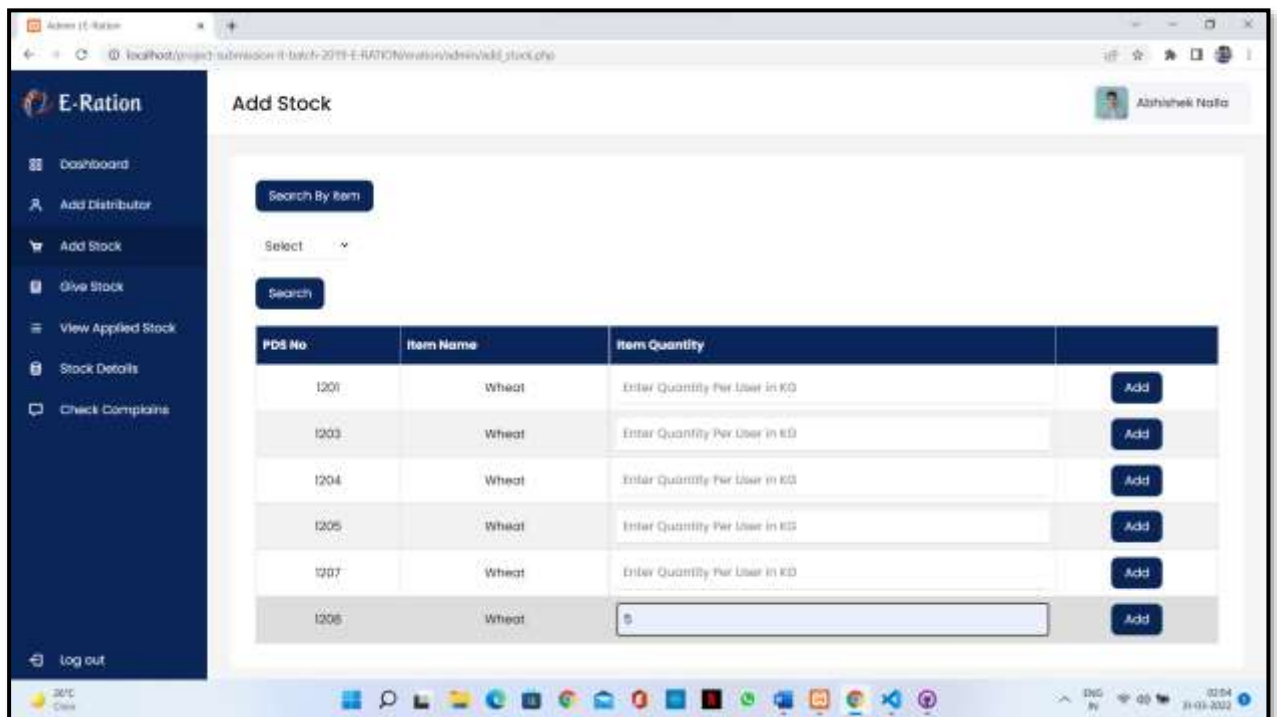
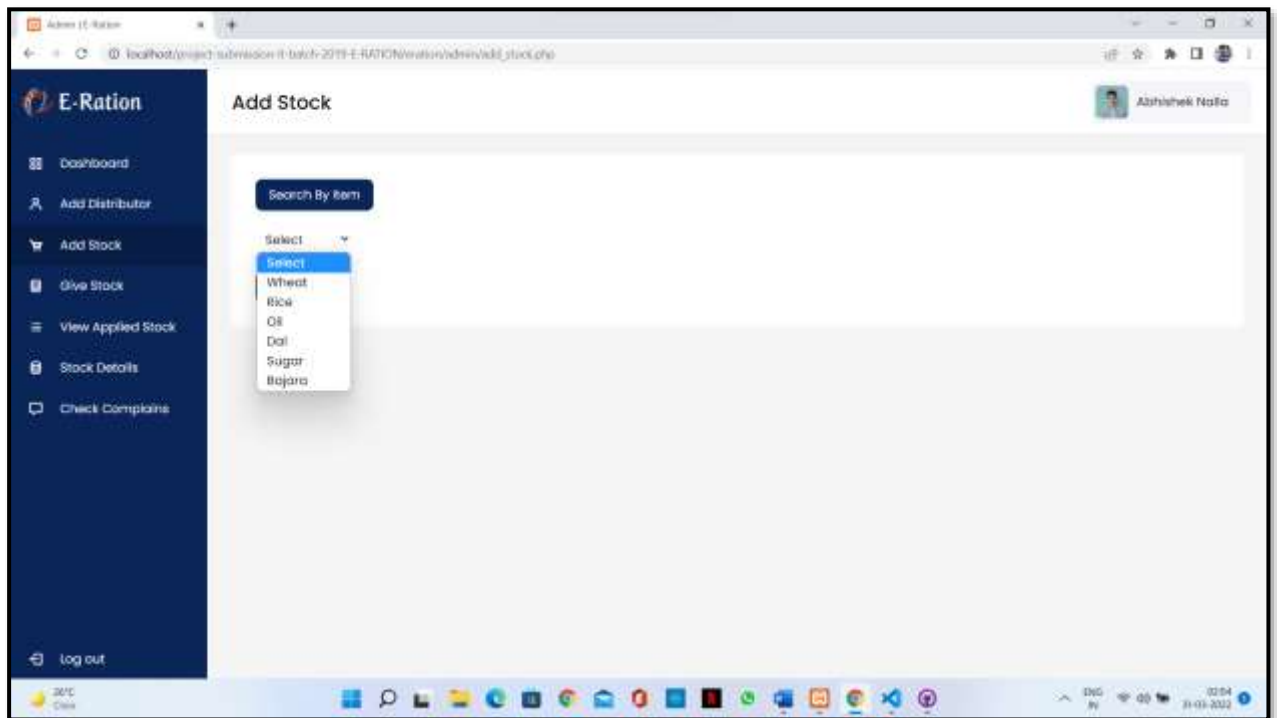
30°C Clear

