VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

PROJECT REPORT

Winter Semester 2021 – 22

CSE 3002 – Internet and Web Programming

Slot: B2

Course Instructor: Prof. Archana T

TITLE: Pharma Man

PROJECT REPORT BY:

Vashishth Gajjar (19BCE2286)
Akash H (19BCE2283)
Nadimpalli L NARASIMHA RAJU (19BCE2247)
Pritisha Sanjay Nakhwa (19BCE0546)
Shreeyam Sharma (19BCE2700)

- ABSTRACT
- ACKNOWLEDGEMENT
- INTRODUCTION
- MODULES
- SOFTWARE/TOOLS USED
- PAGE CONNECTION DIAGRAM
- DATA FLOW DIAGRAM
- TABLES
- IMPLEMENTATION
    - A. SAMPLE CODE PAGES
    - B .SCREEN SHOTS
- CONCLUSION

ABSTRACT

The design and construction of an E-Commerce Website for Medicines is demonstrated in this project. The primary goal of this project is to increase pharmaceutical store accuracy while also increasing safety and efficiency. This E-Commerce Site will make it simple for people to buy and trade pharmaceuticals.The pharmacy management system will be utilised to save time and money by storing drug details in a systemic manner so that the data can be accessed quickly. While personnel, money, paperwork, and other resources are reduced, the system is user-friendly and will assist the pharmacist. By maintaining and updating the Medicines, this system relieves pharmacists of their duty and makes the system more efficient.

This technology is intended to bridge the gap between customers and pharmacists by making it simple to search for and purchase medications. Many people are infected with COVID-19 and are unable to obtain treatment in their own country. This is an excellent option for folks who are hesitant to leave their homes to get medications. The E-Commerce Website is a complete workflow management system for dispensing that is meant to improve accuracy, safety, and efficiency. Many people still go to their neighbourhood pharmacy to get their prescriptions filled. Our goal is to assist such individuals by providing a secure and user-friendly interface.

ACKNOWLEDGEMENT

We would like to showcase our collective appreciation and gratitude towards everyone who has contributed to the successful and complete accomplishment of our project “Pharma Man”. The completion of this project would not have been possible without this undeniable large support. We would like to show a vote of thanks to our faculty, Dr. Archana T, for her continuous guidance, support, and mentorship which was central to the completion of this project within time. The lessons in this course have been instrumental in teaching us the significance of parallelization and its application in distributed systems for the completion of large-scale operations. We also would like to thank our Dean, for providing us with the resources needed and the ideal environment for the completion of the project. Finally, we would like to show our immense gratitude to VIT University, for providing us a platform where we could learn practical concepts and develop practical and real-world projects.

Place: Vellore

Members:

Vashishth

Akash

Narsimha

Pritisha

Shreeyam

Date: 29th April 2022

INTRODUCTION

Many people still go out to their local chemist shop for purchasing medicines. Our target is to help those people by providing an interface that is safe and easily navigable. The People can easily register for an account or log in after which they can search for any medicine that is prescribed and easily view the photos. After which they can add the amount of meds to the cart and place their order. This 5 minutes process will save a lot of time for the buyers and gives them easy access to all products available. For the Admin, he/she can easily buy/sell their medicines on PharmaMan. They can add new medicines and edit the existing details as well. Admin can also view the pending orders for delivery and easily provide the medicines. Therefore to solve this kind of problem the urgent need is to develop a Pharmacy management system that will prove beneficial for the Pharmacy. By using this software we can purchase, sell the medicines very well, we can do cost saving and maintain inventory control. This system can help pharmacy, to handle the incomings and outgoings more smoothly and in a better way.

MODULES

- **Homepage**
- **About**
- **Account**
- **Cart**
- **Product**
- **Product-details**

SOFTWARE/TOOLS/TECHNOLOGY USED

Software used

1. A Text Editor- VScode/Atom

2. MongoDB (locally run/cloud service)

3. Node.js

Technologies Used

Frontend:

a. HTML: Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

b. CSS: Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

c.JAVA SCRIPT: JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document.

Backend:

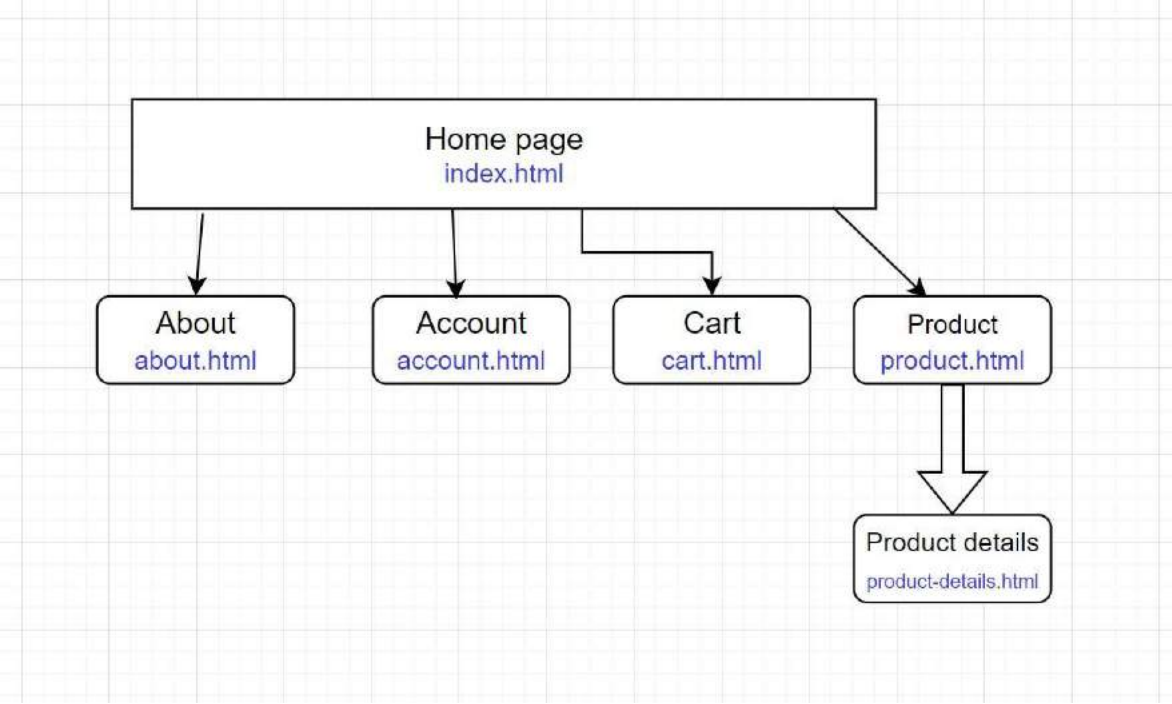
a. Node.js: Node.js is an open-source, cross-platform, back-endJavaScriptruntime environment that runs on the ChromeV8 engine and executes JavaScript code outside a web browser. Node.js lets developers use JavaScript to write command line tools and for server-side scripting.

b. Express.js: Express.js, or simply Express, is a back-end web application framework for Node.js, released as free and open-source software under the MIT License. It is designed for building web applications and APIs. It has been called the de facto standard server framework for Node.js.

Database:

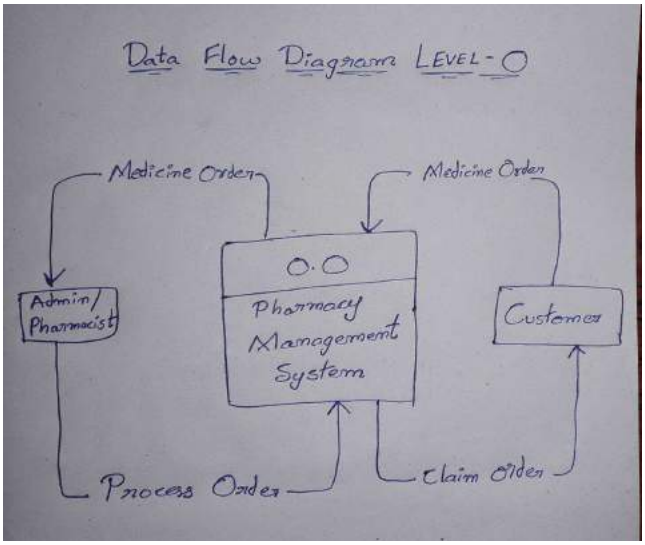
a. MongoDB: MongoDB is a general purpose, document-based, distributed database built for modern application developers and for the cloud era.

