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Kalyani - 741235, Nadia, WB

Project Title

SpiceZ: A Retailer Management And Billing System

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ABSTRACT:

In India, the retail shop business is highly competitive. The complexity of billing and accounting problems of a retail business is made easy by using billing software. But selecting the best and most suitable billing web-based applications for retail business is a really difficult task.

Before selecting the application one should know about the features available in it as well as the pros and cons of it. It should be customized and optimizable according to the needs of the customer. The retail management billing system offers a range of features and functionalities to facilitate smooth operations within a retail environment. It enables sales staff to quickly and accurately generate itemized invoices, apply discounts, and process multiple payment methods, including cash, credit cards, and digital wallets.

INTRODUCTION:

The software based on retailer management and billing project mainly focuses on billing as well as managing the products with best price. The main functionality of the project is showing variety of product list , adding new products, updating new information about buyer as well as seller , deleting the low demanding products, order placing , make more option to payment , make more offer, print the total result(bill). The retail management application present here is a very simple console. It is built using various web-based programming languages like “HTML”, “CSS”, and “JAVASCRIPT”. Here we use a simple graphic design. The system is used in various types of product selling fields and as well as it is user-friendly.

FEATURES:

- As an admin, you can add new products to your retail store in this application.
- Admin can also modify or remove any products in this application.
- Admin can make several offer over available products.
- As a buyer one can see the list of available products in this store.
- Buyer can add to cart no of product from product list.
- Buyer can mark no of product that will be showing into wishlist.
- Buyer can get notification from seller end.
- Buyers also search for any item's name from search bar.
- After selecting no of products user will get the total amount of selected product.
- After payment the user will get the invoice with exact amount show over the bill.
- User can pay through any payment method like online netbanking.

PROJECT OBJECTIVE:

The key objective of the project are:

- The main objective of this project is to connect the local retailer To solve highly accountable complex calculation retailer shops under digital sales and billing system.
- The customers are getting more options.
- Reduce time to buy some product.
- To solve highly accountable complex calculations.
- Reduce paper work.

TECHNOLOGY AND TOOLS:

HARDWARE REQUIREMENTS:

- CPU 2.2GHz
- RAM 512MB
- HDD Minimum 512 GB

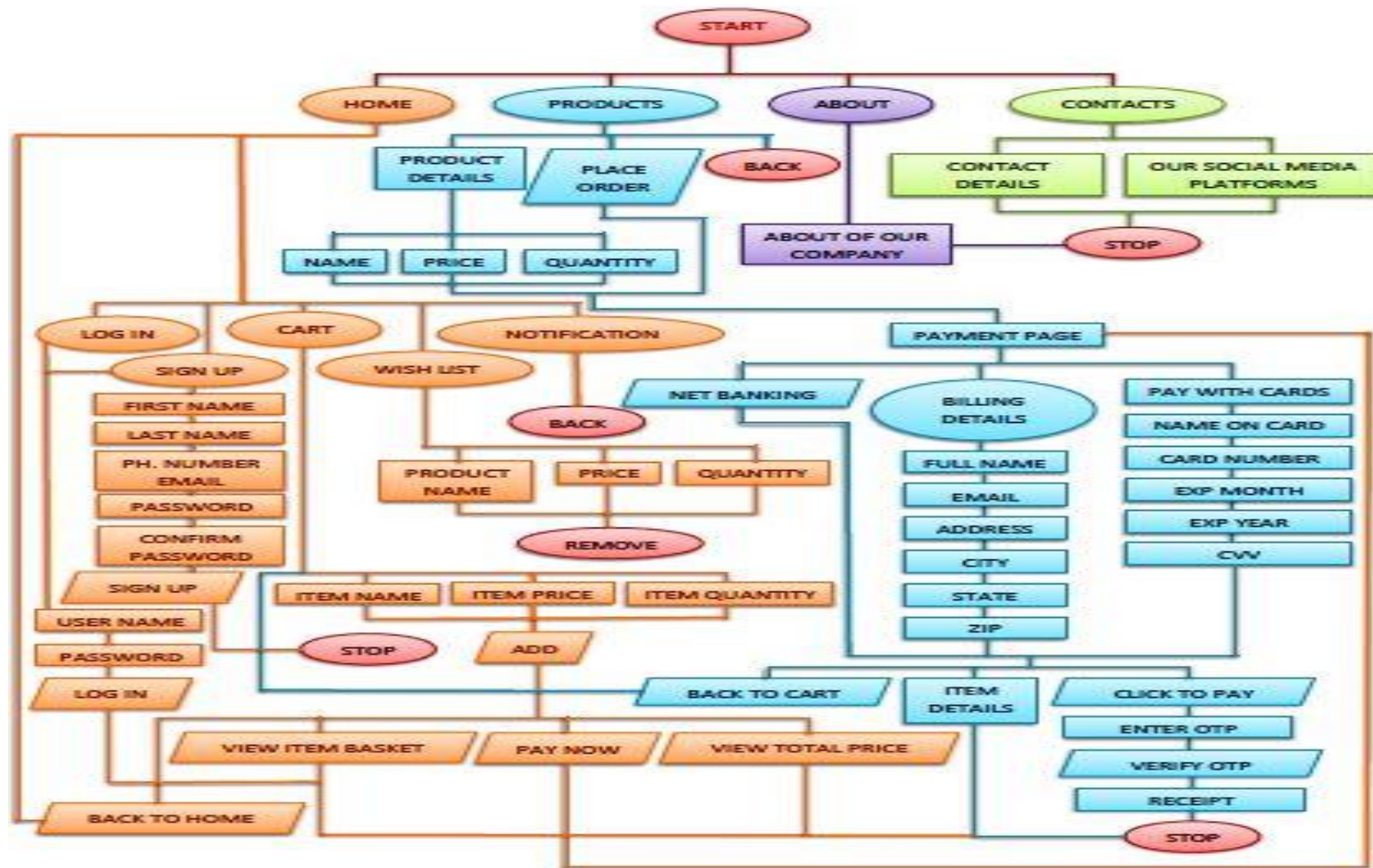
SOFTWARE REQUIREMENTS:

- Any search engine like chrome, firefox, or brave.

SYSTEM OVERVIEW:

The aim of this project is to create an application that should provide service to the user, collect user usage records, generate invoices for each credit expiration, and each billing cycle depending on the billing type, collect payments, and adjust customer's balances. This Billing system project reduces the manual work for managing bills, payments, cash, etc. It collects and manages the details about the customers and their ordered products and their prices. Adds and maintains the records of available products in the retailer shop. Maintains the prices for the products that are available in the retail shop. It also calculates and displays the total amount to be paid by the customer.

FLOW CHART:

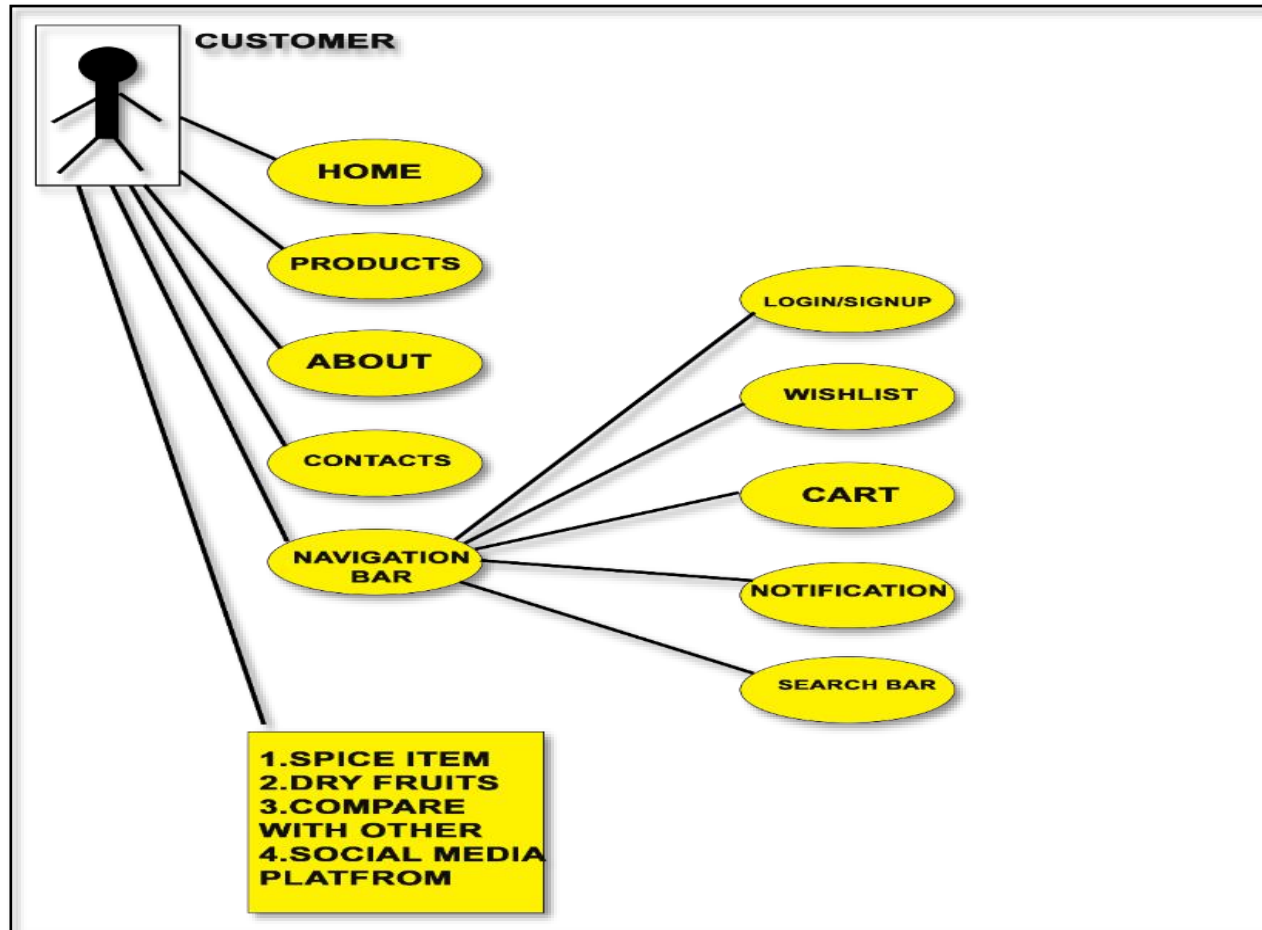


METHODOLOGY:

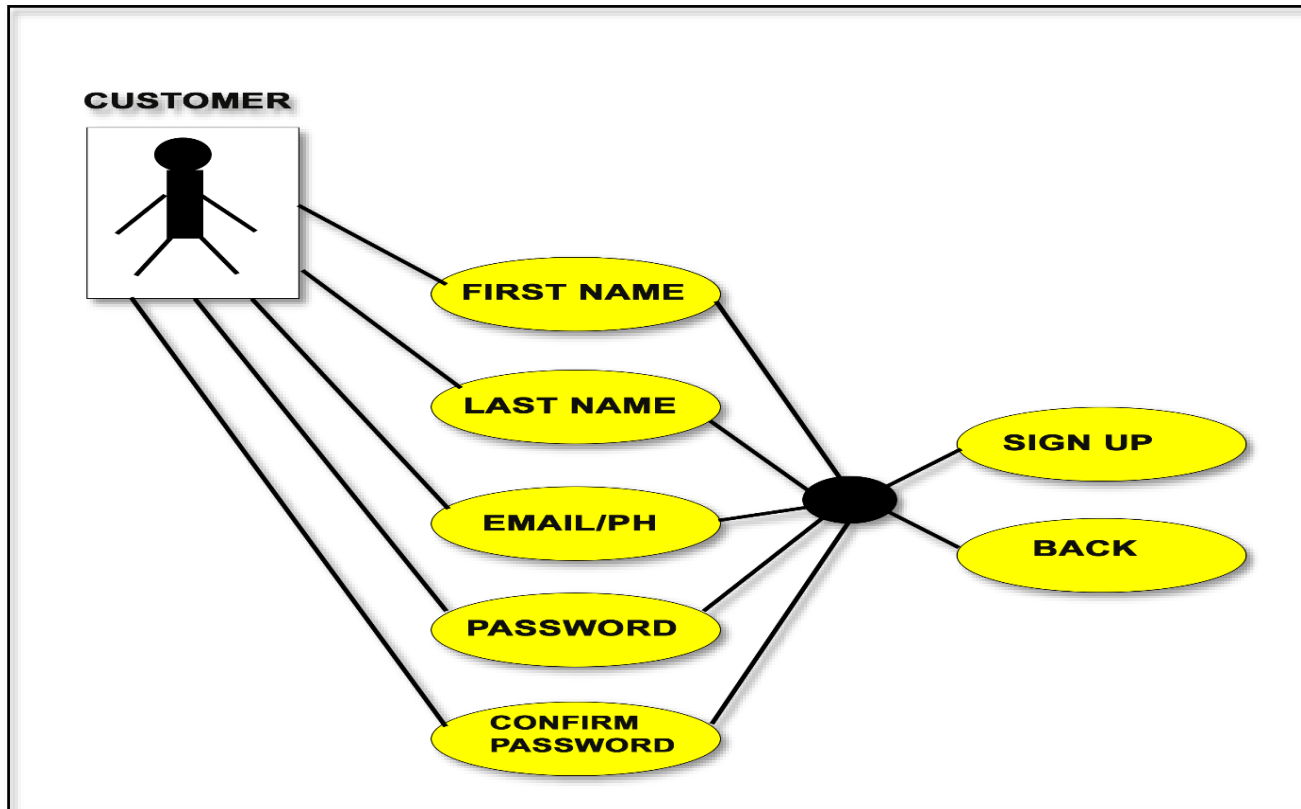
The proposed system makes use of eleven modules that work together to build an efficient retail billing system

- Home Module.
- Sign-up Module.
- Product Module.
- Cart Module.
- Login Module.
- One-time password Module.
- Wishlist Module.
- Payment Module.
- About Module.
- Contact Module.
- Notification Module.