localhost/project-submission-8-batch-2019-E-RATION/ration/admin/add_distributor

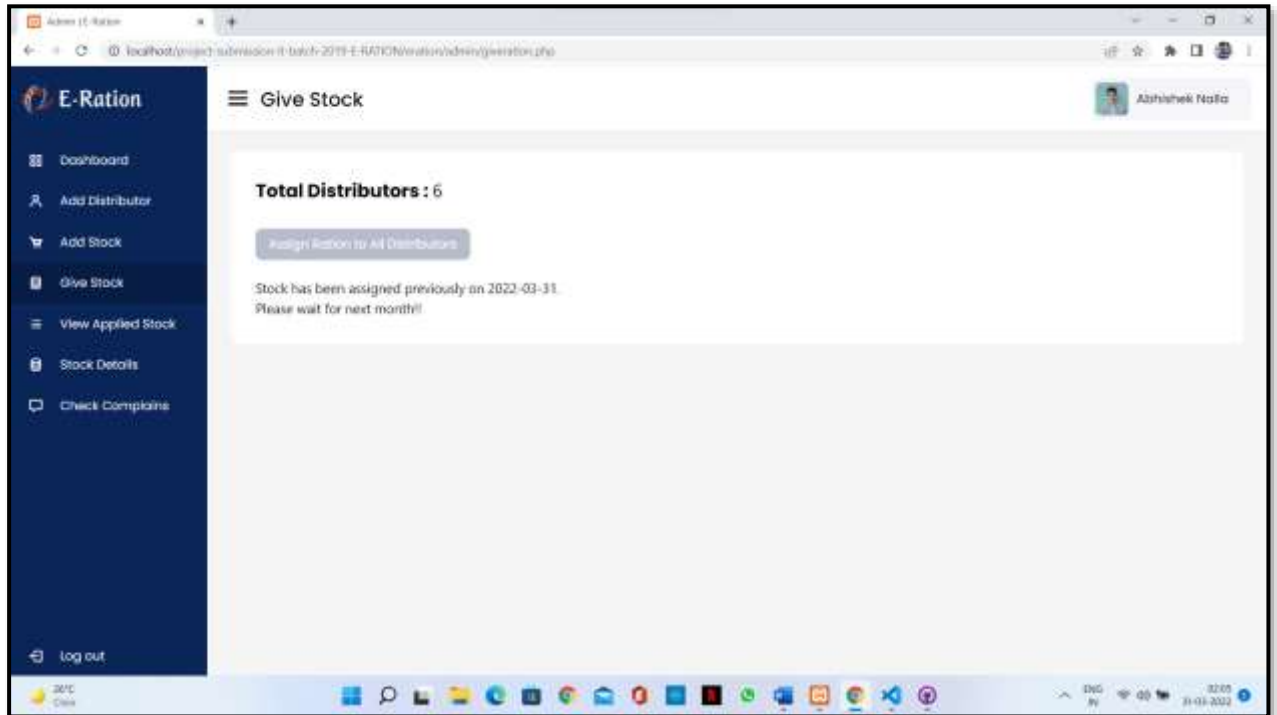
8:03 8-03-2022



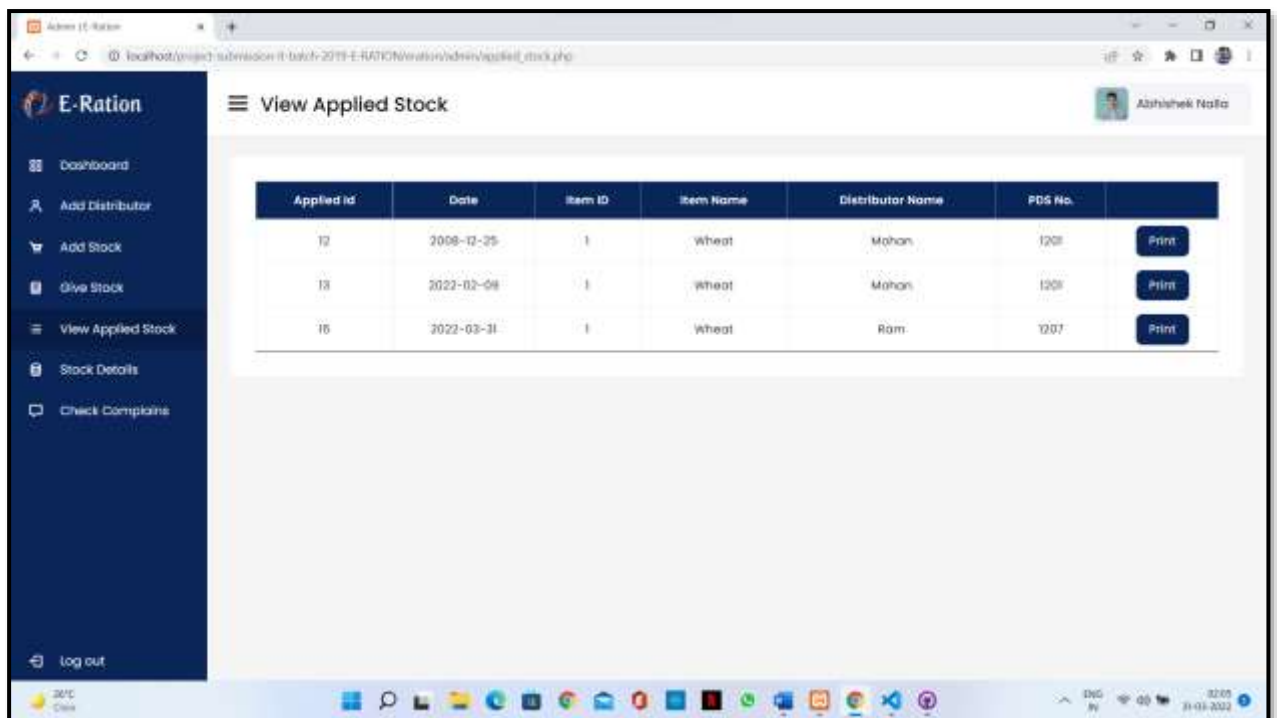
Adding Stock :



Give Stock :



View Applied Stock :



Admin (E-Ration)

localhost/project-submission-it-batch-2019-E-RATION/ration/admin/print_applied_stock.php?id=15