PAGE LINK DIAGRAM

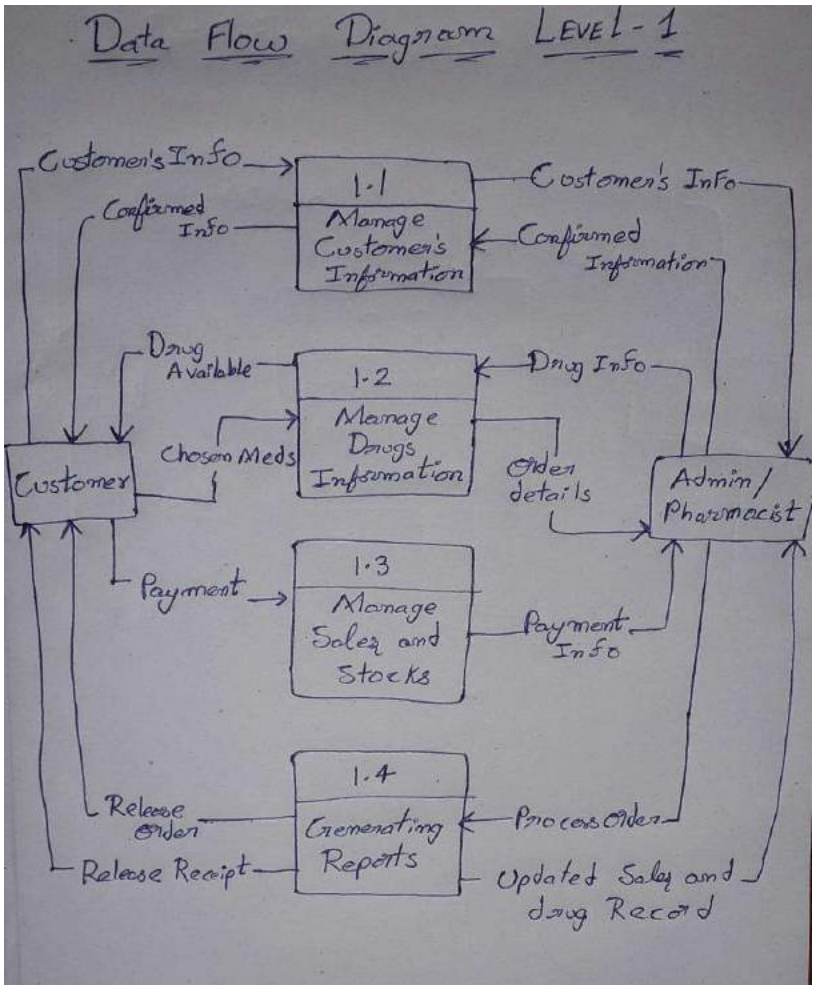


DATA FLOW DIAGRAM

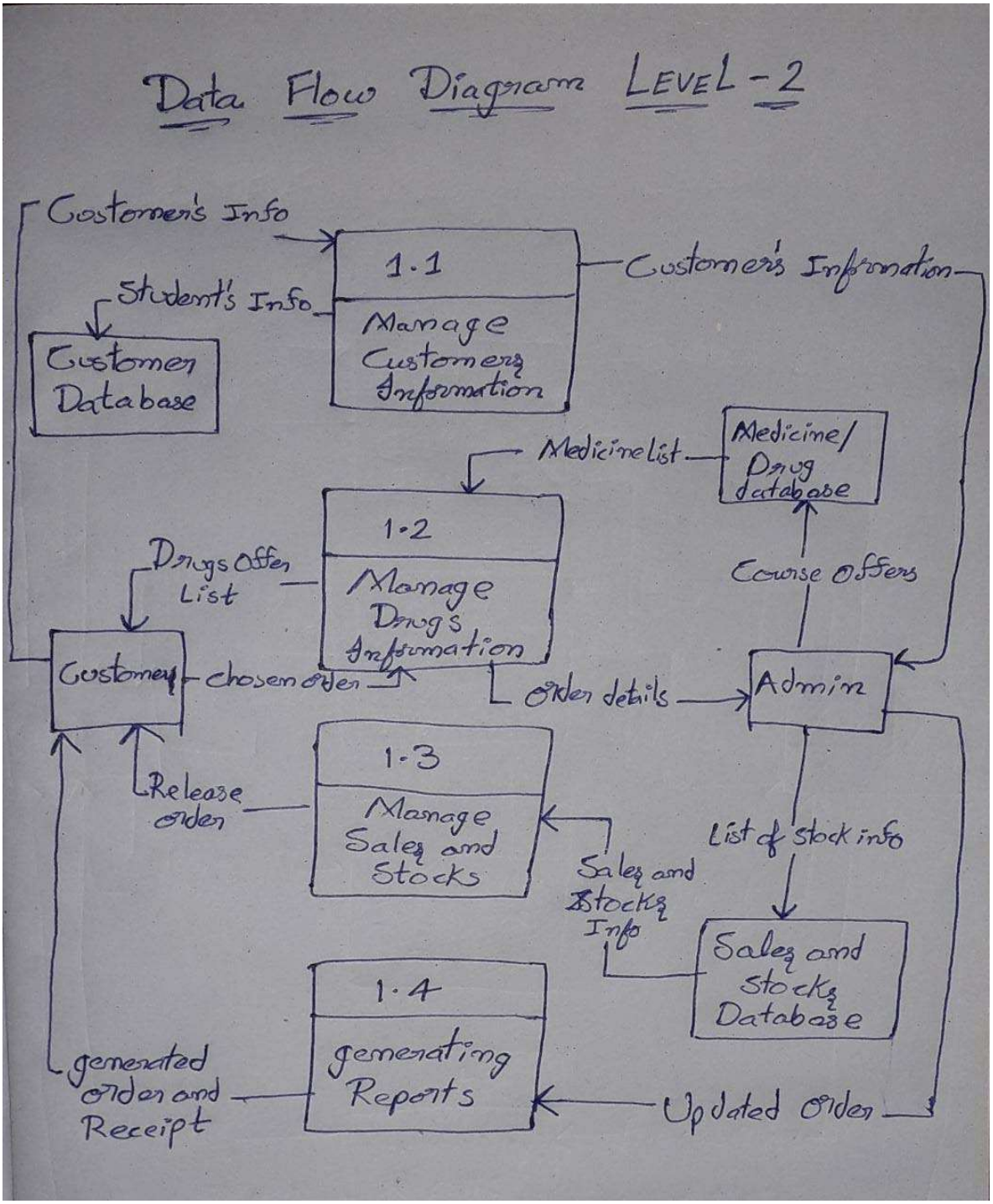
Data flow diagram level-0=



Data flow diagram level-1=

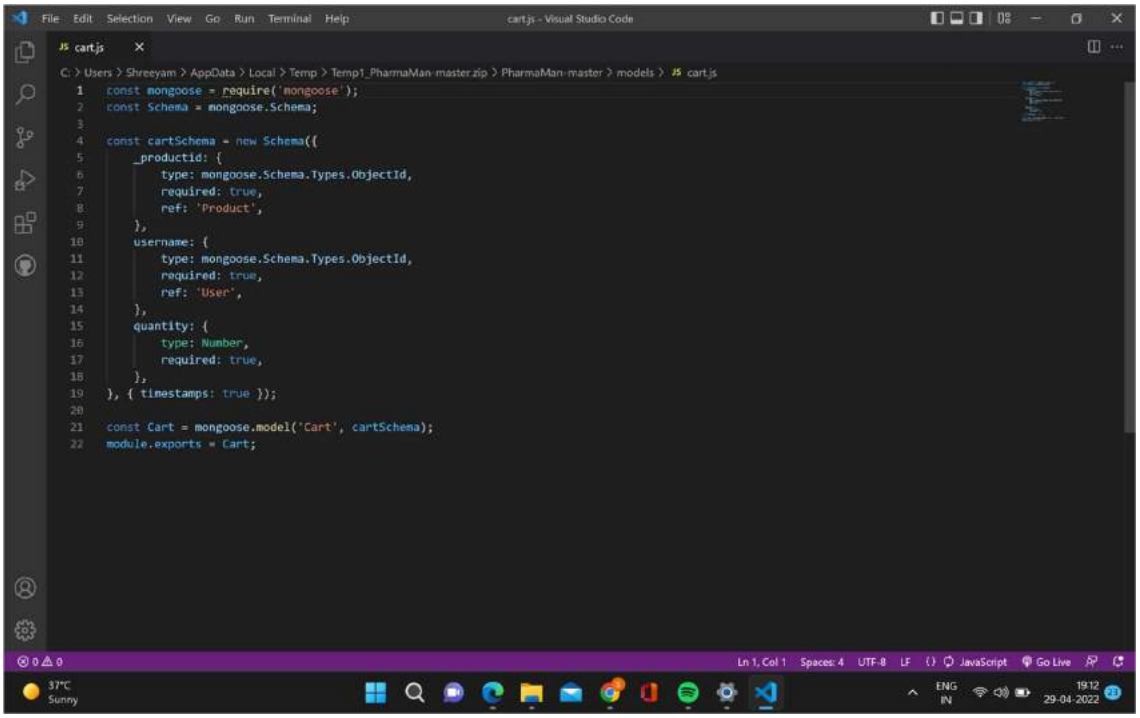


Data flow diagram level-2=

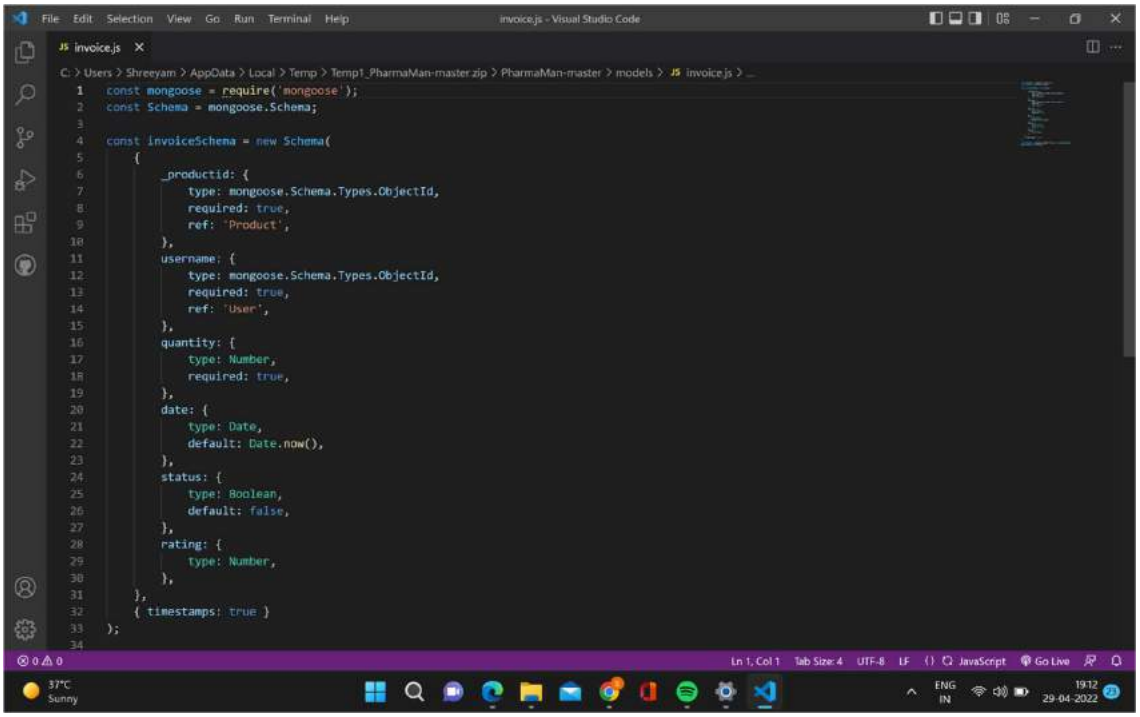


SCREENSHOTS OF CODE

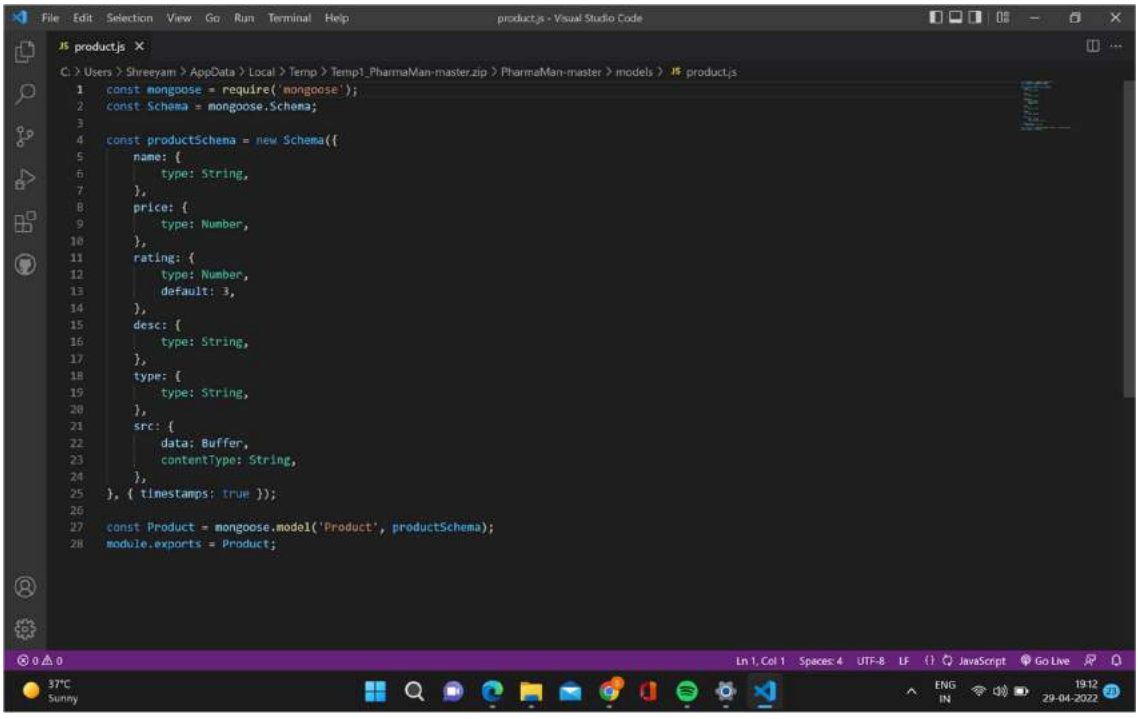
1.cart.js



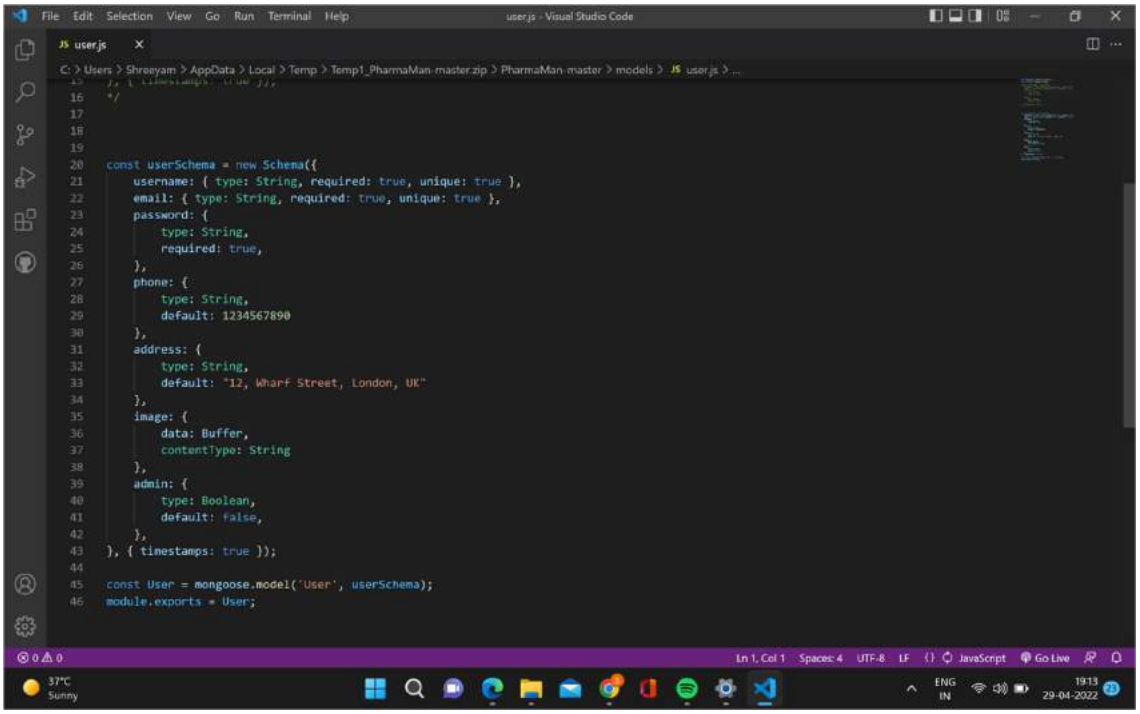
2.invoice.js



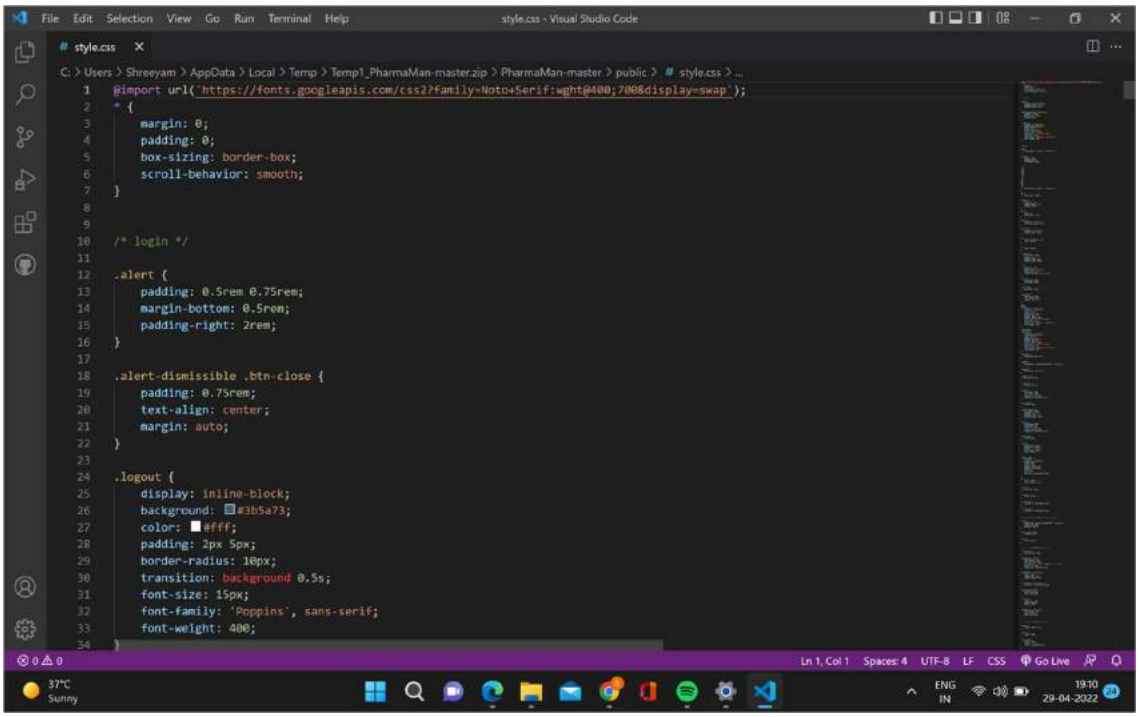
3.Product.js

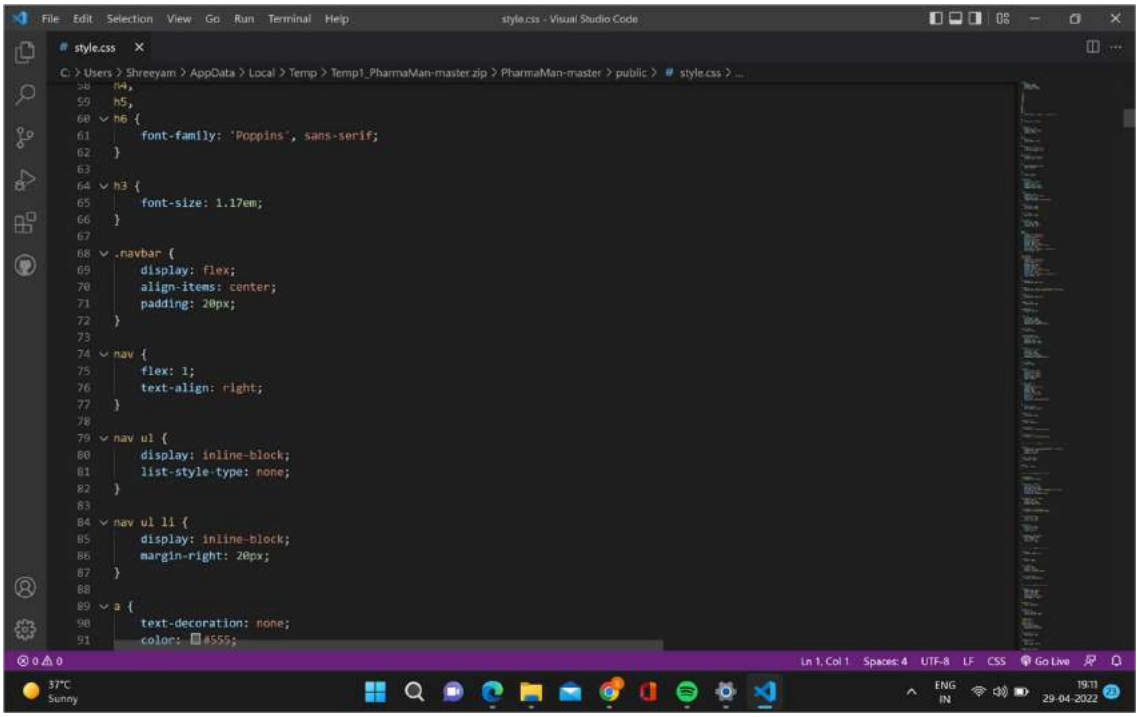


4. User.js

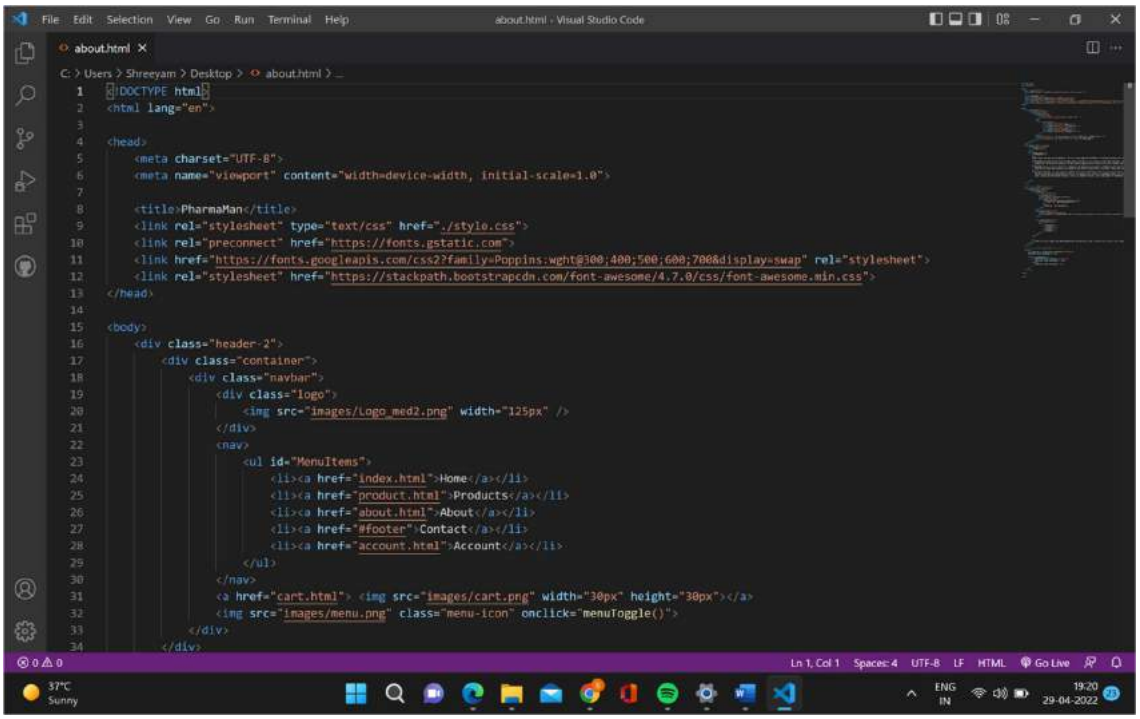

File Edit Selection View Go Run Terminal Help
user.js - Visual Studio Code
user.js
C: > Users > Shreeyam > AppData > Local > Temp > Temp1_PharmaMan-master.zip > PharmaMan-master > models > user.js > ...
*/
const userSchema = new Schema({
username: { type: String, required: true, unique: true },
email: { type: String, required: true, unique: true },
password: {
type: String,
required: true,
},
phone: {
type: String,
default: 1234567890
},
address: {
type: String,
default: "12, Wharf Street, London, UK"
},
image: {
data: Buffer,
contentType: String
},
admin: {
type: Boolean,
default: false,
},
}, { timestamps: true });
const User = mongoose.model('User', userSchema);
module.exports = User;
Ln 1, Col 1 Spaces: 4 UTF-8 LF JavaScript Go Live
37°C Sunny
ENG IN
19:13 29-04-2022

5. Style.css


File Edit Selection View Go Run Terminal Help
style.css - Visual Studio Code
style.css
C: > Users > Shreeyam > AppData > Local > Temp > Temp1_PharmaMan-master.zip > PharmaMan-master > public > style.css > ...
@import url('https://fonts.googleapis.com/css2?family=Noto+Serif:wght@400;700&display=swap');
* {
margin: 0;
padding: 0;
box-sizing: border-box;
scroll-behavior: smooth;
}
/* login */
.alert {
padding: 0.5rem 0.75rem;