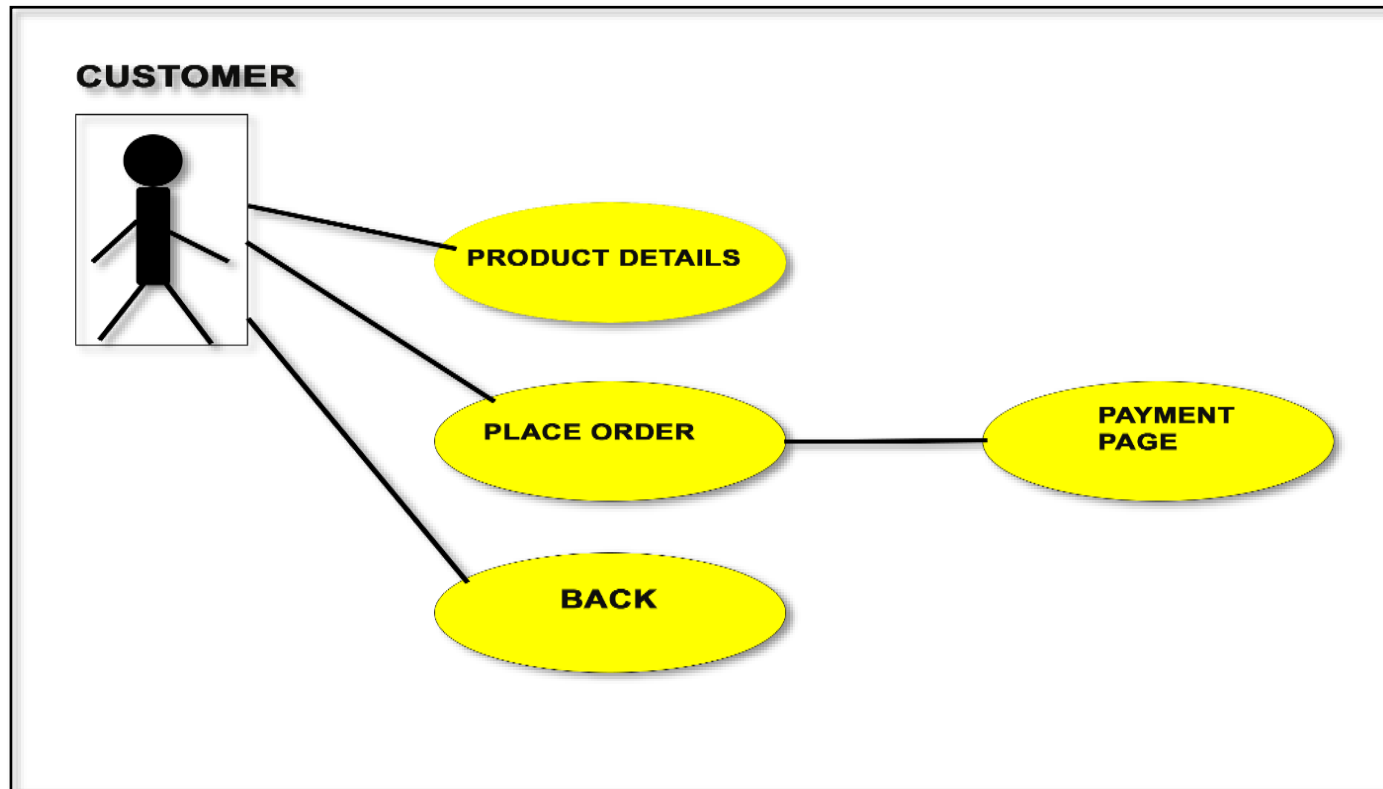
Home Module:



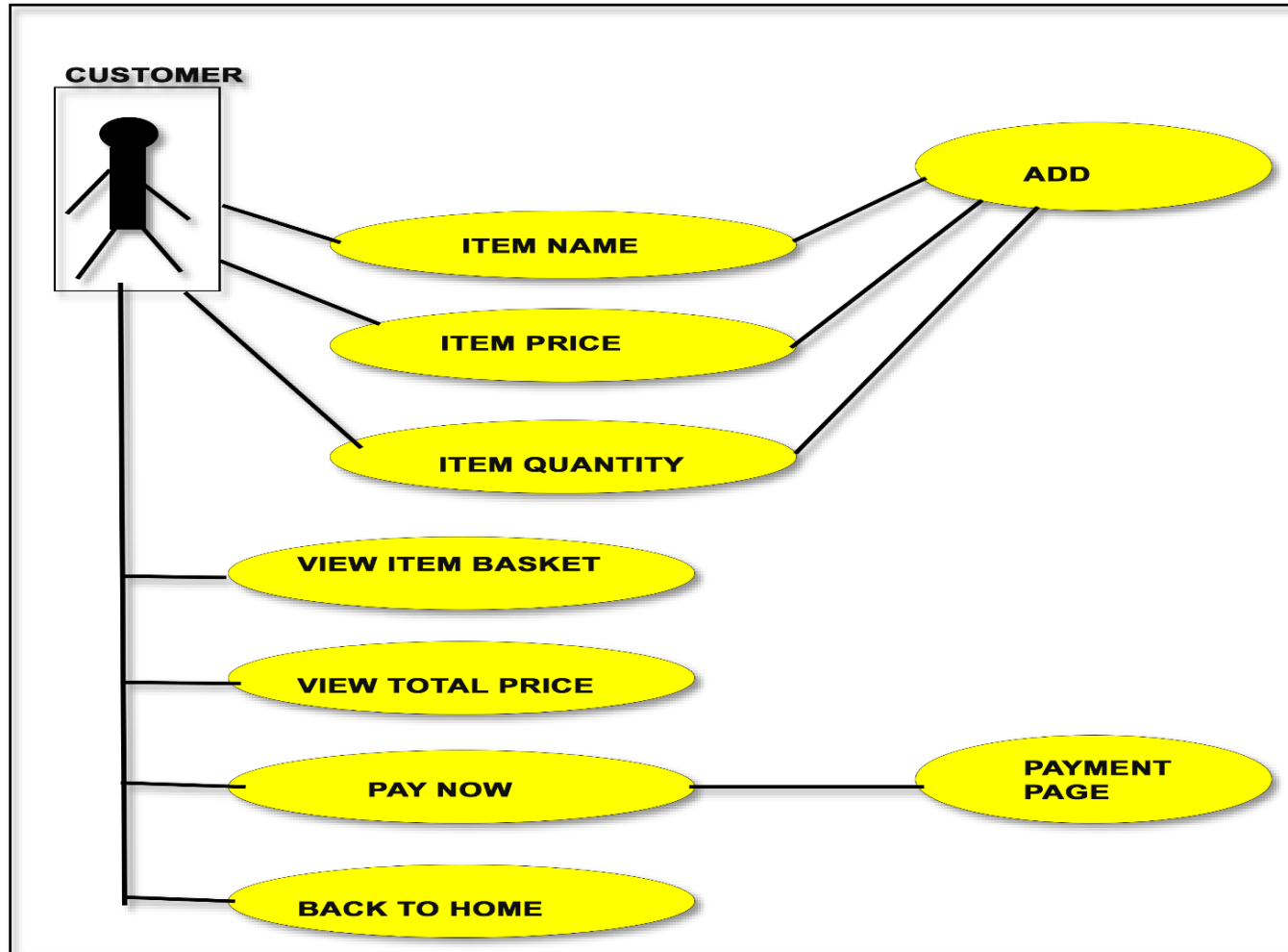
Sign-up Module:



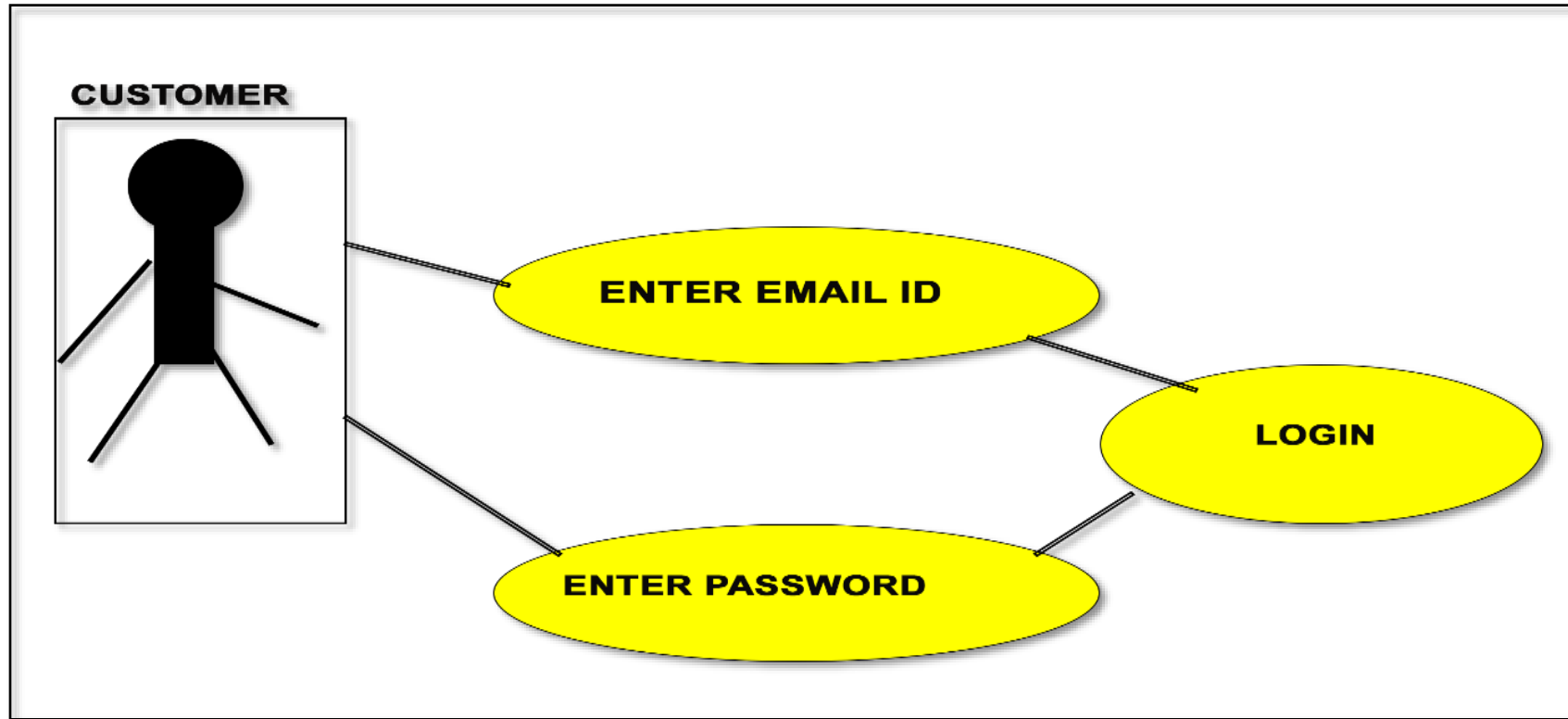
Product Module:



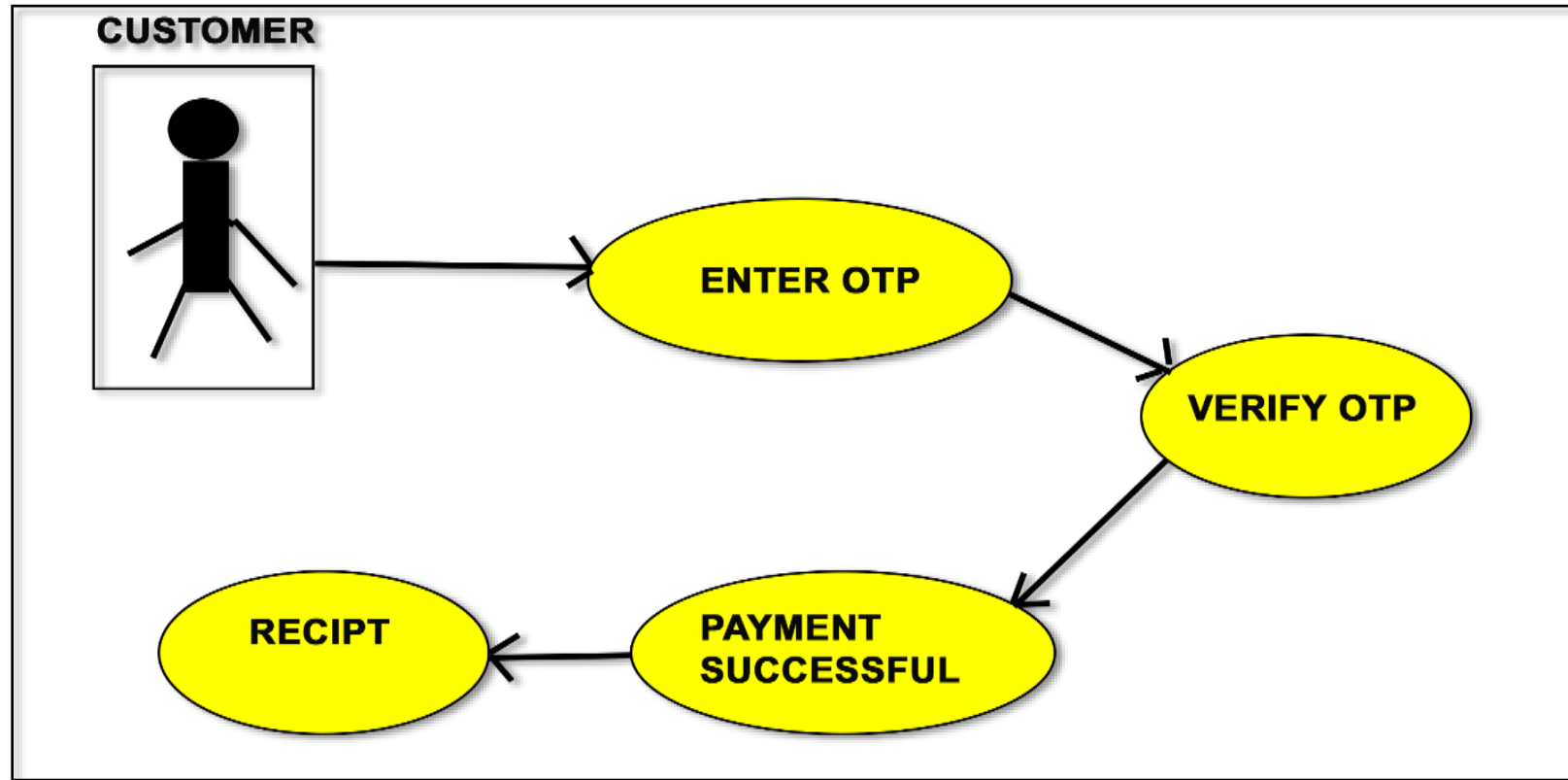
Cart Module:



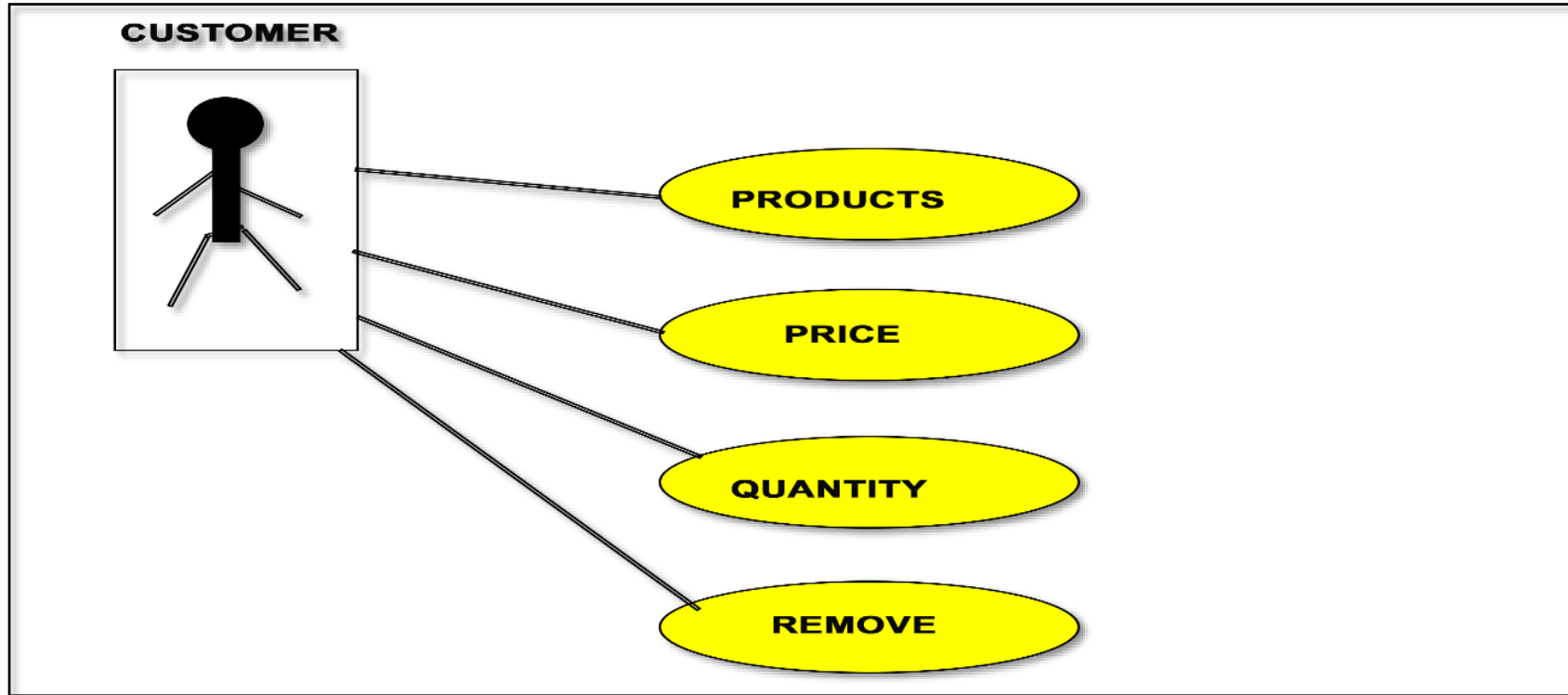
Login module:



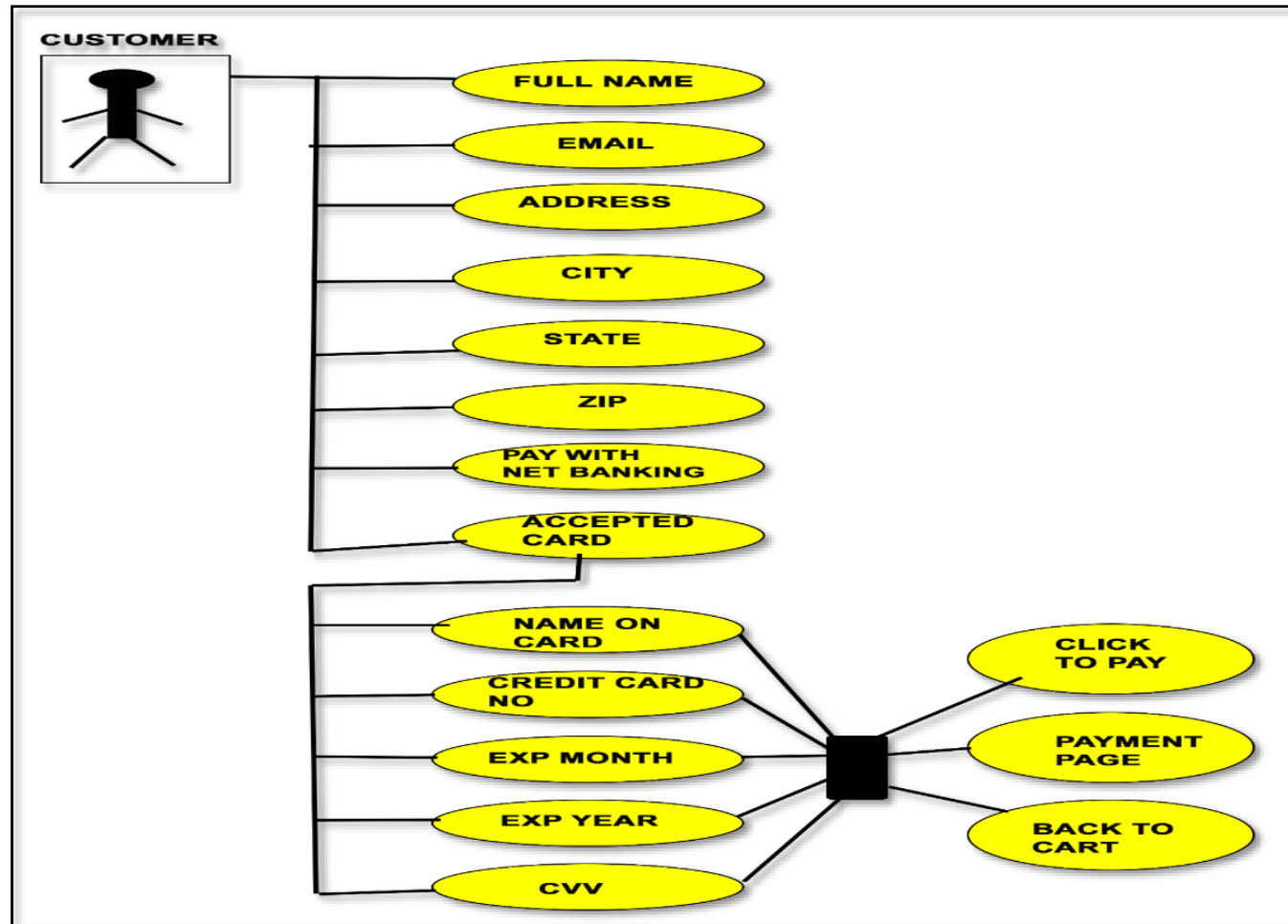
One Time Password Module:



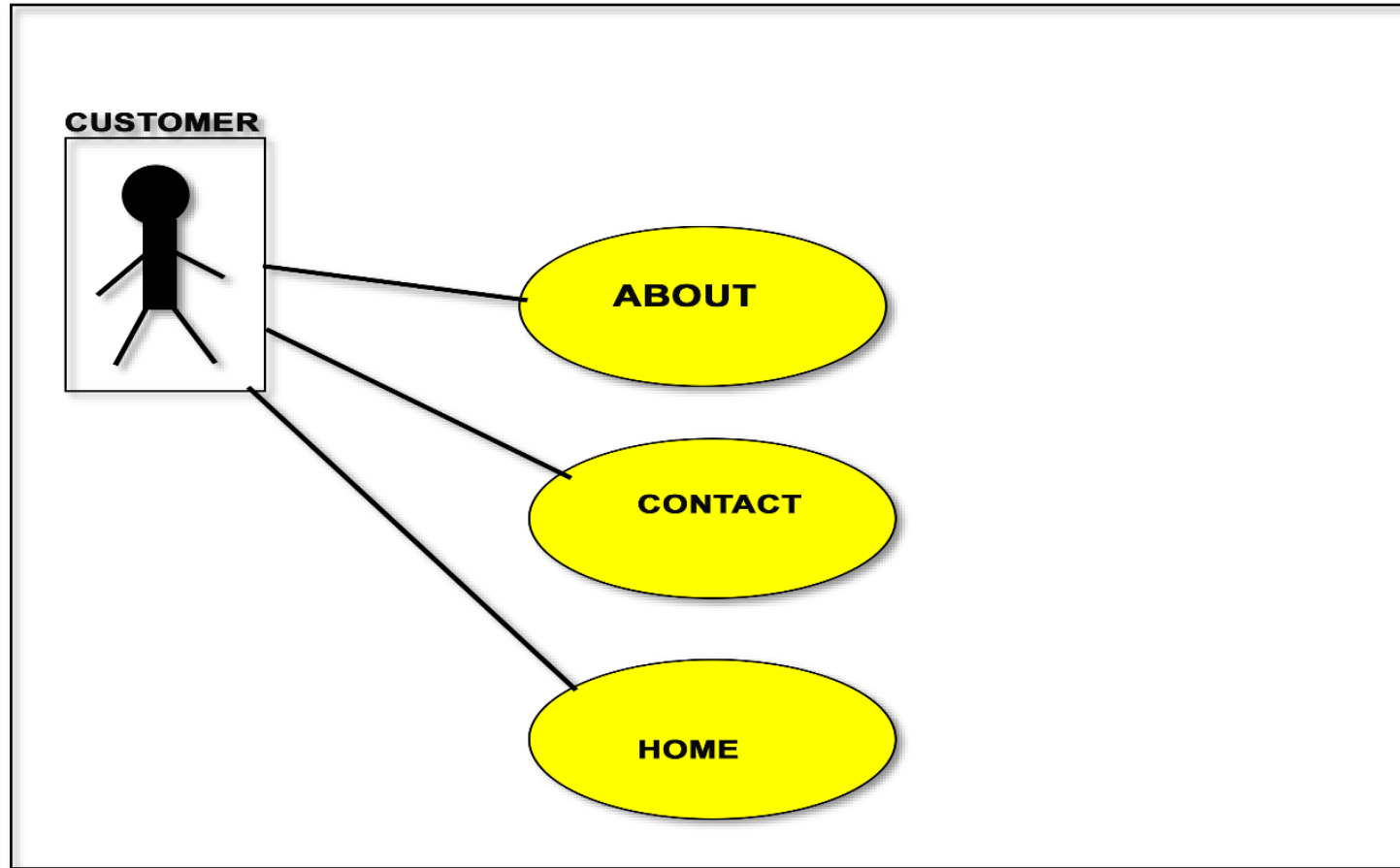
Wishlist Module:



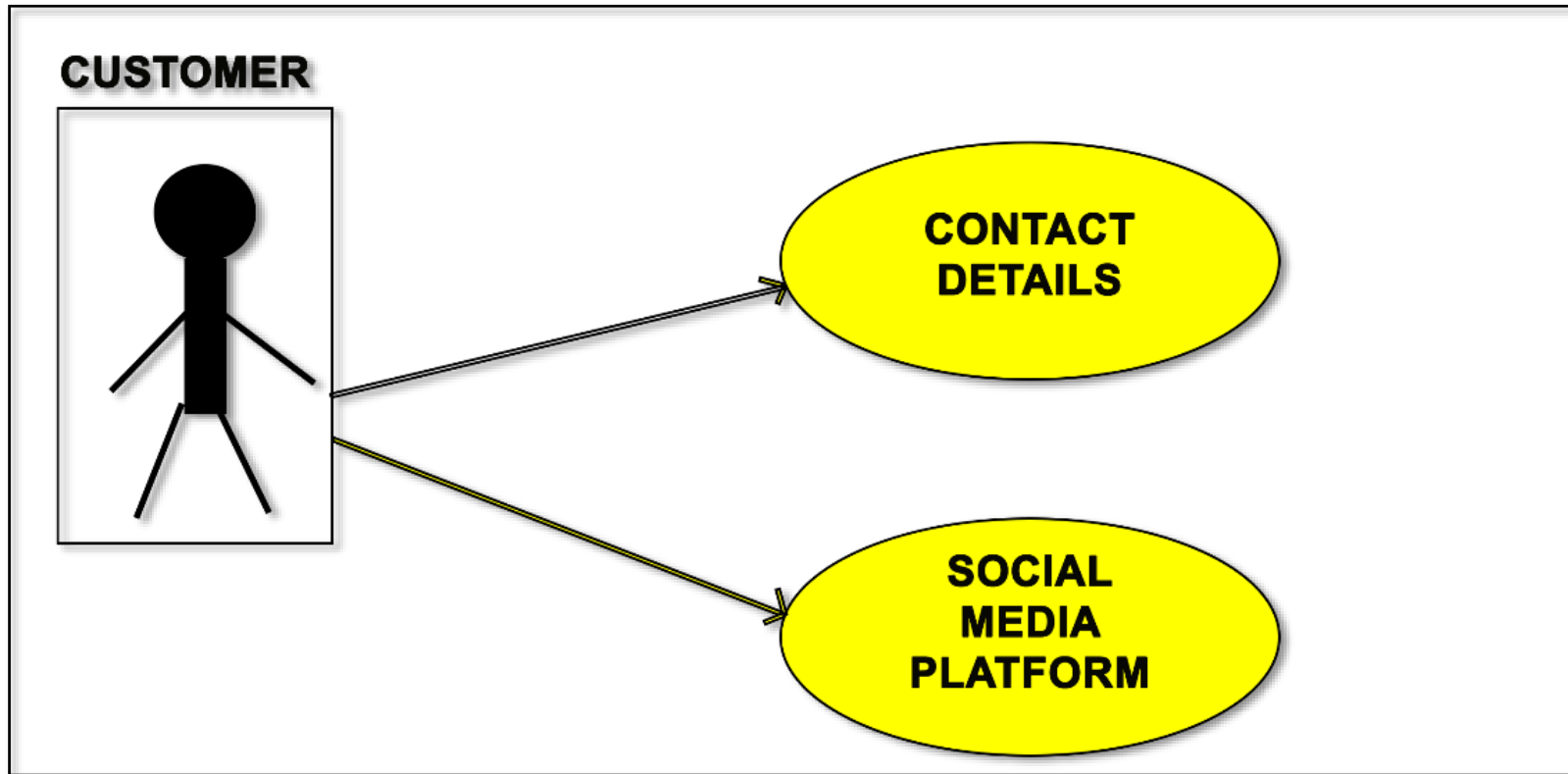
Payment Module:



About Module:

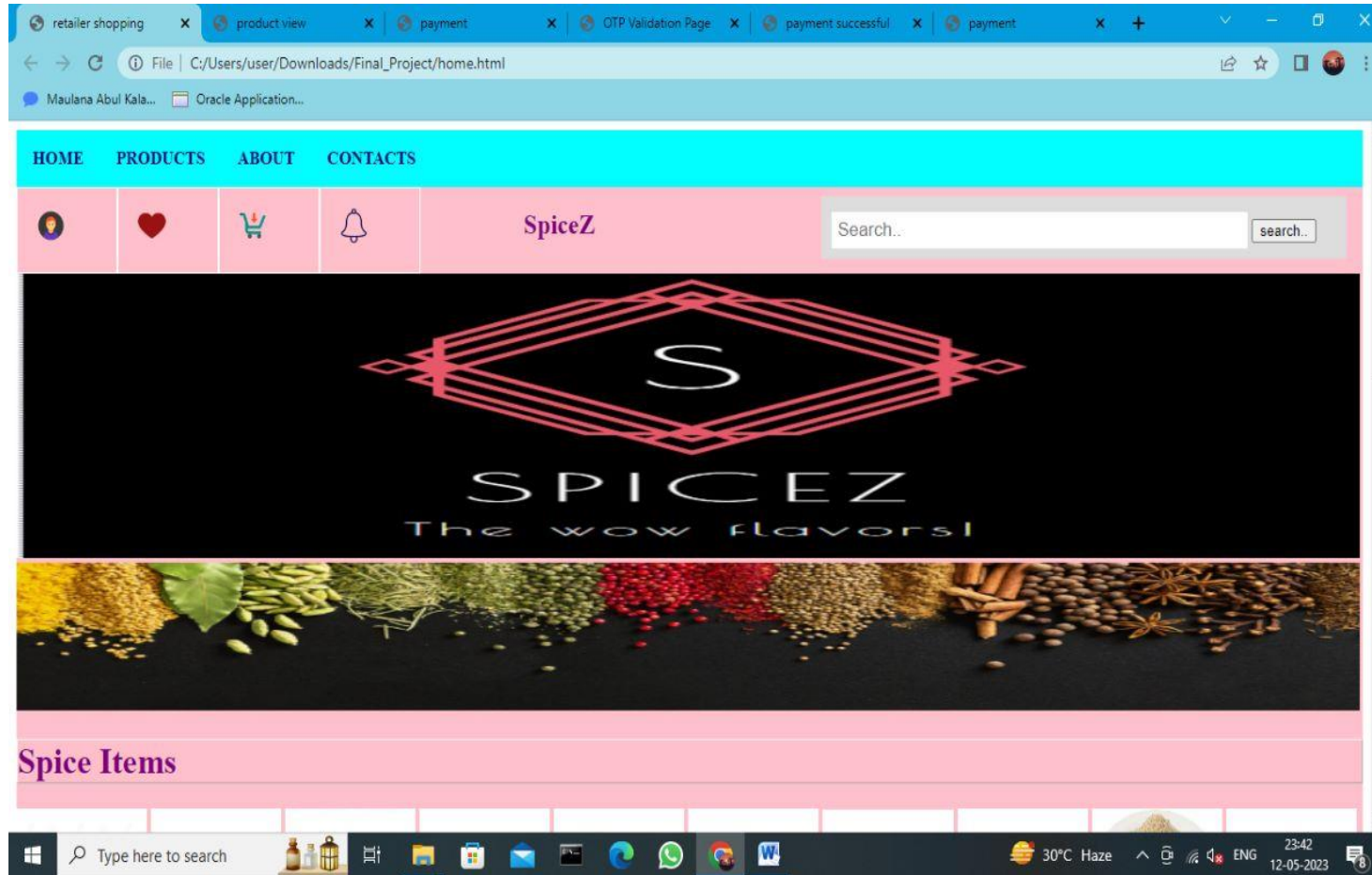


Contact Module:

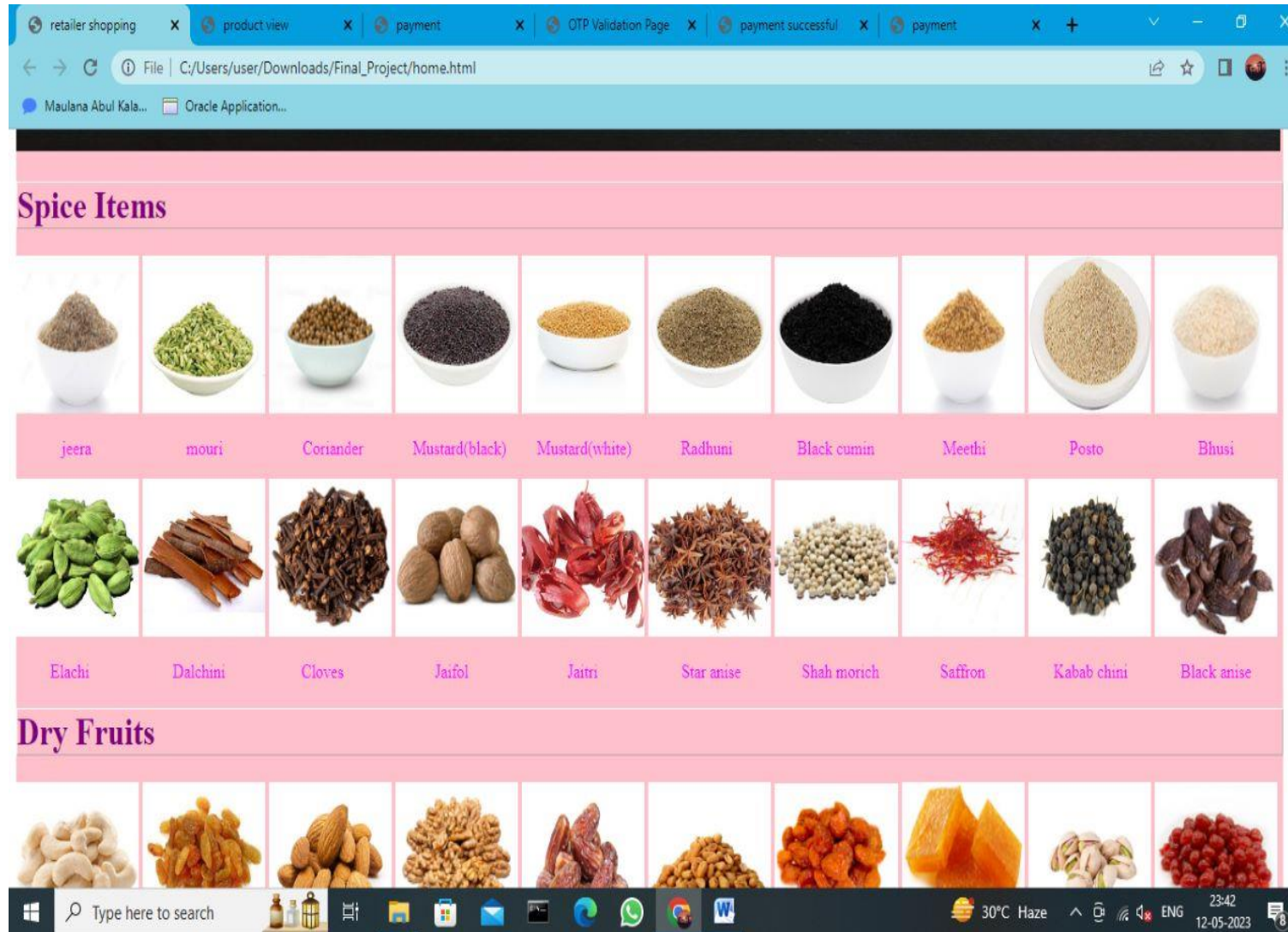


Software Execution:

➤ Home page:



➤ Product-list page:



➤ Login page:

retailer x login x about x about x product x product x payment x OTP Ver x payment x payment x +

File | C:/Users/user/Downloads/Final_Project/login.html

Maulana Abul Kala... Oracle Application...