E-Ration

Applied Stock Details of Applied Id - 15

Date : 31-03-22 **Time :** 02:06:01 am

Dear, Ram Maheshbhai Shah

Applied ID	Date	PDS No.	Item ID	Item Name	Quantity	Approve Stock	Status
15	2022-03-31	1207	1	Wheat	220 KG	<input checked="" type="radio"/> Yes <input type="radio"/> No Approve	no

[Home](#)
[Print Receipt](#)

30°C Clear

localhost/project-submission-it-batch-2019-E-RATION/ration/admin/approve_stock.php

localhost says

Status Updated Successfully.

OK

Admin (E-Ration)

localhost/project-submission-it-batch-2019-E-RATION/ration/admin/approve_stock.php

E-Ration

Applied Stock Details of Applied Id - 15

Date : 31-03-22 **Time :** 02:06:17 am

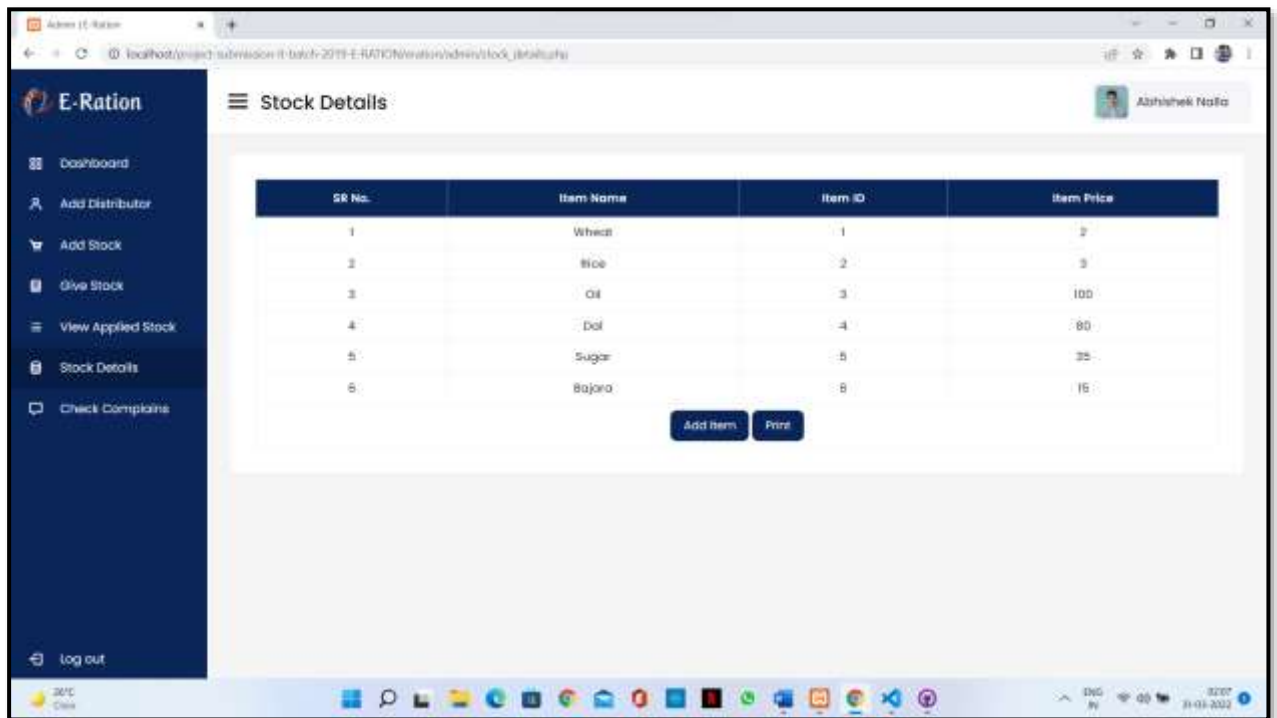
Dear, Ram Maheshbhai Shah

Applied ID	Date	PDS No.	Item ID	Item Name	Quantity	Status
15	2022-03-31	1207	1	Wheat	220 KG	yes

[Home](#)
[Print Receipt](#)