margin-bottom: 0.5rem;
padding-right: 2rem;
}
.alert-dismissible .btn-close {
padding: 0.75rem;
text-align: center;
margin: auto;
}
.logout {
display: inline-block;
background: #3b5a73;
color: #fff;
padding: 2px 5px;
border-radius: 10px;
transition: background 0.5s;
font-size: 15px;
font-family: 'Poppins', sans-serif;
font-weight: 400;
}
Ln 1, Col 1 Spaces: 4 UTF-8 LF CSS Go Live
37°C Sunny
ENG IN
19:10 29-04-2022


style.css - Visual Studio Code
style.css
C: > Users > Shreeyam > AppData > Local > Temp > Temp1_PharmaMan-master.zip > PharmaMan-master > public > style.css > ...
h4,
h5,
h6 {
font-family: 'Poppins', sans-serif;
}
h3 {
font-size: 1.17em;
}
.navbar {
display: flex;
align-items: center;
padding: 20px;
}
nav {
flex: 1;
text-align: right;
}
nav ul {
display: inline-block;
list-style-type: none;
}
nav ul li {
display: inline-block;
margin-right: 20px;
}
a {
text-decoration: none;
color: #555;

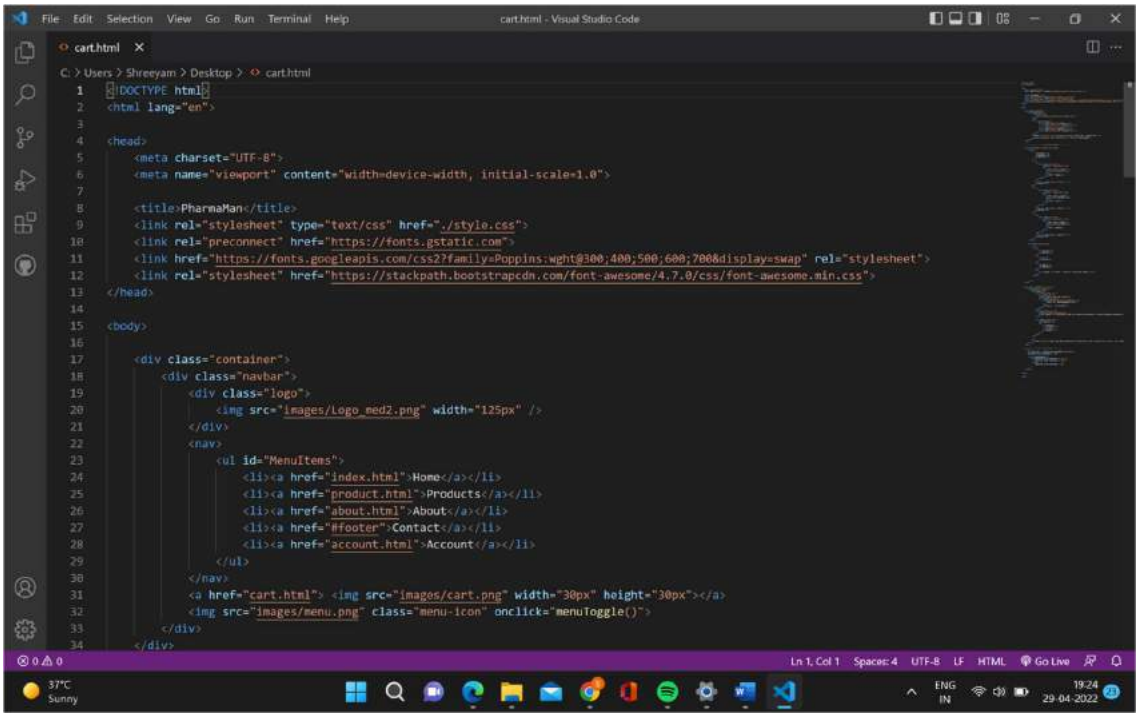
6. about.html


about.html - Visual Studio Code
about.html
C: > Users > Shreeyam > Desktop > about.html > ...
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>PharmaMan</title>
<link rel="stylesheet" type="text/css" href="./style.css">
<link rel="preconnect" href="https://fonts.gstatic.com">
<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
</head>
<body>

<img src="images/Logo_med2.png" width="125px" />

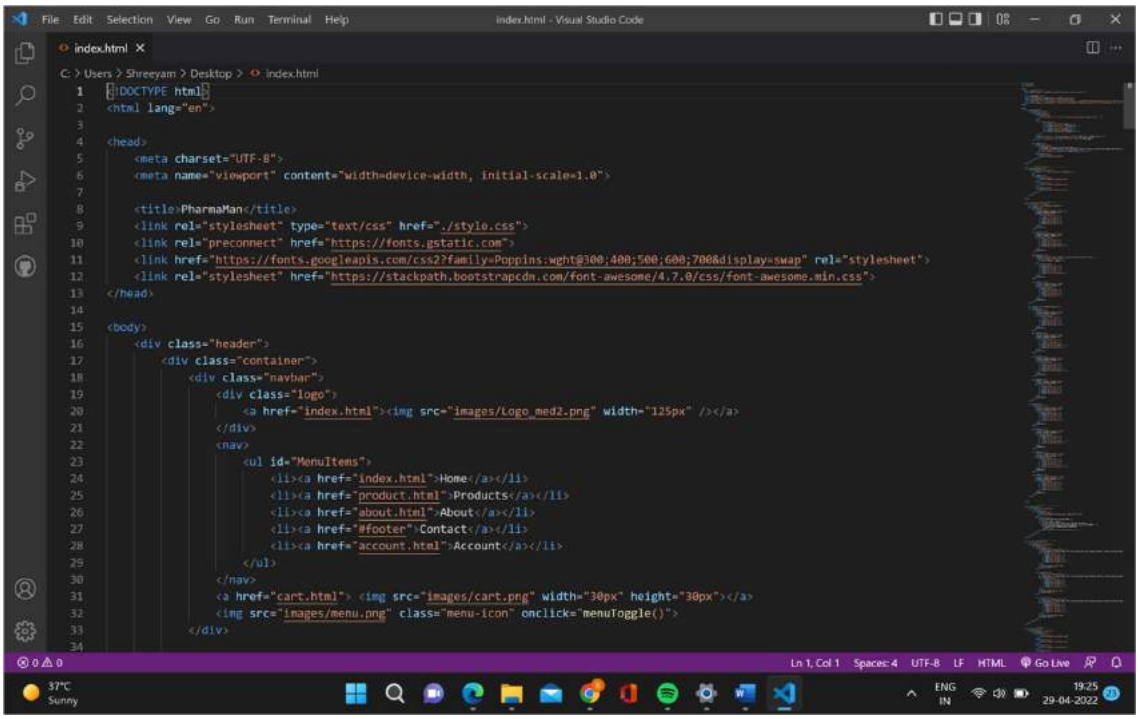
<nav>
<ul id="MenuItems">
<li><a href="index.html">Home</a></li>
<li><a href="product.html">Products</a></li>
<li><a href="about.html">About</a></li>
<li><a href="#footer">Contact</a></li>
<li><a href="account.html">Account</a></li>
</ul>
</nav>
<a href="cart.html"> <img src="images/cart.png" width="30px" height="30px"></a>
<img src="images/menu.png" class="menu-icon" onclick="menuToggle()">