Login


Does't have an account yet?[Sign up](#)

Enter your user id:

Enter your Password:

[Login](#)

WELCOME BACK!



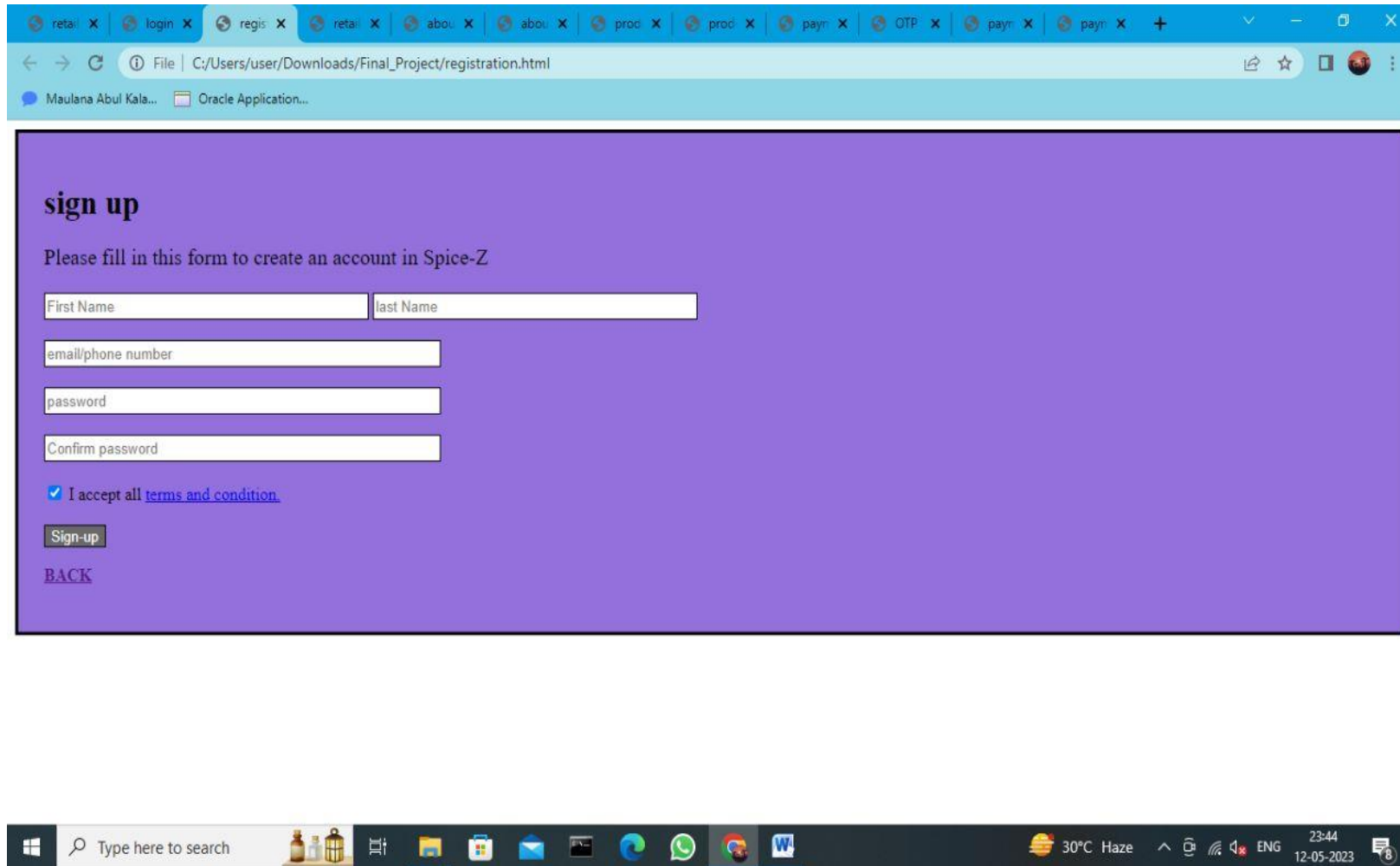
SPICEZ

The wow flavors!

Type here to search

30°C Haze 23:43 12-05-2023

➤ Sign-up Page:



The screenshot displays a web browser window with multiple tabs open. The active tab is titled 'regist' and shows a file path: 'C:/Users/user/Downloads/Final_Project/registration.html'. The browser's address bar also displays this path. Below the browser window, a purple rectangular box contains the sign-up form. The form is titled 'sign up' and includes the instruction 'Please fill in this form to create an account in Spice-Z'. It features five input fields: 'First Name', 'last Name', 'email/phone number', 'password', and 'Confirm password'. Below these fields is a checkbox labeled 'I accept all terms and condition.' with a blue checkmark. At the bottom of the form are two buttons: 'Sign-up' and 'BACK'.

sign up

Please fill in this form to create an account in Spice-Z

First Name last Name

email/phone number

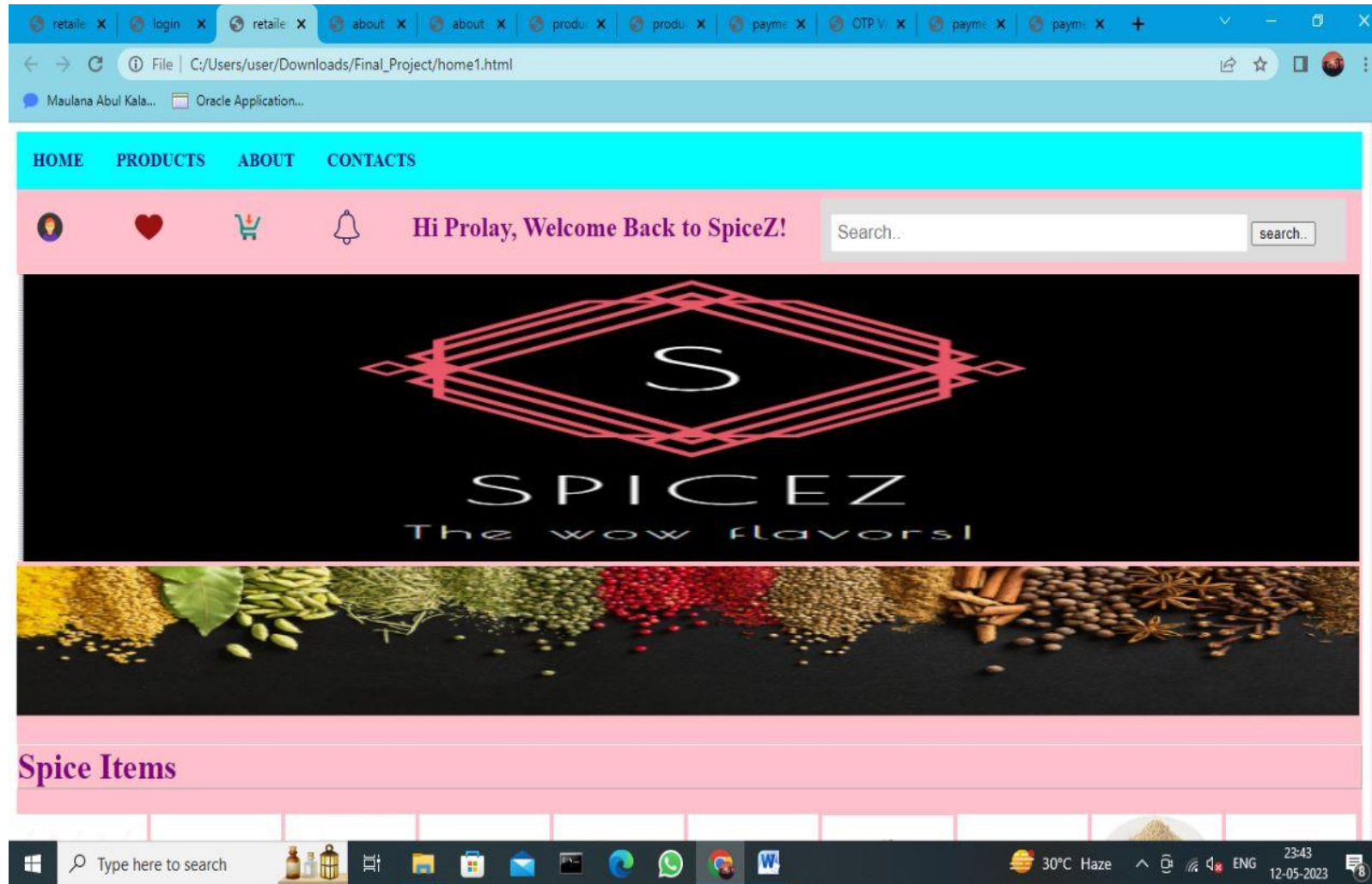
password

Confirm password

☒ I accept all [terms and condition.](#)

[BACK](#)

➤ User interface:




➤ Product Page:

retailer shopping x product view x product view x payment x OTP Validation P x payment success x payment x


File | C:/Users/user/Downloads/Final_Project/product.html

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Black Cumin



Meethi



Posto

Product Details

Product-80/KG

quantity:

[Back](#) [Place Order](#)