30°C Clear

Stock Details :

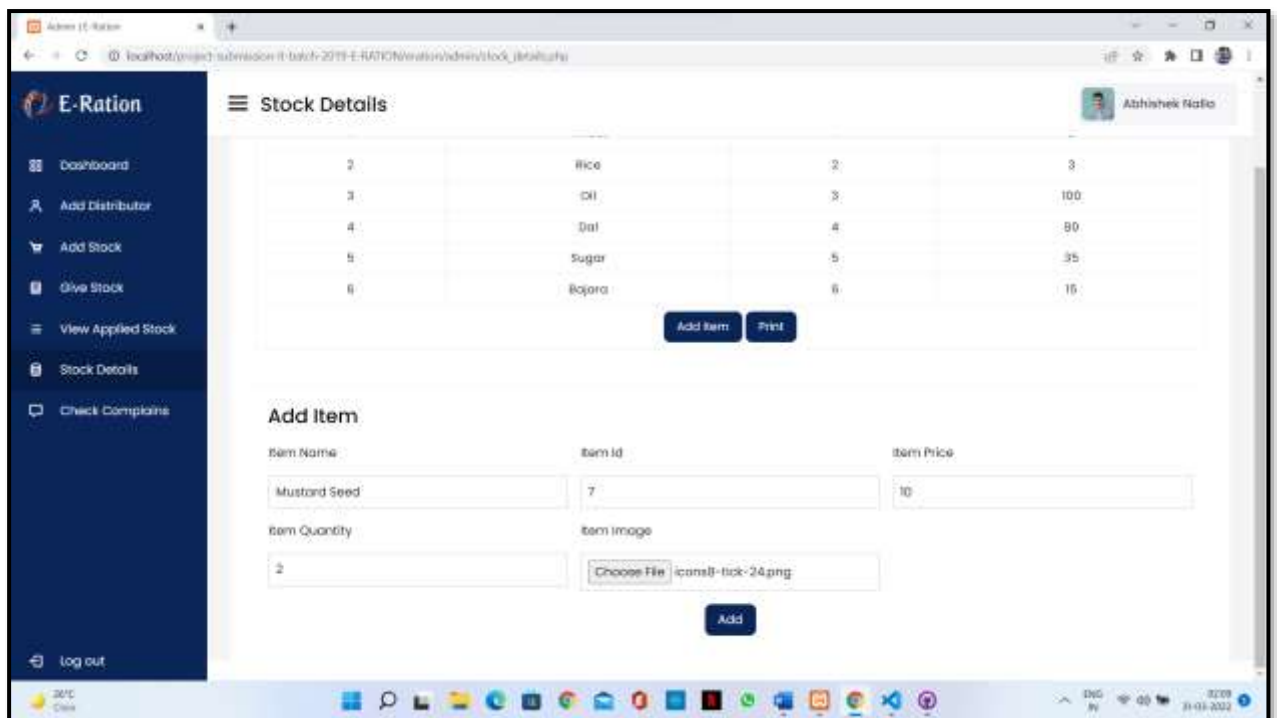


The screenshot shows the 'E-Ration' web application interface. On the left is a dark blue sidebar with navigation links: Dashboard, Add Distributor, Add Stock, Give Stock, View Applied Stock, Stock Details (highlighted), and Check Complaints. At the bottom of the sidebar is a 'Log out' button. The main content area is titled 'Stock Details' and features a table with the following data:

SR No.	Item Name	Item ID	Item Price
1	Wheat	1	2
2	Rice	2	3
3	Oil	3	100
4	Dal	4	80
5	Sugar	5	35
6	Bajara	6	15