7. cart.html



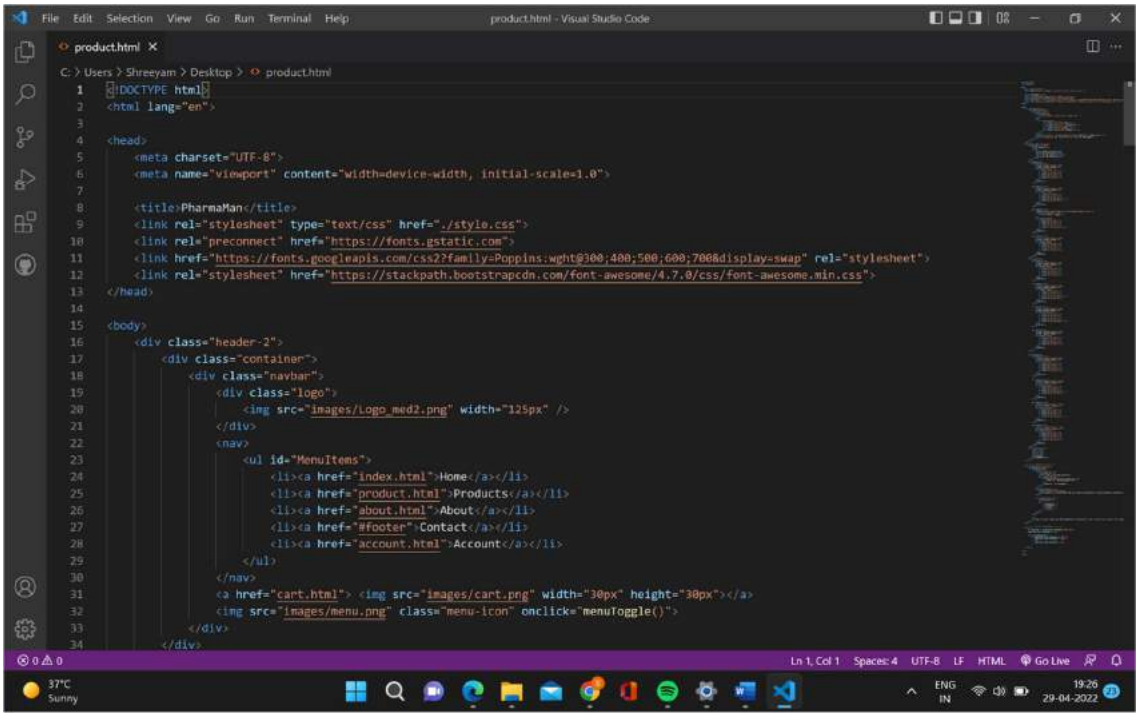
```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>PharmaMan</title>
    <link rel="stylesheet" type="text/css" href="./style.css">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap" rel="stylesheet">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
</head>

<body>

    <div class="container">
        <div class="navbar">
            <div class="logo">
                <img src="images/Logo_med2.png" width="125px" />
            </div>
            <nav>
                <ul id="MenuItems">
                    <li><a href="index.html">Home</a></li>
                    <li><a href="product.html">Products</a></li>
                    <li><a href="about.html">About</a></li>
                    <li><a href="#footer">Contact</a></li>
                    <li><a href="account.html">Account</a></li>
                </ul>
            </nav>
            <a href="cart.html"> <img src="images/cart.png" width="30px" height="30px"></a>
            <img src="images/menu.png" class="menu-icon" onclick="menuToggle()">
        </div>
    </div>
```

8.index.html

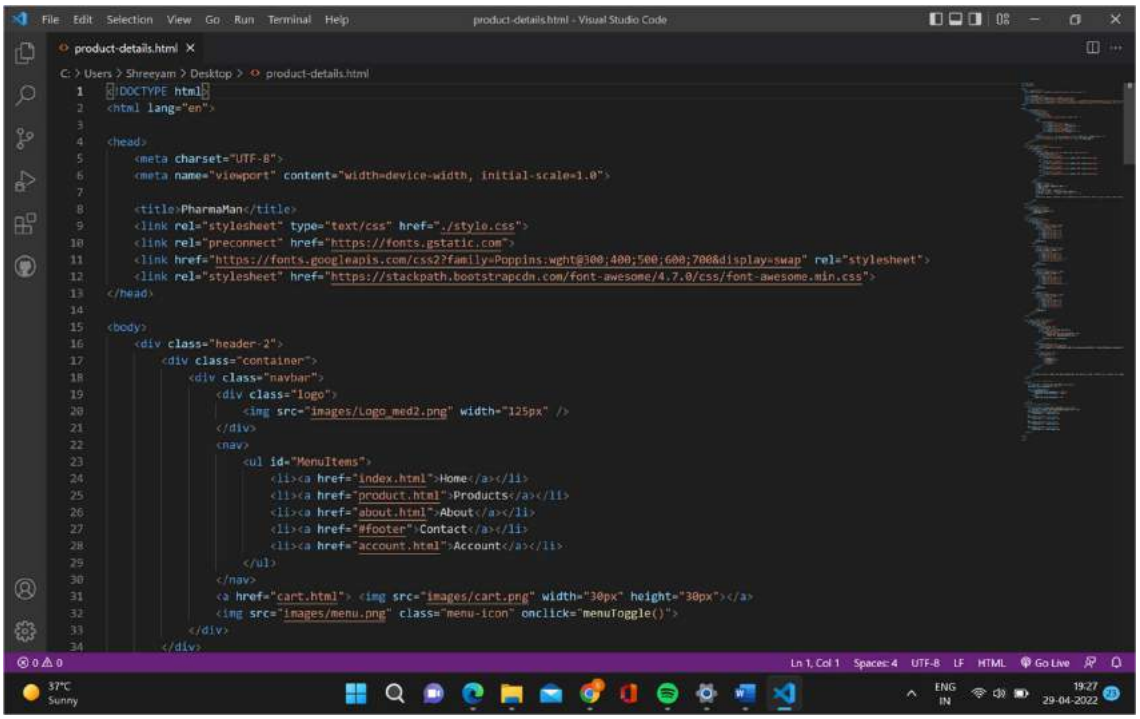


```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>PharmaMan</title>
    <link rel="stylesheet" type="text/css" href="./style.css">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap" rel="stylesheet">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
</head>

<body>
    <div class="header">
        <div class="container">
            <div class="navbar">
                <div class="logo">
                    <a href="index.html"><img src="images/Logo_med2.png" width="125px" /></a>
                </div>
                <nav>
                    <ul id="MenuItems">
                        <li><a href="index.html">Home</a></li>
                        <li><a href="product.html">Products</a></li>
                        <li><a href="about.html">About</a></li>
                        <li><a href="#footer">Contact</a></li>
                        <li><a href="account.html">Account</a></li>
                    </ul>
                </nav>
                <a href="cart.html"> <img src="images/cart.png" width="30px" height="30px"></a>
                <img src="images/menu.png" class="menu-icon" onclick="menuToggle()">
            </div>
```