Product Details

Product-1300/KG

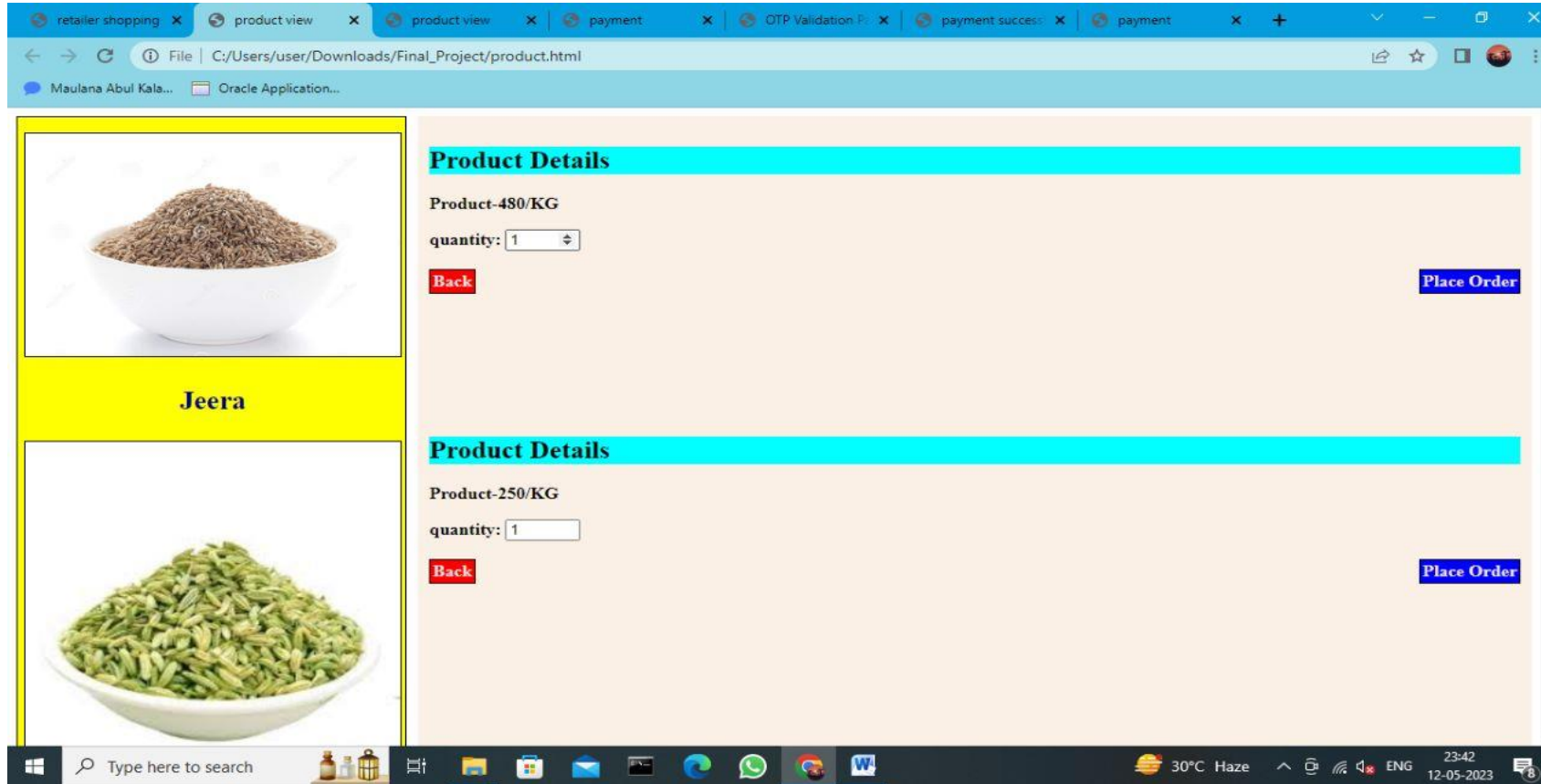
quantity:

[Back](#) [Place Order](#)

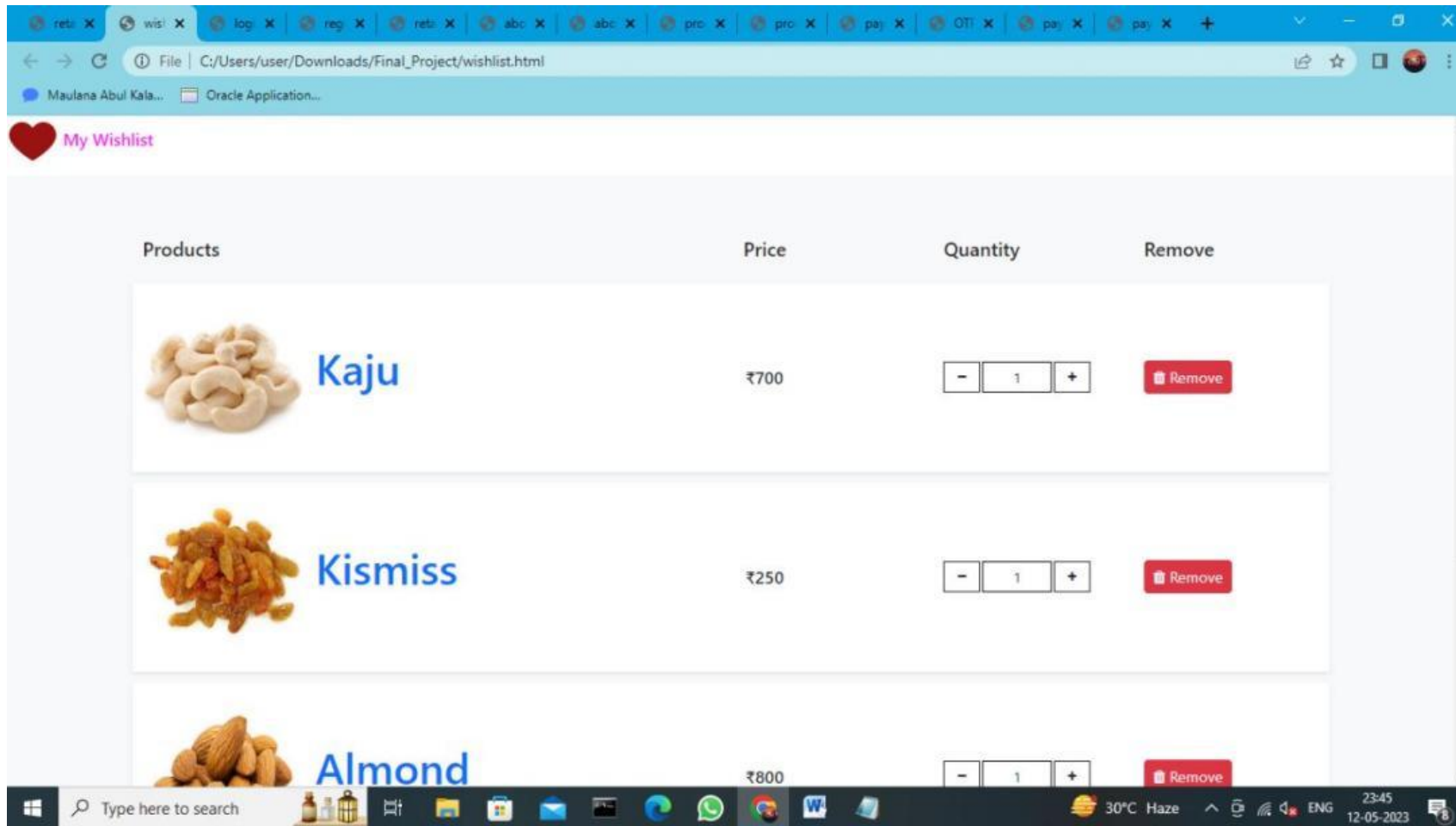
Type here to search

30°C Haze 23:43 12-05-2023




➤ Prosdut Page:



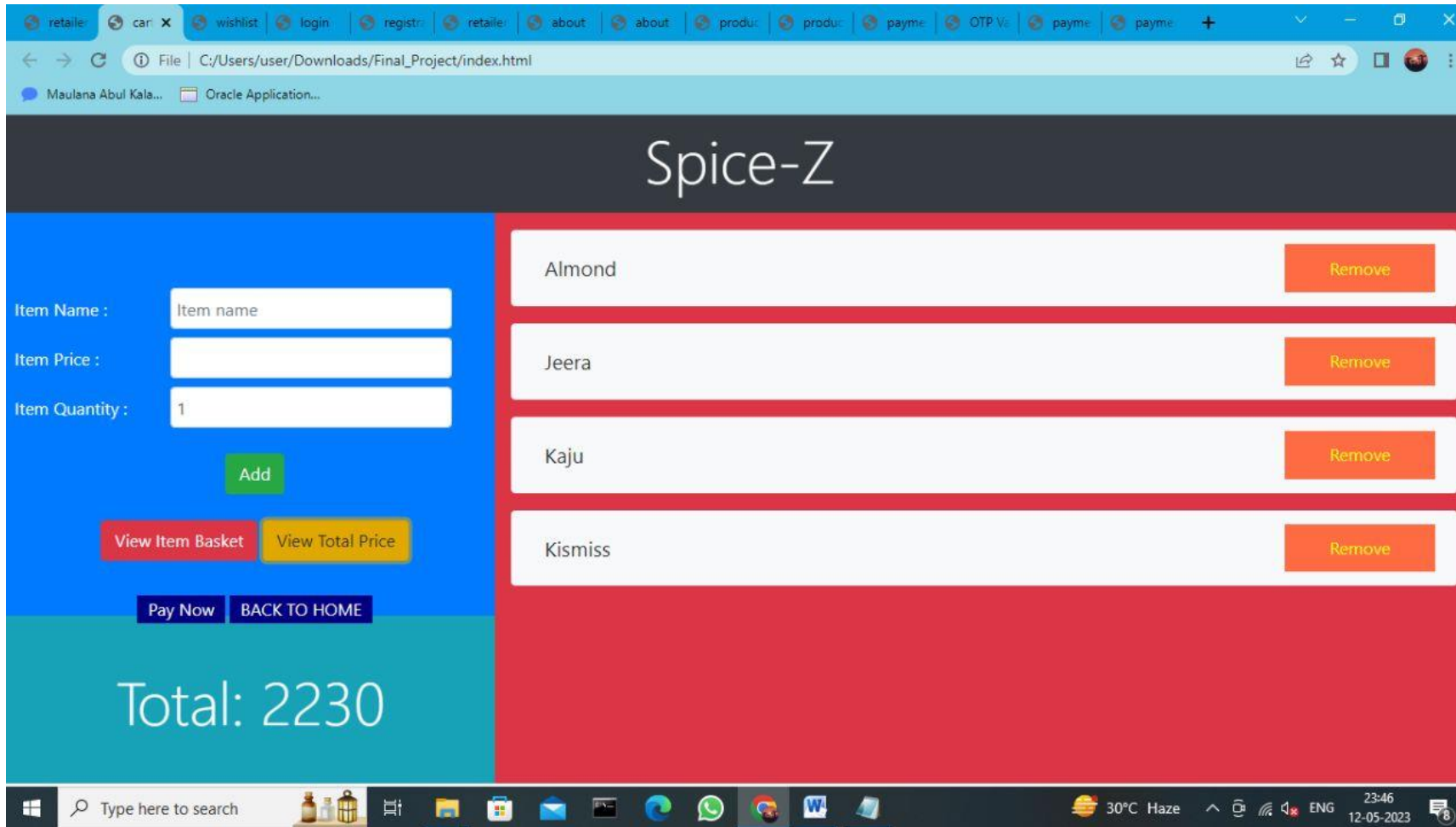
➤ Wishlist Page:



The screenshot displays a web browser window with multiple tabs open. The active tab shows a file named 'wishlist.html' located at 'C:/Users/user/Downloads/Final_Project/wishlist.html'. Below the browser window, a Windows taskbar is visible, showing the search bar and various application icons. The main content of the page is titled 'My Wishlist' and features a table with the following items:

Products	Price	Quantity	Remove
 Kaju	₹700	<input type="button" value="-"/> <input type="text" value="1"/> <input data-bbox="1375 649 1414 678" type="button" value="+"/>	<input data-bbox="1477 649 1567 678" type="button" value="Remove"/>
 Kismiss	₹250	<input type="button" value="-"/> <input type="text" value="1"/> <input data-bbox="1375 885 1414 913" type="button" value="+"/>	<input data-bbox="1477 885 1567 913" type="button" value="Remove"/>
 Almond	₹800	<input type="button" value="-"/> <input type="text" value="1"/> <input data-bbox="1375 1113 1414 1142" type="button" value="+"/>	<input data-bbox="1477 1113 1567 1142" type="button" value="Remove"/>

➤ Cart Page:



The screenshot shows a web browser window with multiple tabs. The active tab is 'cart', displaying the 'Spice-Z' cart page. The page has a dark header with the 'Spice-Z' logo. The main content area is divided into a blue sidebar on the left and a red-bordered cart area on the right. The sidebar contains input fields for 'Item Name', 'Item Price', and 'Item Quantity' (set to 1), an 'Add' button, and two buttons: 'View Item Basket' (red) and 'View Total Price' (yellow). Below these are 'Pay Now' and 'BACK TO HOME' buttons. A large teal box at the bottom left displays 'Total: 2230'. The cart area on the right lists four items: Almond, Jeera, Kaju, and Kismiss, each with a 'Remove' button. The Windows taskbar at the bottom shows the search bar, application icons, and system status (30°C, Haze, 23:46, 12-05-2023).

retailer cart x wishlist login registr retailer about about produc produc payme OTP Ve payme payme +

File | C:/Users/user/Downloads/Final_Project/index.html

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Spice-Z

Item Name :

Item Price :

Item Quantity :