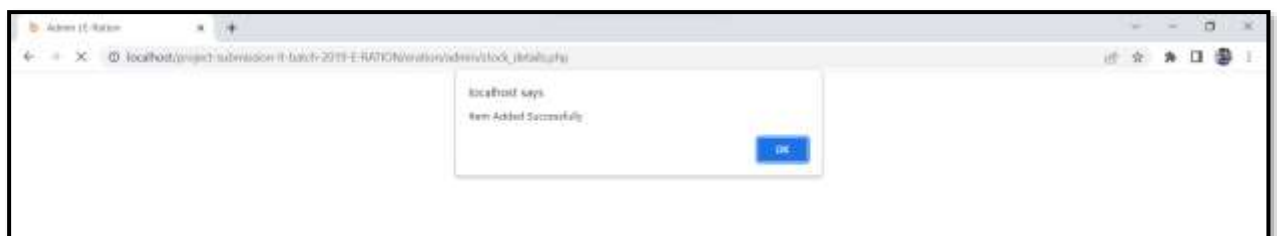
Below the table are two buttons: 'Add Item' and 'Print'. The top right of the page shows the user's profile 'Abhishek Nalla'.

Add Item :



This screenshot shows the 'Add Item' form within the 'E-Ration' application. The form is located below the 'Stock Details' table. It contains the following fields and controls:

- Item Name:** A text input field containing 'Mustard Seed'.
- Item Id:** A text input field containing '7'.
- Item Price:** A text input field containing '10'.
- Item Quantity:** A text input field containing '2'.
- Item Image:** A section with a 'Choose File' button and a file name 'icons8-tick-24.png'.
- Add:** A blue button to submit the form.



The screenshot shows a small white dialog box with a blue border. It contains the text 'localhost says' and 'Item Added Successfully'. A blue 'OK' button is located at the bottom right of the dialog.

Check Complains :

E-Ration

Check Complaints

SR No.	Date	Complaint ID	User Name	Distributor's POS No.	Complaint Description	
1	2022-01-18	1001	Nilesh	1201	Distributor is corrupted. I don't like his service and his behavior.	Print
2	2022-01-18	1002	Chirupuri	1205	Hello officials, when argue with distributor then he sloped me. It is my request to suspend him.	Print

log out

30°C Clear

02/18 21-03-2022

Printing the stock details :

E-Ration

Stock Details

Date: 31-03-22 Time: 02:16:45 am

SR No.	Item Name	Item ID	Item Price in ₹
1	Wheat	1	₹2
2	Rice	2	₹3
3	Oil	3	₹100
4	Dal	4	₹50
5	Sugar	5	₹35
6	Bajara	6	₹15

[Home](#) [Print Receipt](#)

30°C Clear

02/18 21-03-2022

Chapter 6

Testing

6.1 Home Side:

SR No.	Description	Test Data	Expected Output	Actual Output
1	Starting of E-Ration	By Clicking on the website link Home Page of E-Ration Visible.	E-Ration should Successfully Start.	E-Ration Successfully Starts.
2	About Us	Clicking On About Us Button	The page should be Successfully Redirect to the About Us Section.	Page Successfully Redirects to About Us Section.
3	Contact Us	Clicking On Contact Us Button	The page should be Successfully Redirect to the Contact Us Section.	Page Successfully Redirects to Contact Us Section.
4	Services	Clicking On Services Button	The page should be Successfully Redirect to the Services Section.	Page Successfully Redirects to Services Section.
5	Login	Clicking On Login Button	The page should be Successfully Redirect to the Login Page.	Page Successfully Redirects to Login Page
6	Register	Clicking On Register Now Button	The Page should be Successful Redirects to Verification Page for Ration Card.	Page Successfully Redirects to Verification Page for Ration Card.
7	View All Services	Clicking On View All Government Services Button	The page should be Successfully Redirect to National Government Service Portal.	Page Successfully Redirects to National Government Service Portal.

8	Send Request (Contact Us)	Clicking On Send Request Button.	Requested should be Posted Successfully.	Request Successfully Posted.
---	------------------------------	--	--	------------------------------------

6.2 Admin Side :

SR No.	Description	Test Data	Expected Output	Actual Output
1	Login	By Entering Valid Username and Password of Admin.	User Should be Redirect to Admin Dashboard Page.	Successfully Redirects to Admin Dashboard Page.
2	Suspend	By Clicking Suspend Button.	Admin should be redirected to Suspend Distributor Page.	Page Successfully Redirects to Suspend Distributor Page.
3	Suspend Distributor (Suspend Distributor Page)	By Clicking on Suspend Distributor Button.	A distributor should be removed Successfully.	Distributor removed Successfully.
4	Add Distributor	By Clicking on Add Distributor	If all fields are filled with valid data, then Distributor should be added successfully. Otherwise, the admin will get an Error.	The distributor added successfully.
5	Add Stock	By Clicking on Add Stock	Admin will add stock by searching items. If a Valid Item is selected and a valid quantity is entered	The stock added successfully.