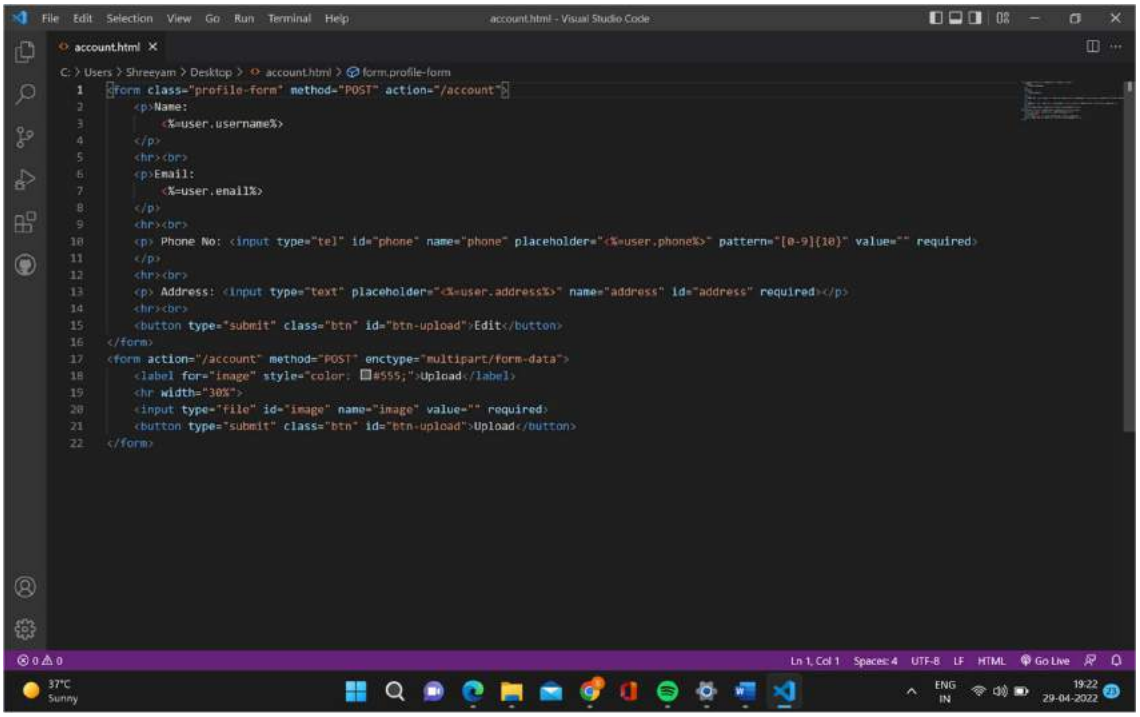
9.product html



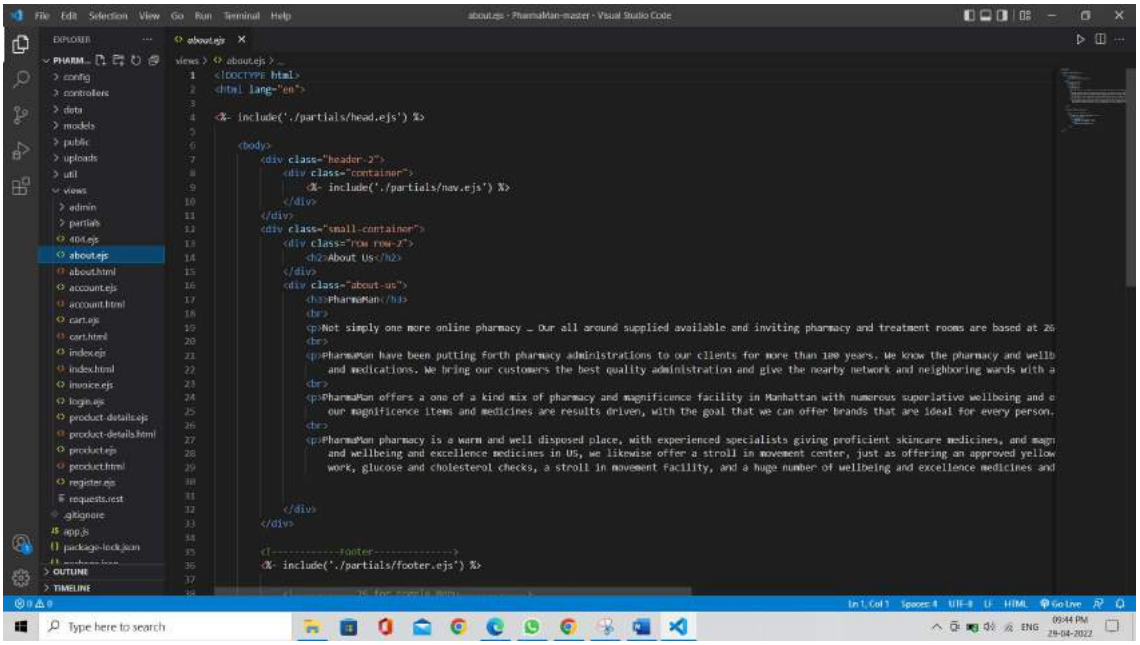
10.product_details.html



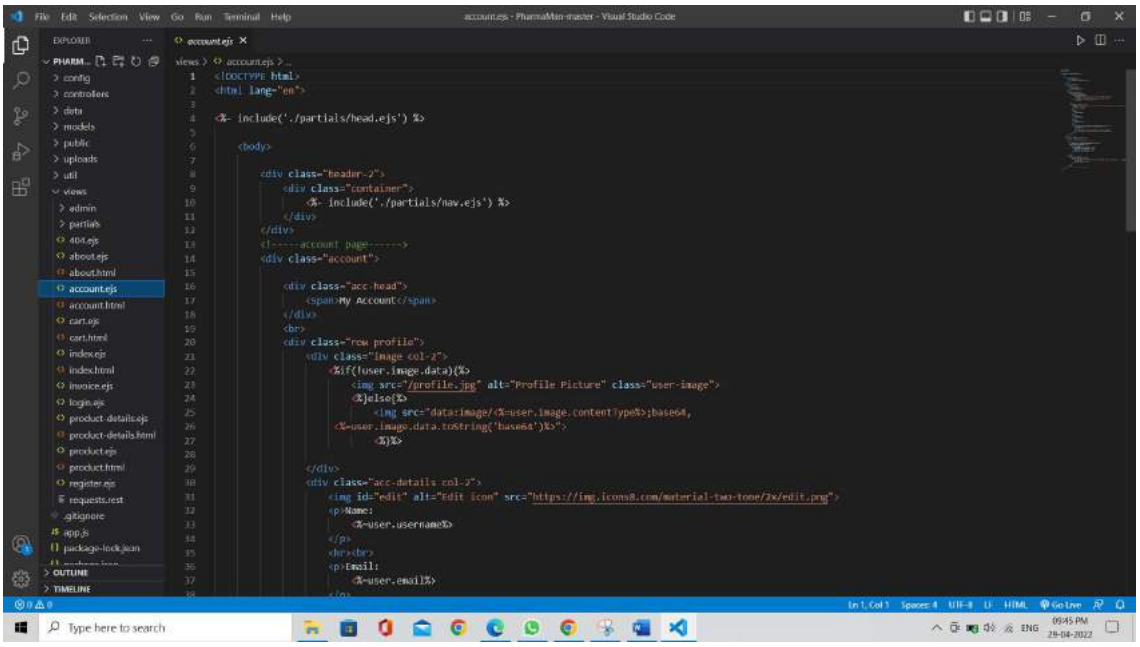
11. account.html



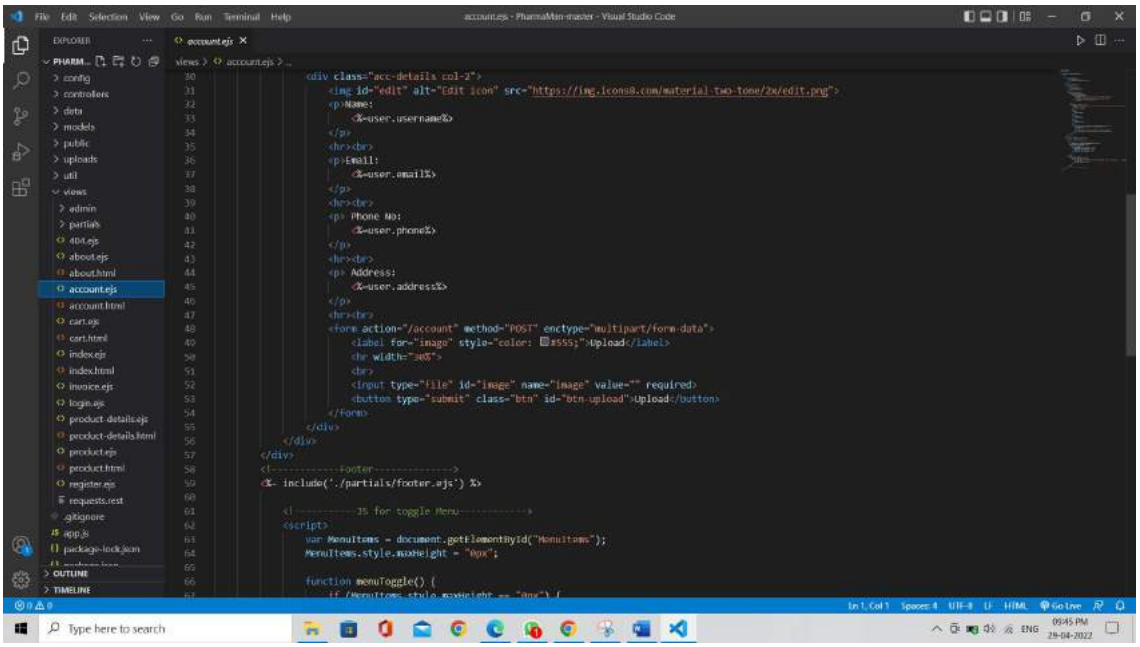
12.about.ejs



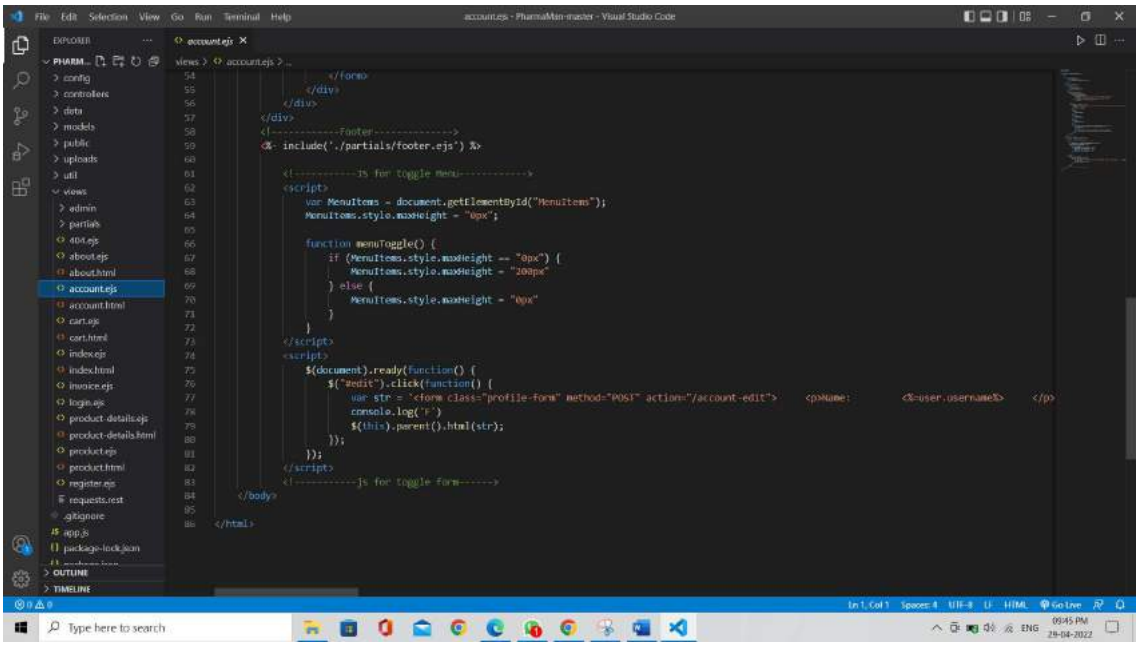
13.account.ejs



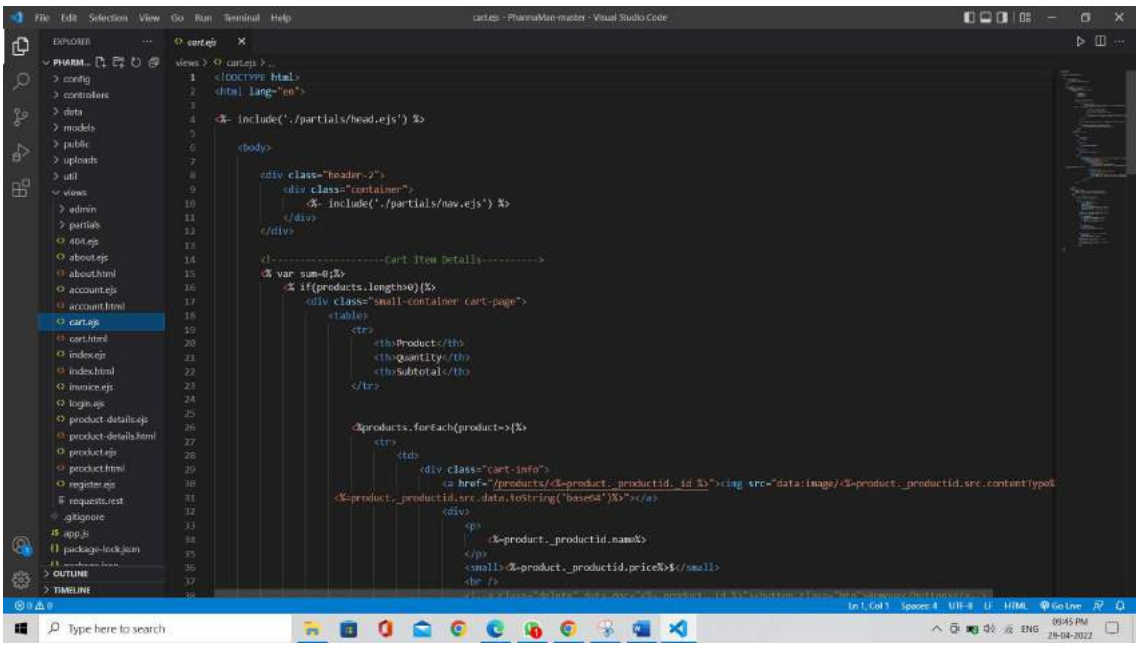
```ejs
<!DOCTYPE html>
<html lang="en">

<%- include('./partials/head.ejs') %>

    <body>

        <div class="header-2">
            <div class="container">
                <%- include('./partials/nav.ejs') %>
            </div>
        </div>
        <!-----account page------>
        <div class="account">

            <div class="acc-head">
                <span>My Account</span>
            </div>
            <br>
            <div class="row profile">
                <div class="image col-2">
                    <%if(!user.image.data){%>
                        <img src="/profile.jpg" alt="Profile Picture" class="user-image">
                        <%}else{%>
                            <img src="data:image/<%=user.image.contentType%>base64,
                    <%=user.image.data.toString('base64')%>">
                            <%}%>

                </div>
                <div class="acc-details col-2">
                    <img id="edit" alt="Edit Icon" src="https://img.icons8.com/material-two-tone/2x/edit.png">
                    <p>Name:
                        <%=user.username%>
                    </p>
                    <hr><br>
                    <p>Email:
                        <%=user.email%>
```

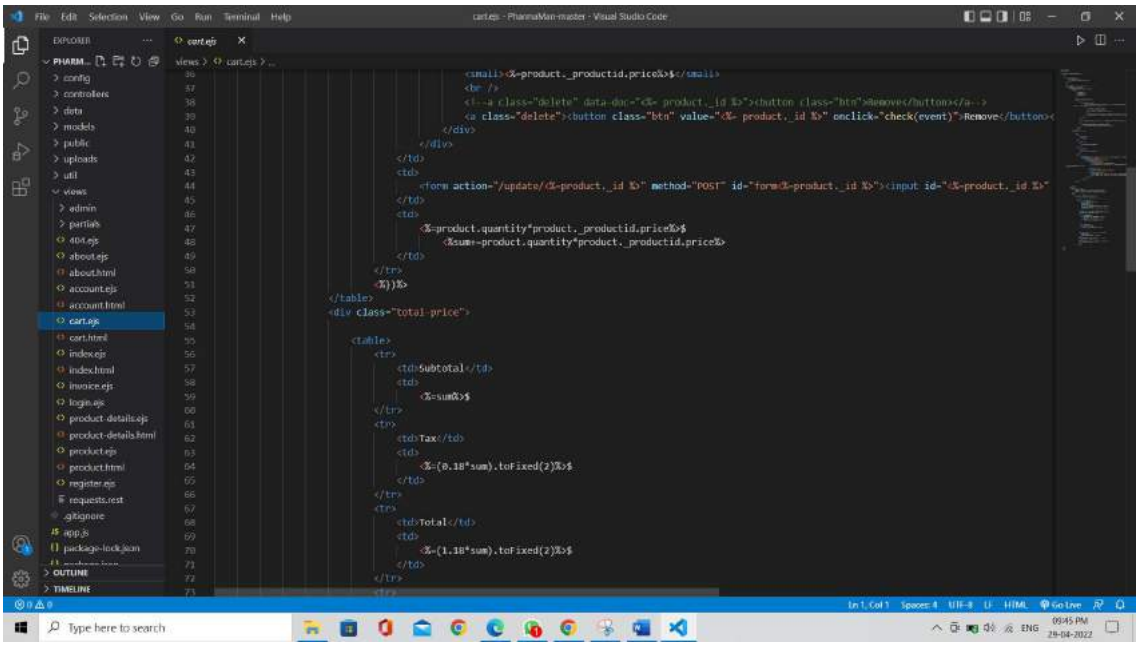


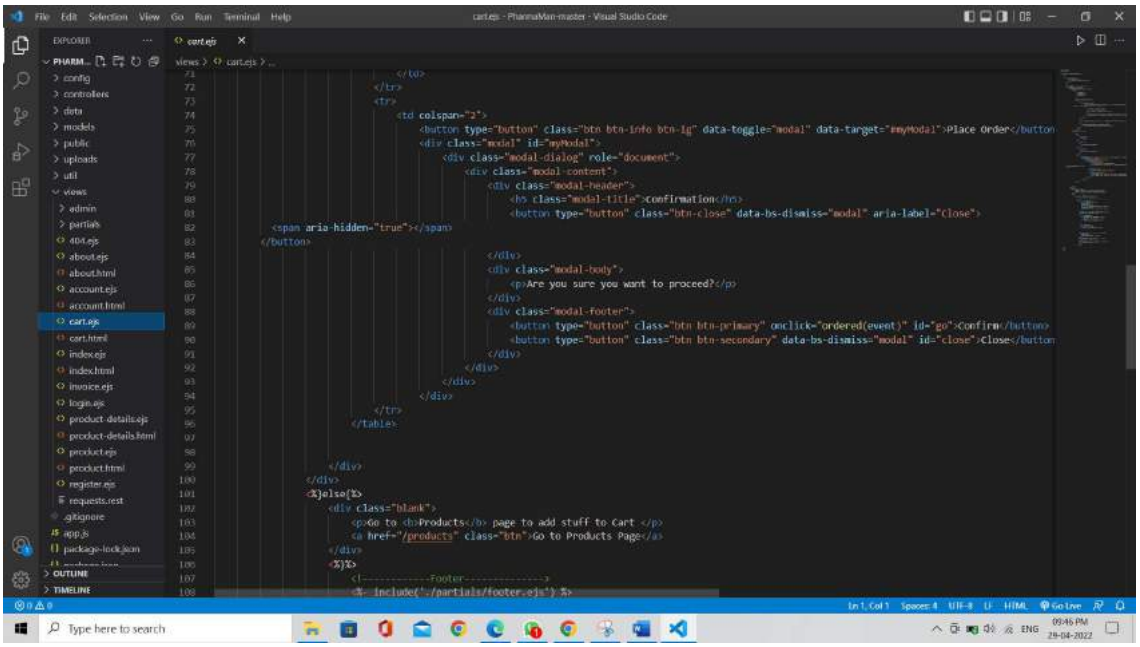
```ejs
                    <p>Email:
                        <%=user.email%>
                    </p>
                    <hr><br>
                    <p> Phone No:
                        <%=user.phone%>
                    </p>
                    <hr><br>
                    <p> Address:
                        <%=user.address%>
                    </p>
                    <hr><br>
                    <form action="/account" method="POST" enctype="multipart/form-data">
                        <label for="image" style="color: #555;">Upload</label>
                        <br width="20%">
                        <br>
                        <input type="file" id="image" name="image" value="" required>
                        <button type="submit" class="btn" id="btn-upload">Upload</button>
                    </form>
                </div>
            </div>
        </div>
        <!-----------Footer------------>
        <%- include('./partials/footer.ejs') %>

            <!-----------JS for toggle Menu------------>
            <script>
                var MenuItems = document.getElementById("MenuItems");
                MenuItems.style.maxHeight = "0px";

                function menuToggle() {
                    if (MenuItems.style.maxHeight == "0px") {
```