Add

View Item Basket View Total Price

Pay Now BACK TO HOME

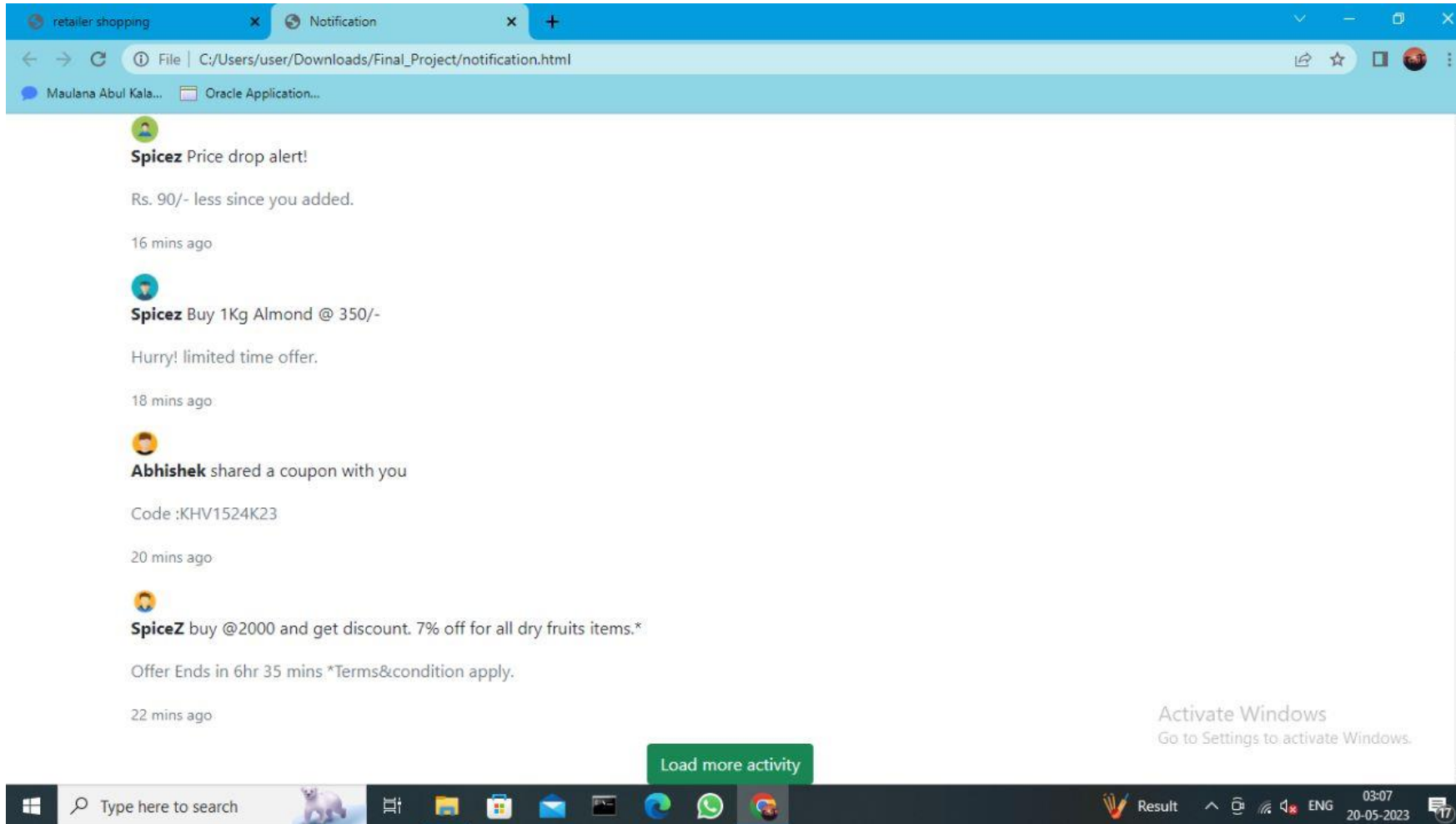
Total: 2230

Almond	Remove
Jeera	Remove
Kaju	Remove
Kismiss	Remove

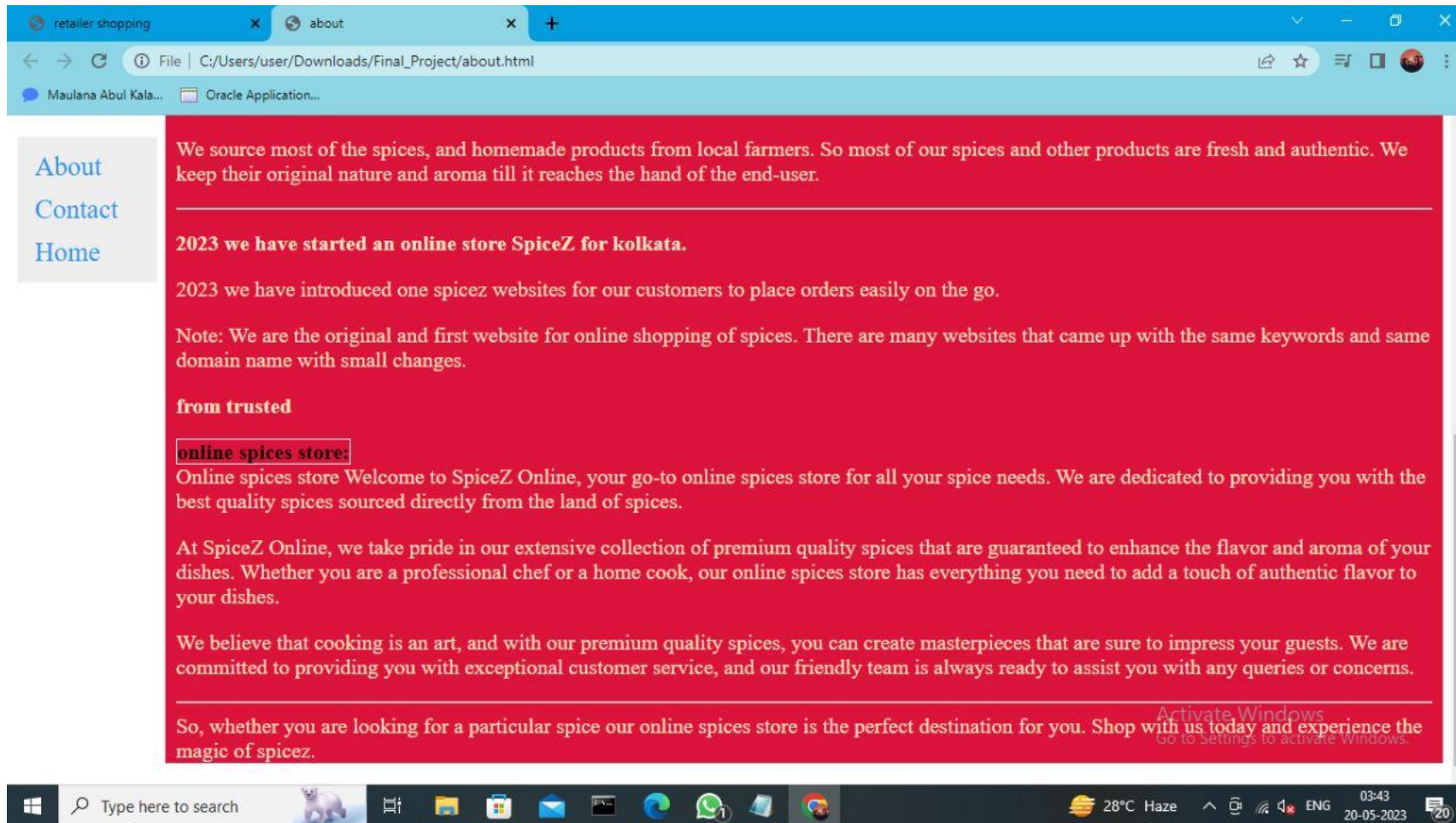
Type here to search

30°C Haze 23:46 12-05-2023

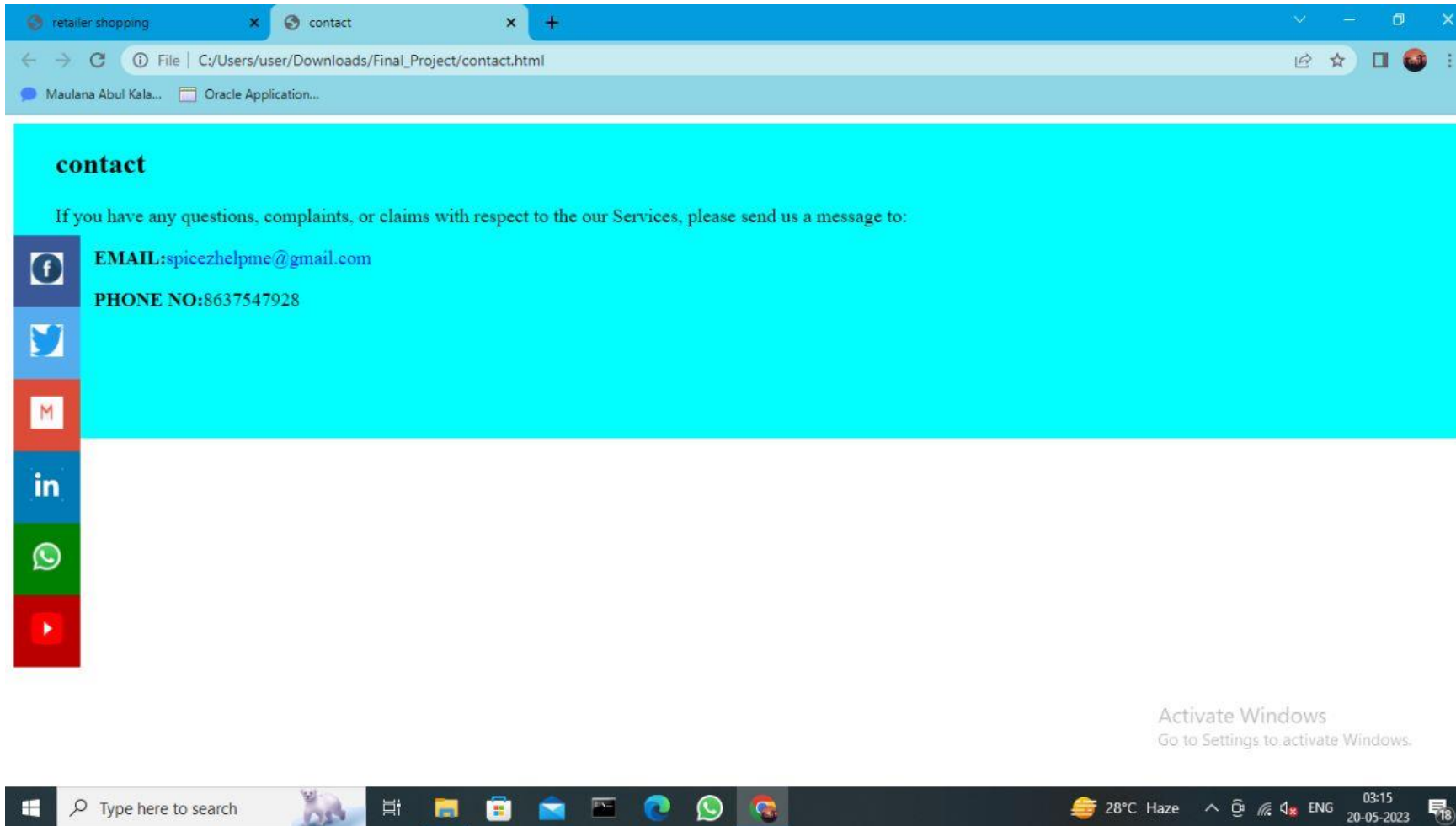
➤ Notification Page:



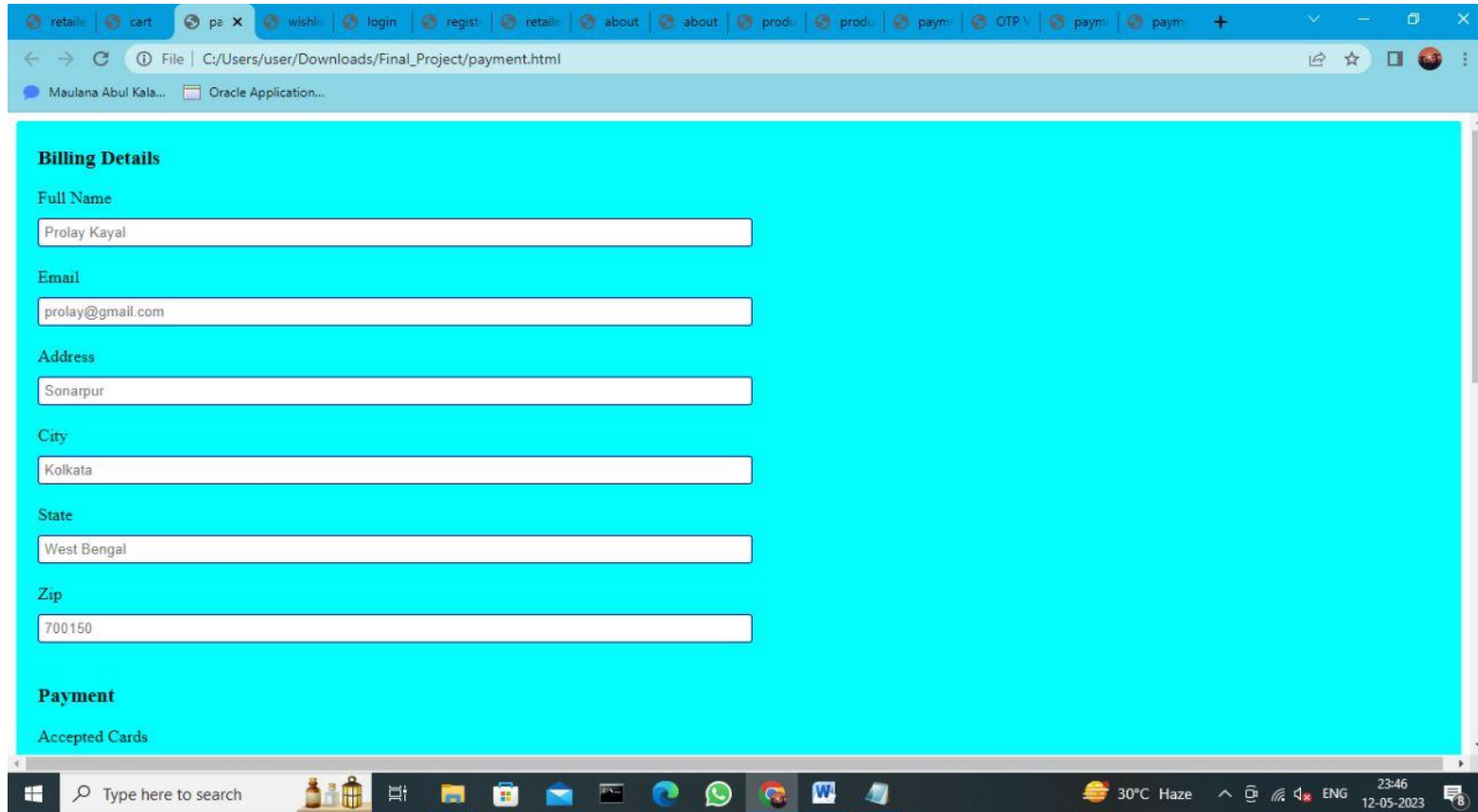
➤ About Page:



➤ Contact Page:



➤ Payment Page:



retail cart pa x wish login regist retail about about produ produ paym OTP paym paym +

File | C:/Users/user/Downloads/Final_Project/payment.html

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Billing Details

Full Name
Prolay Kayal

Email
prolay@gmail.com

Address
Sonarpur

City
Kolkata

State
West Bengal

Zip
700150

Payment

Accepted Cards

Type here to search

30°C Haze 23:46 12-05-2023

➤ Payment Page:

retail cart pa X wish login regist retail about about produ produ paym OTP V paym paym +

File C:/Users/user/Downloads/Final_Project/payment.html

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Exp Month

January

Exp Year

2025

CVV

123

☒ Shipping address same as billing address

CLICK TO PAY BACK TO CART

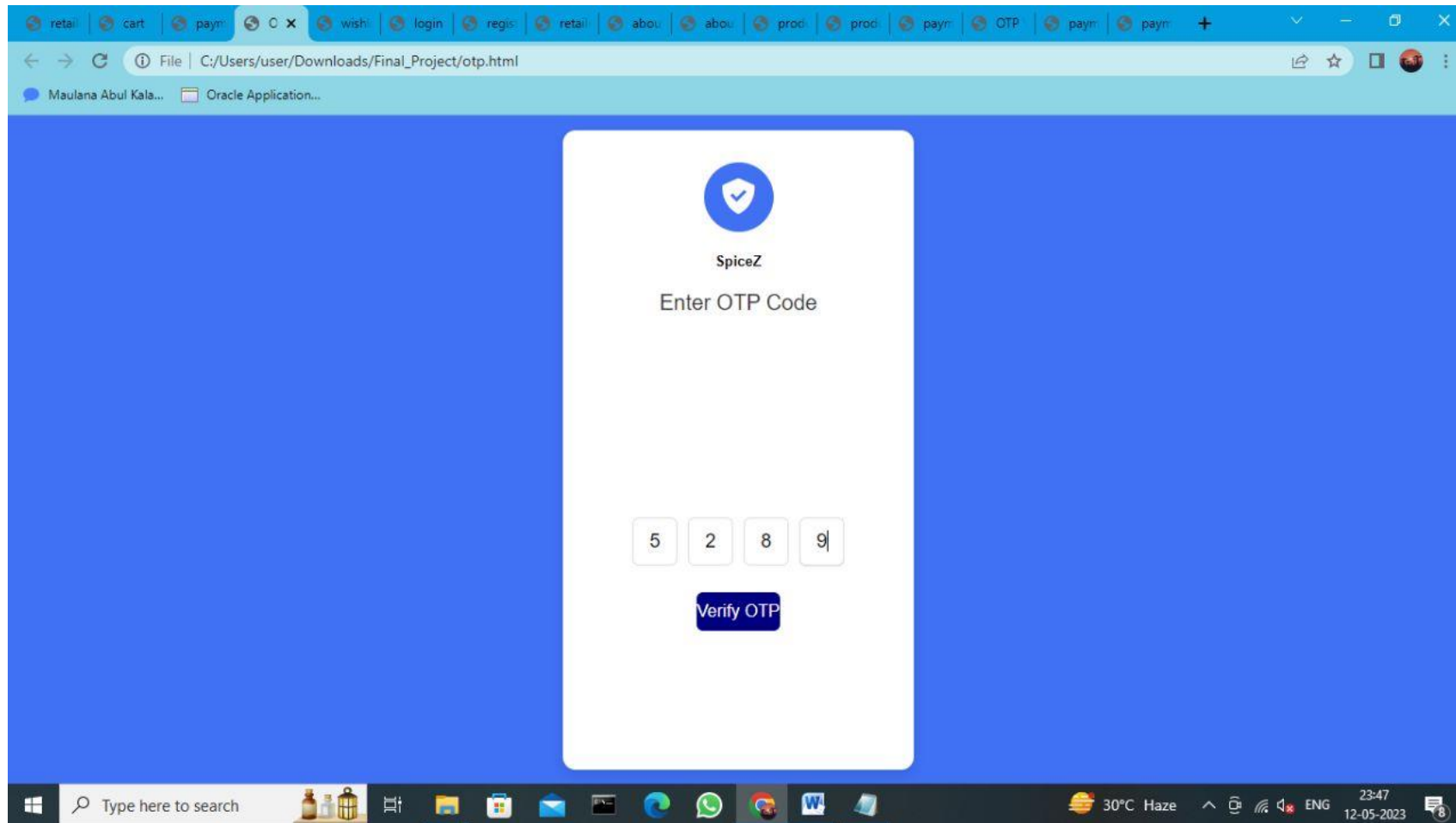
Your SpiceZ Items 4

Kaju	₹700
Almond	₹800
Kismis	₹250
Jeera	₹480
Total	₹2230

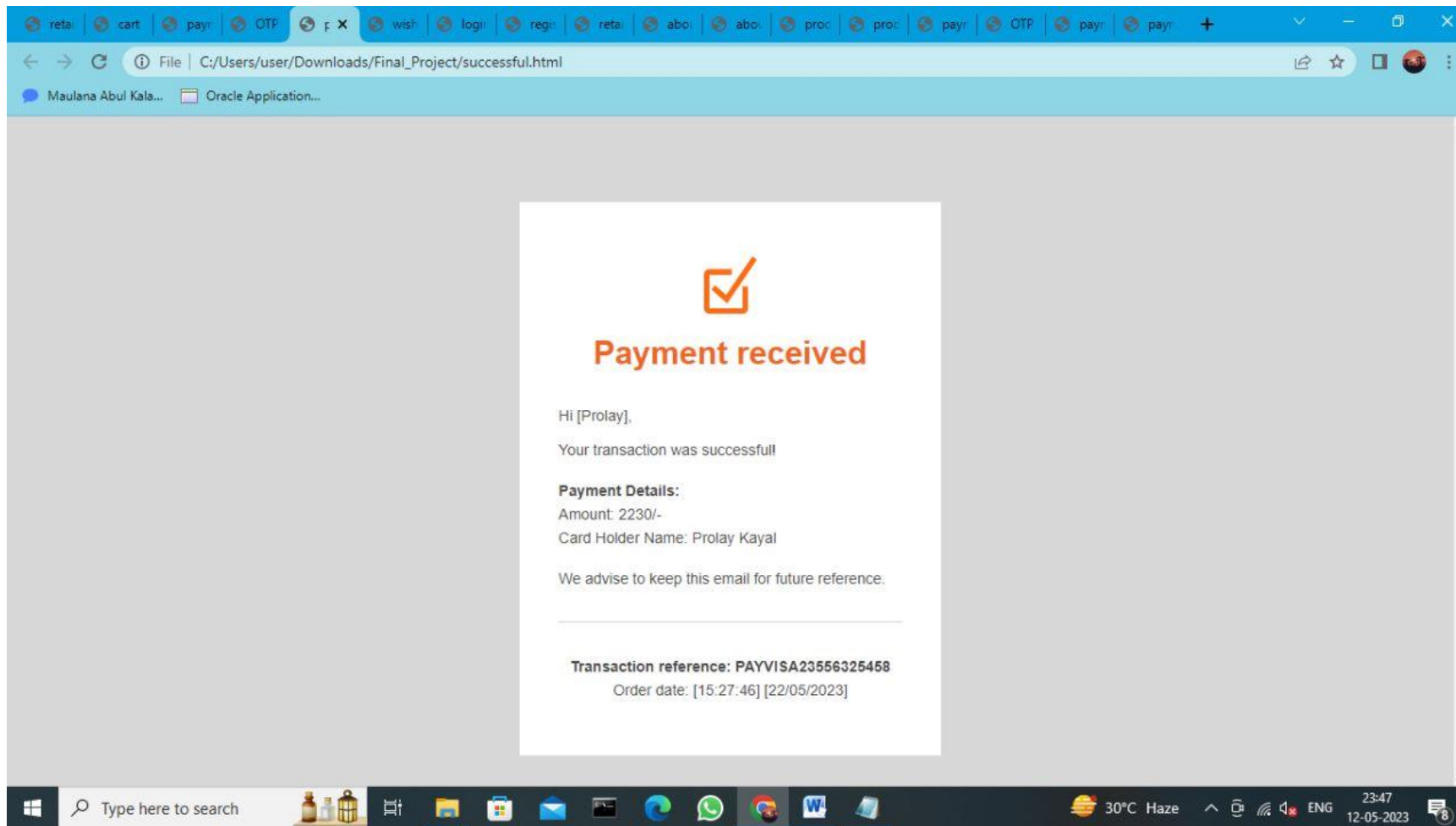
Type here to search

30°C Haze 23:47 12-05-2023

➤ Otp Page:



➤ Invoice Page:



Present work:-

We made a web-based application that can perform several tasks. We just made the front-end structure of that web page.

We added some features to the project till now.

- Searching products from the product list.
- Order some product.
- Calculate the total price of the product.
- User can add wish to buy items added into the cart section.
- User can add loved items into wishlist.
- User can get several offer for user.
- Provide one way authentication for user.
- Payment through different payment method.
- User can get the invoice for ordered items.

ADVANTAGES:-

- Saving in labor due to self-service system.
- Reduction of paperwork.
- Major operations that are done manually within a matter of seconds.
- Low cost of operation.
- Freedom of selection.
- Shopping is very easy and quick.

FUTURE SCOPE:

- We will add animation effect on this web-base application.
- We will add backend through java script.
- We will add data base through any data base technology.
- We will add user profile section.
- We will add filtering function on product list.
- We will add sorting function on product list.
- We will add upi payment method.
- Admin will able to audit the stock.
- User will receive the notification through email and phone number.

CONCLUSION:-

Thus, the proposed system fulfills its main objective to provide a simple web billing system that is easy to implement. It should provide service to the user, collect user usage records, generate invoices for each credit expiration, and each billing cycle depending on the billing type, collect payments, and adjust customers' balances. This system brings out a simple, easy-to-use billing system, that is not too complicated on the eyes and could actually be understood even by society's underprivileged sections.

REFERENCE:-

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Chen, Yu-Teng Chang, Y-S Kan, R. S. Chen, S. F. Wu DOI: 10.1109/INFOCT.2018.8356830
<https://ieeexplore.ieee.org/document/8356830/>

THANK YOU