			then Stock should be added successfully.	
6	Give Stock	By Clicking on Give Stock Button	System should allocate the ration to the all the Distributor once in a month.	Stock allocated successfully
7	View Applied Stock	By Clicking View Applied Stock	Admin should view Applied Stocks and Print Details about Applied Stock.	Admin Can see Applied Stock and Print Details.
8	Stock Details	By Clicking on Stock Details	Admin should see the stock details and be able to print them.	Admin can see all stock details and prints them.
9	Add Item (Stock Details)	By Clicking on Add Item Button in Stock Details.	If the admin enters valid item details to be added then Item should be added Successfully.	Item Added Successfully.
10	Check Complaints	By Clicking on Check Complaints	Admin should see the complaints about distributor raised by Customer and able to print them.	Admin can see Complaints and Prints All Complaints Individually.
11	Logout	By Clicking on Logout	Admin session should be end and redirects to login page.	Admin Successfully logged out and redirects to login page.

6.3 Distributor Side :

SR No.	Description	Test Data	Expected Output	Actual Output
1	Login	By Entering Valid Username and Password of Distributor.	User Should be Redirected to Distributor Dashboard Page.	Successfully Redirects to Distributor Dashboard Page.
2	Check Available Stock	By Clicking on Check Available Stock	Distributor should Check Available Stocks by selecting Items.	Distributor can Successfully Check the Available Stock.
3	Apply For Stock	By Clicking on Apply for Stock	If Distributor enters valid fields of Item, then Stock should be applied successfully.	Stock Applied Successfully.
4	Customers	By Clicking on Customers.	A distributor should see a list of customers under his PDS no. and also be able to see the lastly booked ration of a particular customer.	A distributor can see the list of customers and also be able to see their last booked ration.
9	Recent Transections	By Clicking on Recent Transections.	Distributor should be able to see their transactions.	Distributor can see their transactions.
10	Statement	By Clicking on View Statement	Distributor able to see the statement of transactions in between 2 dates which is selected by the Distributor	Statement generated successfully
11	Edit Profile	By Clicking on	Distributor should	Profile Updated

		Edit Profile.	update its profile with valid input fields.	successfully.
12	Logout	By Clicking on Logout	Distributor session should be end and redirects to login page.	Distributor Successfully logged out and redirects to login page.

6.4 Customer Side :

SR No.	Description	Test Data	Expected Output	Actual Output
1	Register	If the user successfully verifies the ration card no then he/she is able to register him/herself	The user should redirect to the login page after entering the valid details of the user on the register page.	User registered successfully
2	Login	If the user enters a valid ration card no and password.	Users should redirect to the customer's home page. If details are wrong, then the User should get an Error.	User redirected to customer home page successfully
3	Book ration	i. User adds available items to the cart. ii. Proceeding to the payment of added items in the cart.	i. Items Should be added to the cart successfully. ii. Successfully redirect to the cart.	i. Item added successfully to the cart. ii. Successfully redirected to cart. iii. Successfully selected valid payment

		<ul style="list-style-type: none"> iii. Choosing Payment mode: iv. If the Payment method is Online, then redirected to the PayPal Website. v. If the Payment method is Offline, then redirected to the Offline Receipt with Incomplete Status in receipt. 	<ul style="list-style-type: none"> iii. Users should select one option between Online or Offline. iv. Users should successfully redirect to the PayPal payment gateway and after successful payment, the system should generate a receipt. v. The system should generate an offline receipt with Incomplete Status. 	<ul style="list-style-type: none"> method. iv. After selecting Online Payment, then successfully redirect to the PayPal Gateway. v. After selecting Offline Payment, then successfully generate the receipt without Incomplete status.
4	Payment	<ul style="list-style-type: none"> i. Online Payment ii. Offline Payment 	<ul style="list-style-type: none"> i. If payment is successful, then receipt should be generated with Completed Status. ii. If payment is offline, 	<ul style="list-style-type: none"> i. Successfully redirected to the PayPal Gateway and successfully generated receipt with Completed Status. ii. Successfully generated