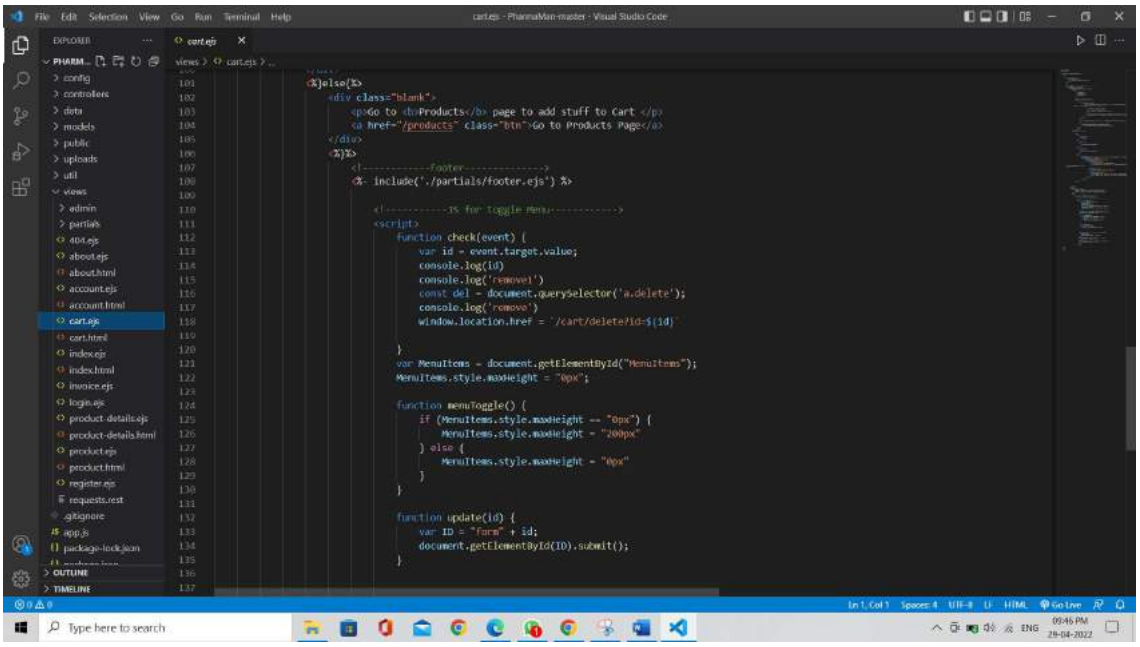


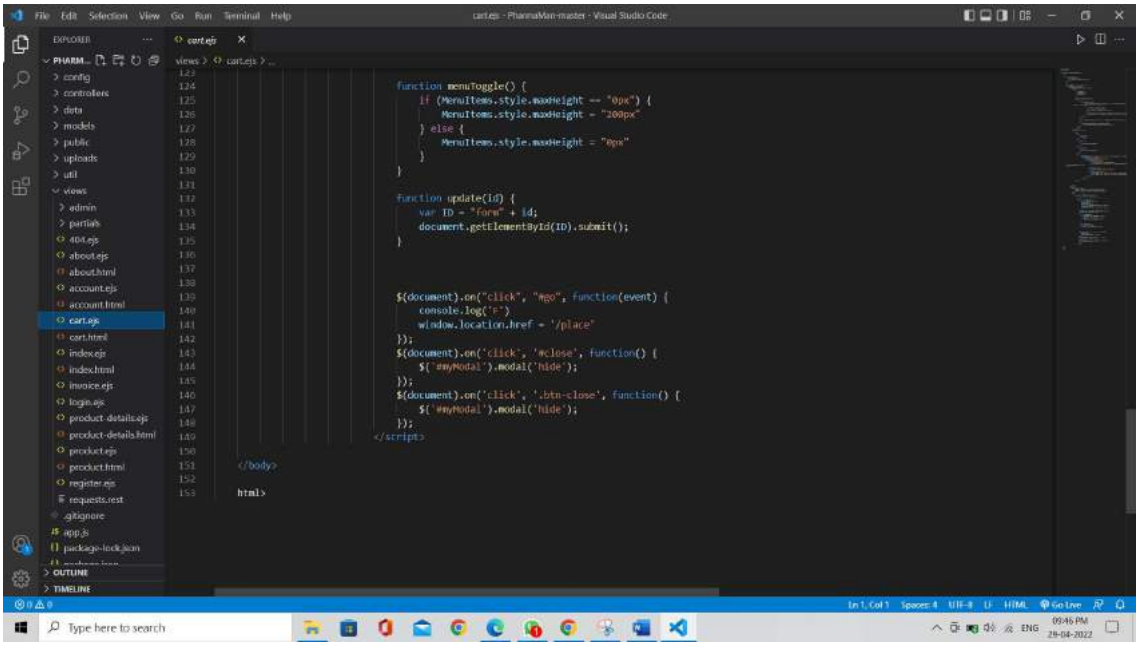
14.cart.ejs



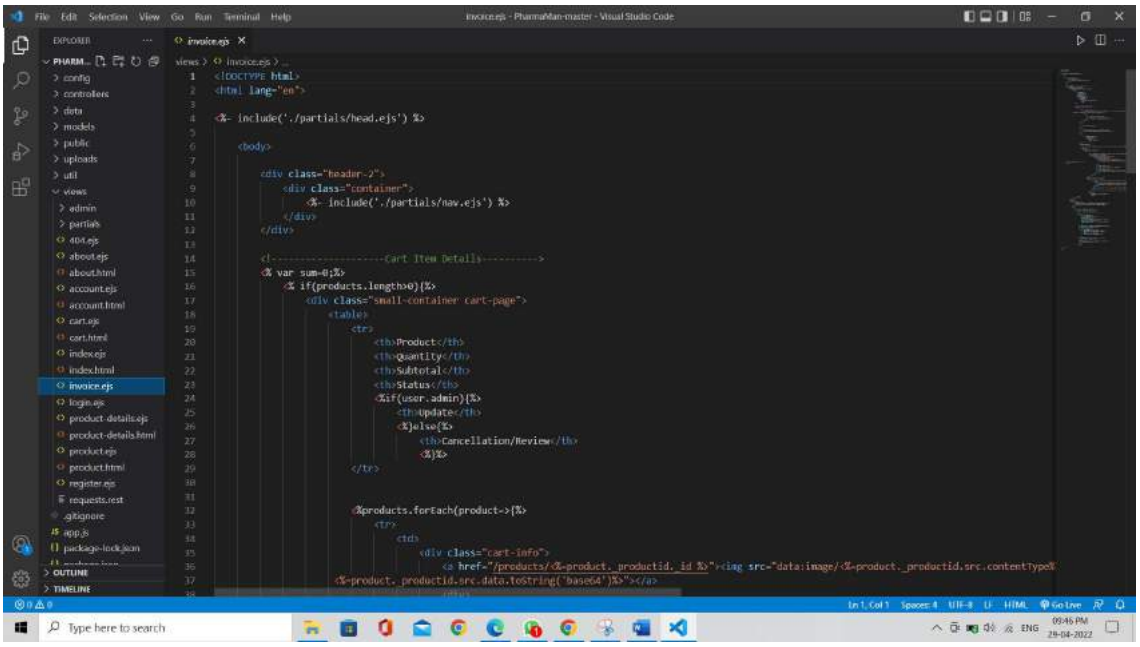


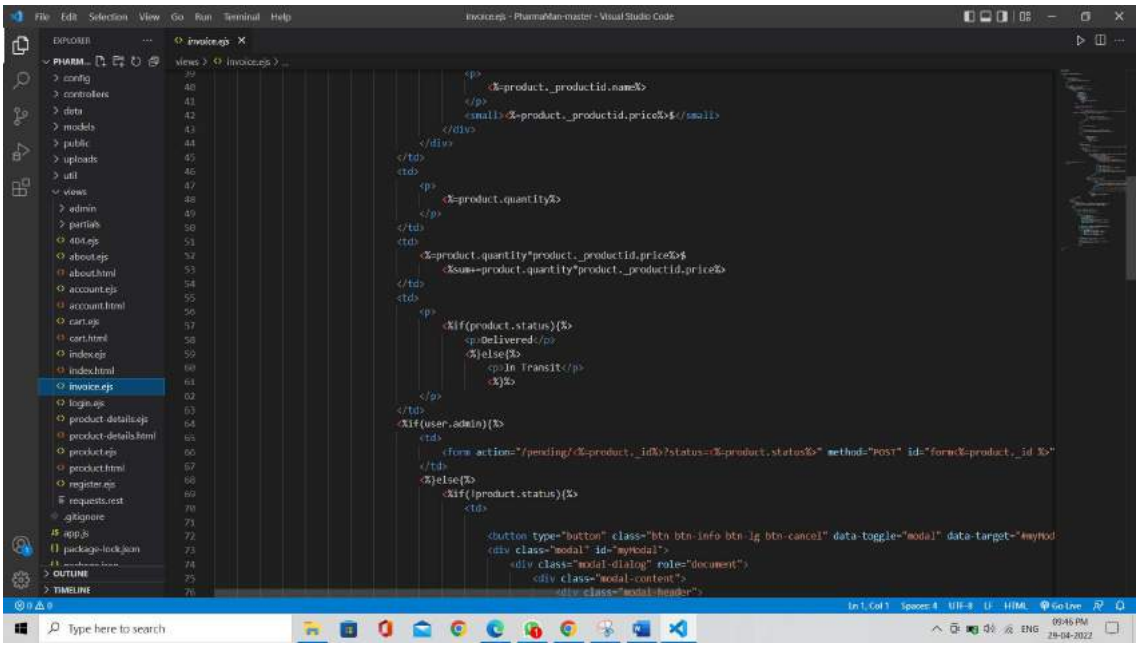




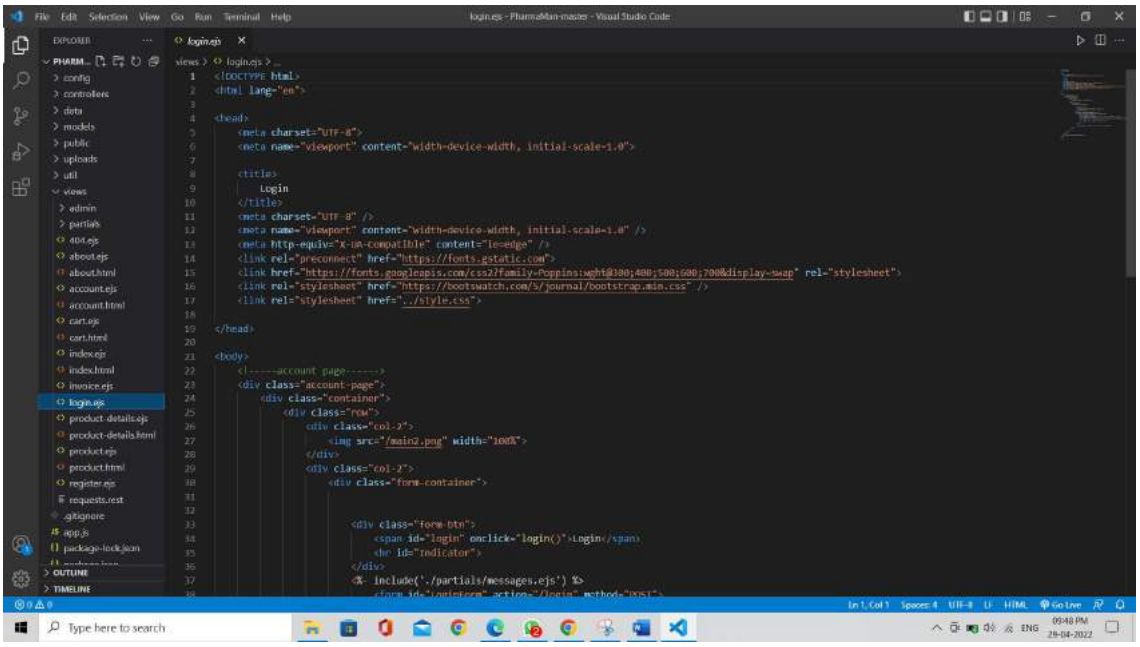


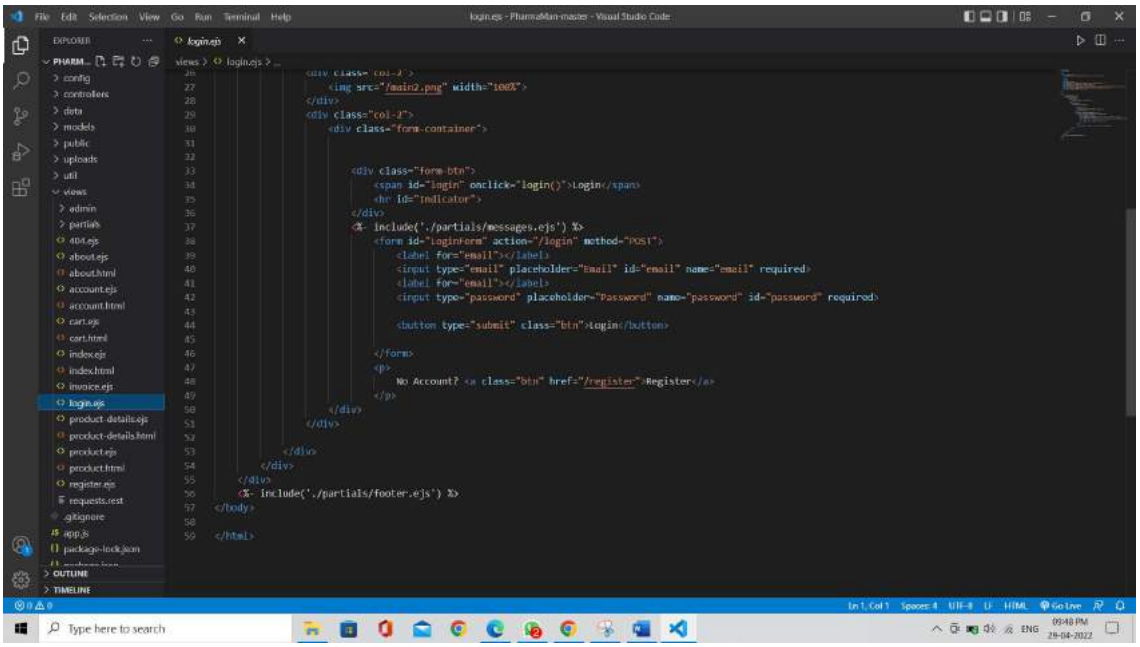
15.invoice.ejs



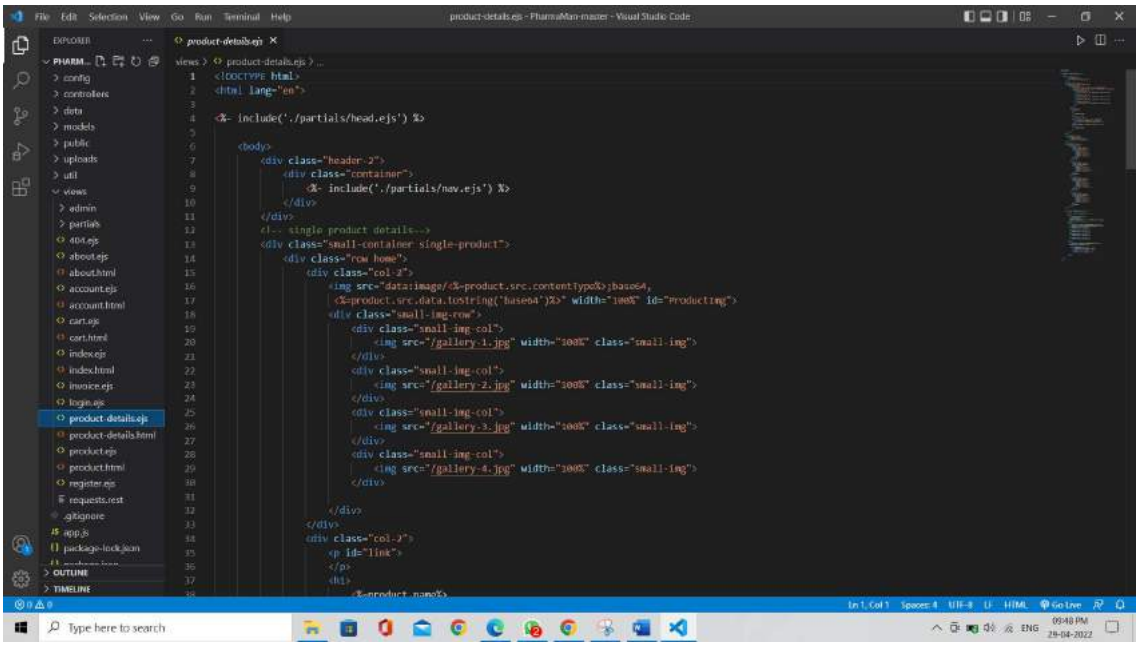


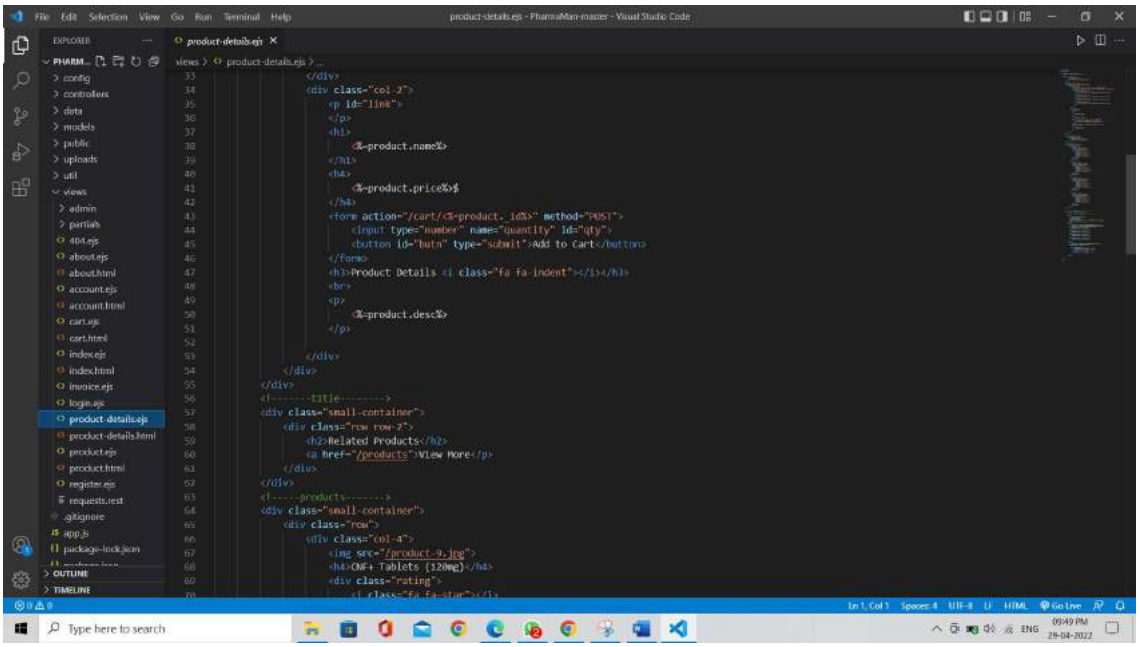
16.login.ejs



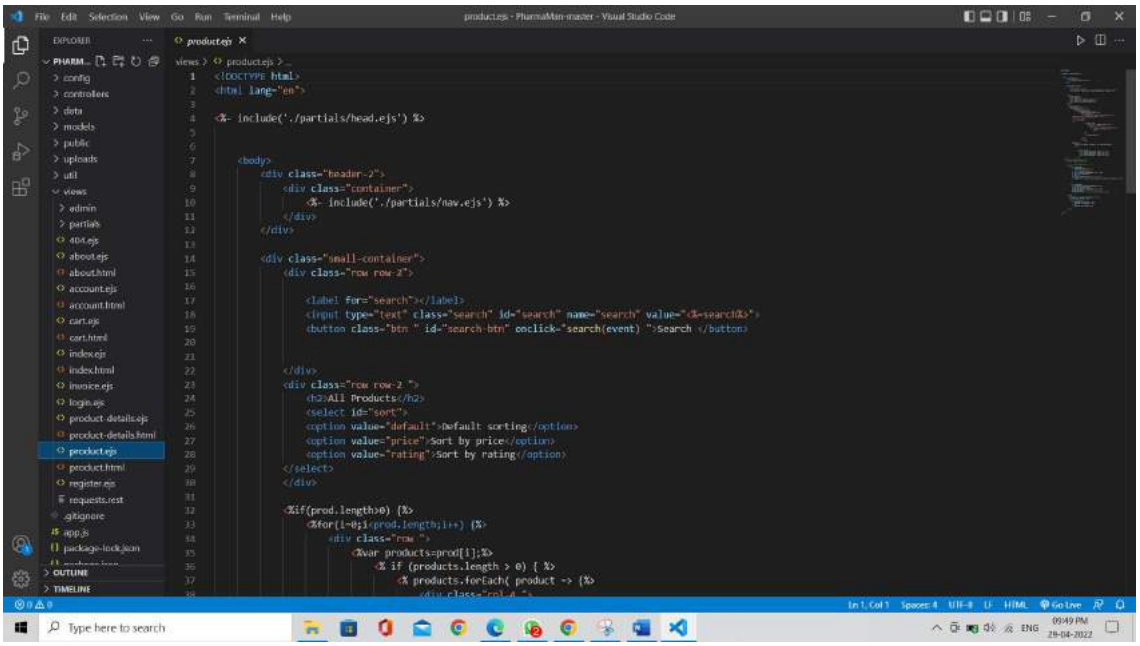


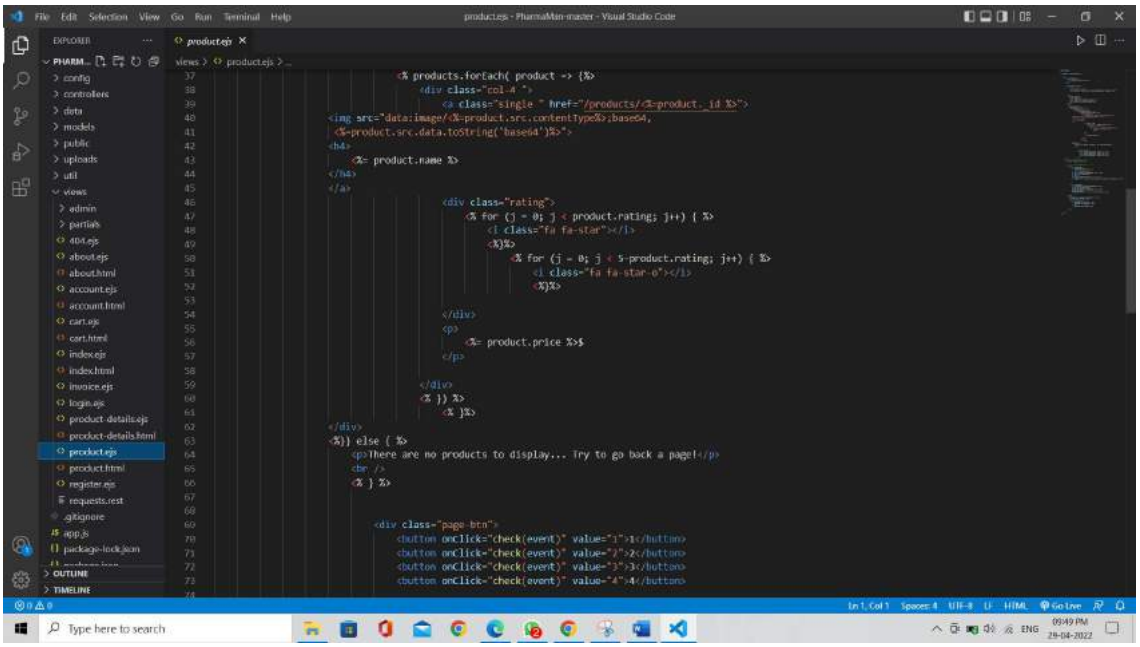
17.product-details.ejs



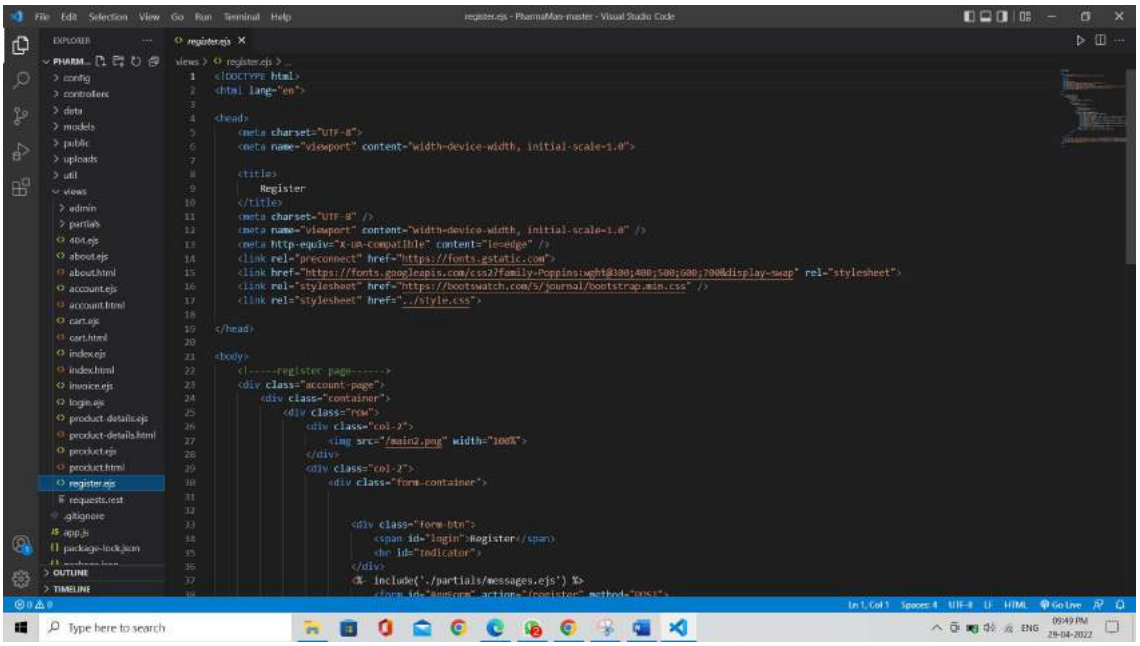


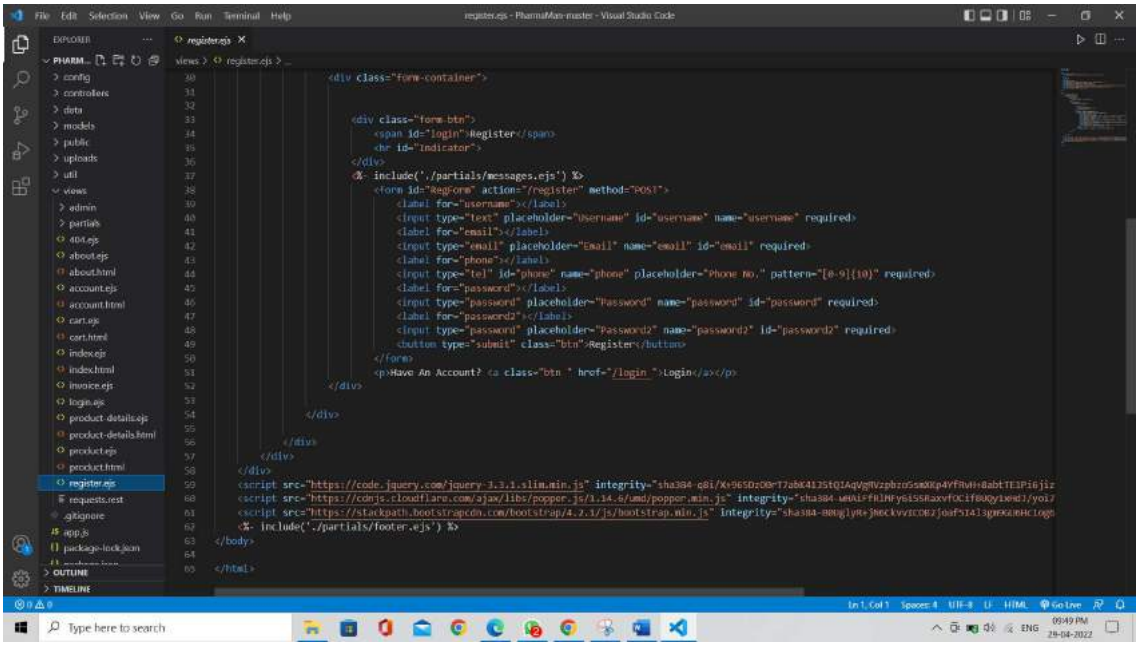
18.product.ejs



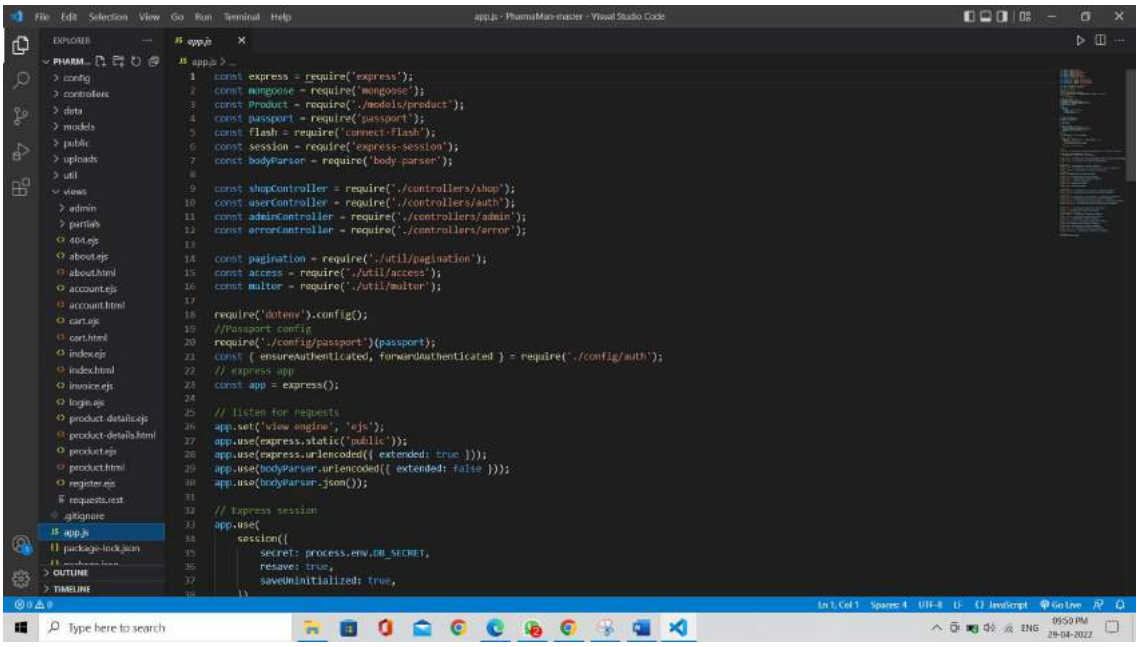


19.register.ejs

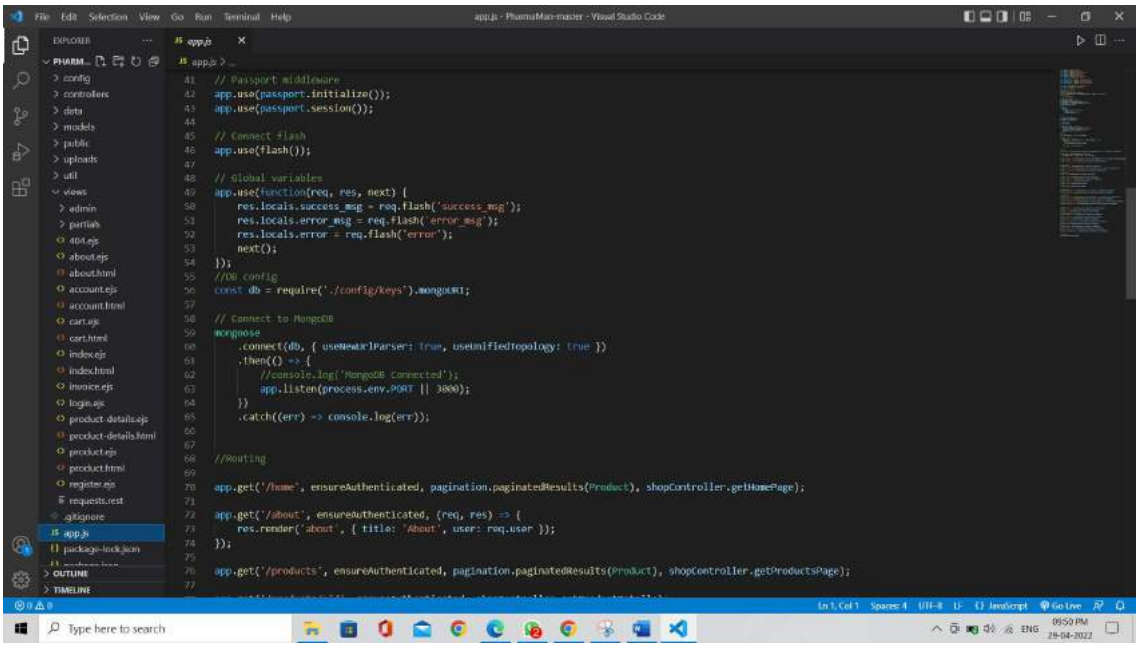




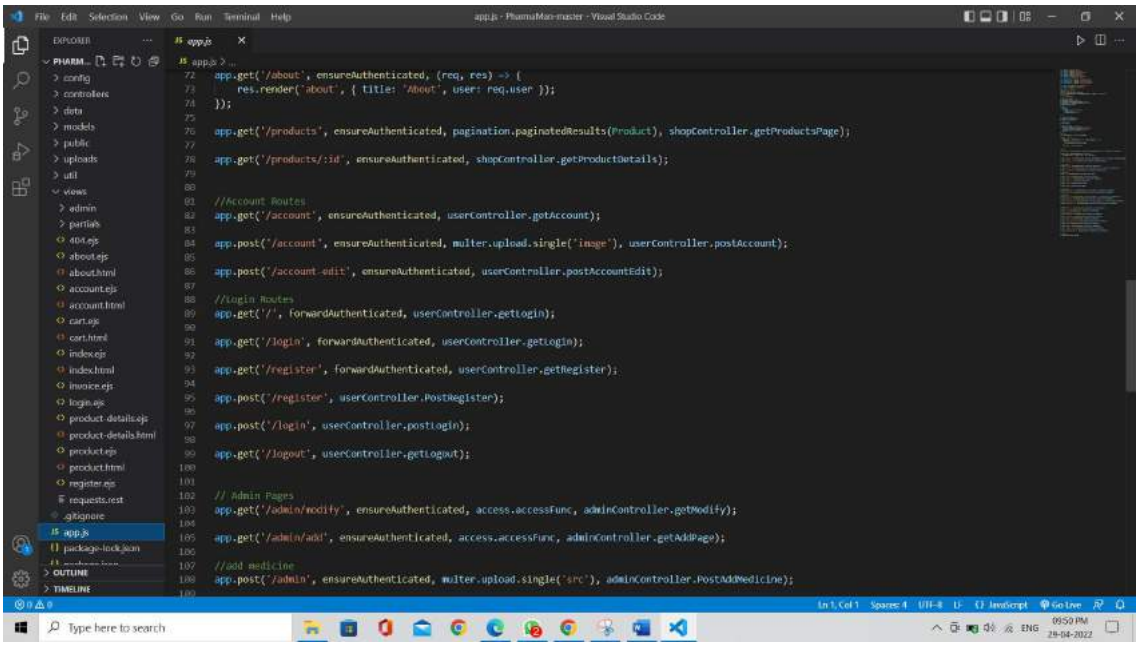
20.app.js



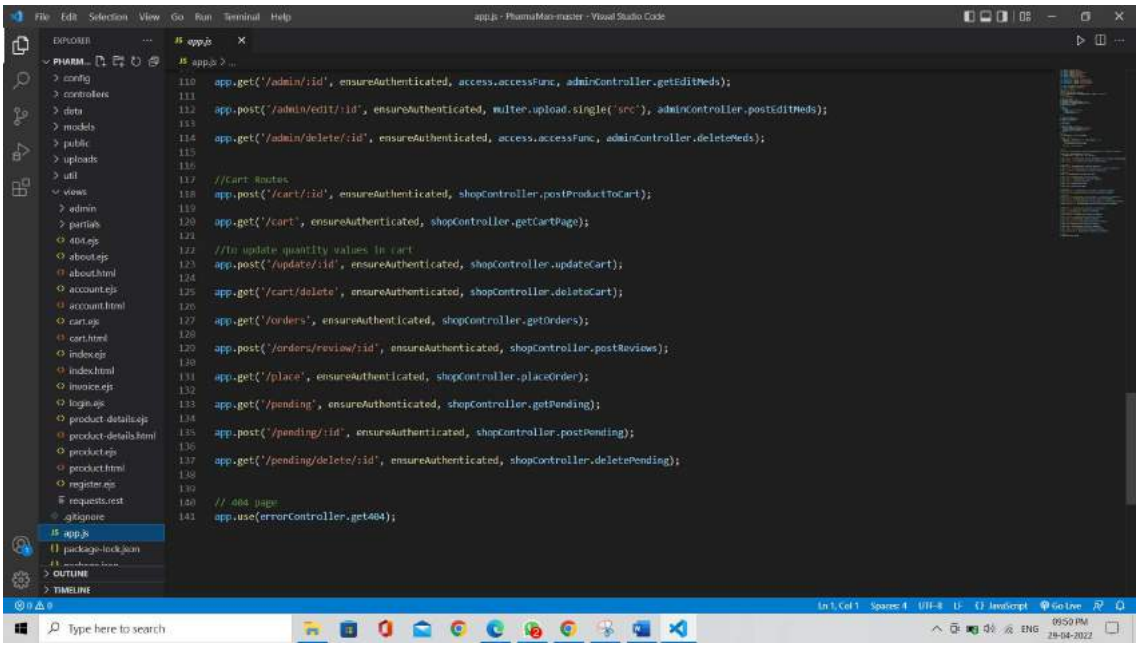
```
const express = require('express');
const mongoose = require('mongoose');
const Product = require('./models/product');
const passport = require('passport');
const flash = require('connect-flash');
const session = require('express-session');
const bodyParser = require('body-parser');

const shopController = require('./controllers/shop');
const userController = require('./controllers/auth');