			then receipt should be generated with Incomplete Status.	receipt with Incomplete status.
5	Transactions	By Clicking on Transactions Button.	Customers should be able to see their transactions.	Customers can see the transactions successfully.
6	My Ration Card	By Clicking My Ration Card Button	Customers should be able to see their details, family members, and their PDS details.	Customers can see their details, family members with age and Aadhar card number, and their PDS details in which they are lying.
7	Add Complaint	By Clicking on Add Complaint	Customer should be able to make complaint	Complaint raised successfully
8	My Profile	By Clicking My Profile Button	Customers should see their details and should be able to update his/her profile.	Profile Updated Successfully.
9	Logout	By Clicking Logout Button	Customer session should end, cart must be empty and redirected to the login page.	Successfully logged out, cart is also empty and successfully redirected to the login page.

Chapter 7

Advantages, Limitation & Future Enhancement

7.1 Advantages :

- ❖ E-Ration becomes more interactive with the GUI Interface.
- ❖ E-Ration maintains all the records and payments in the online mode.
- ❖ E-Ration provides a multi-mode payment system.
- ❖ E-Ration provides Email Service to notify the customer about ration.
- ❖ Users can post complaints against the distributors or any issue faced by the customers.
- ❖ E-Ration reduces illegal sales.
- ❖ E-Ration is faster.
- ❖ At the PDS shop, E-Ration authenticates customers before taking ration.
- ❖ Distributors can view the customers under their PDS shop.
- ❖ Distributor can view the statement of transactions between 2 dates.
- ❖ E-Ration provides a monthly report to the Distributor about their sales.
- ❖ E-Ration uses PayPal Gateway which makes it faster and more efficient at the time of making online payments.
- ❖ E-Ration provides add to cart system for the customer which makes E-Ration more exciting to use.

7.2 Limitations :

- ❖ E-Ration does not support multi-languages.
- ❖ E-Ration will be workable only if the internet is available.
- ❖ E-Ration does not support fingerprint or face recognition systems.
- ❖ E-Ration does not give home delivery, it only books ration online.
- ❖ In the E-Ration, Admin can only view the complaints but cannot give a response to the complaint.

7.3 Future Enhancement :

- ❖ In the Future, E-Ration may provide a QR code instead of a receipt and at the time of the distributor side, the distributor can scan it and proceeds for further process.
- ❖ E-Ration may provide a new facility called New Ration Card, in which, customers can get a new ration card online and documents will be verified online.
- ❖ E-Ration may provide another new facility called Updating Ration Card, in which, customers can be able to update their ration card online.
- ❖ In the future, E-Ration may give Home Delivery Facility.
- ❖ E-Ration does not give home delivery, it only books ration online.
- ❖ In the Future, E-Ration may support multi-language.
- ❖ E-Ration may provide a tutorial for the uneducated people in their native language.

Chapter 8

Conclusion

Conclusion

- ❖ We have learned many new concepts in the PHP language. It is a Web Application that is developed using PHP language.
- ❖ We also used many SQL commands and run the queries.
- ❖ We learned how to create multi-module projects and how to work on them. Specially, we have learned database management. With the help of E-Ration, we have gained more knowledge and experience.
- ❖ We used an application called Draw.io which was very helpful for drawing the diagrams.
- ❖ We also learned teamwork and team management.
- ❖ Working on this project was very excitement and we also learnt how to manage time.

Bibliography

❖ URL :

1. <https://www.w3schools.com/php/>
2. <https://www.tutorialspoint.com/phpmyadmin/index.htm>
3. <https://app.diagrams.net/>
4. <https://unpkg.com/boxicons@2.0.7/css/boxicons.min.css>
5. <https://fontawesome.com/icons>
6. <https://www.geeksforgeeks.org/php-tutorials/>
7. <https://stackoverflow.com/>