const adminController = require('./controllers/admin');
const errorController = require('./controllers/error');

const pagination = require('./util/pagination');
const access = require('./util/access');
const multer = require('./util/multer');

require('dotenv').config();
//Passport config
require('./config/passport')(passport);
const { ensureAuthenticated, forwardAuthenticated } = require('./config/auth');
// express app
const app = express();

// listen for requests
app.set('view engine', 'ejs');
app.use(express.static('public'));
app.use(express.urlencoded({ extended: true }));
app.use(bodyParser.urlencoded({ extended: false }));
app.use(bodyParser.json());

// Express session
app.use(
    session({
        secret: process.env.DB_SECRET,
        resave: true,
        saveUninitialized: true,
    })
```



```
// Passport middleware
app.use(passport.initialize());
app.use(passport.session());

// Connect flash
app.use(flash());

// Global variables
app.use(function(req, res, next) {
    res.locals.success_msg = req.flash('success_msg');
    res.locals.error_msg = req.flash('error_msg');
    res.locals.error = req.flash('error');
    next();
});
//DB config
const db = require('./config/keys').mongoURI;

// Connect to MongoDB
mongoose
    .connect(db, { useNewUrlParser: true, useUnifiedTopology: true })
    .then(() => {
        //console.log('MongoDB Connected');
        app.listen(process.env.PORT || 3000);
    })
    .catch((err) => console.log(err));


//Routing

app.get('/home', ensureAuthenticated, pagination.paginatedResults(Product), shopController.getHomePage);

app.get('/about', ensureAuthenticated, (req, res) => {
    res.render('about', { title: 'About', user: req.user });
});

app.get('/products', ensureAuthenticated, pagination.paginatedResults(Product), shopController.getProductsPage);
```



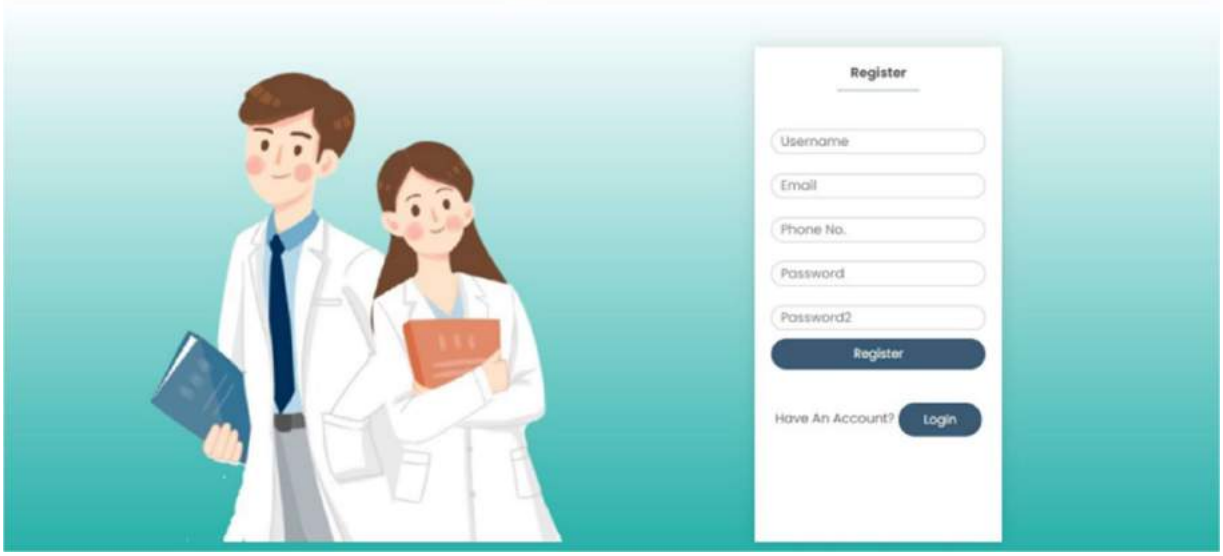
```
app.get('/about', ensureAuthenticated, (req, res) => {
    res.render('about', { title: 'About', user: req.user });
});

app.get('/products', ensureAuthenticated, pagination.paginatedResults(Product), shopController.getProductsPage);

app.get('/products/:id', ensureAuthenticated, shopController.getProductDetails);


//Account Routes
app.get('/account', ensureAuthenticated, userController.getAccount);

app.post('/account', ensureAuthenticated, multer.upload.single('image'), userController.postAccount);

app.post('/account-edit', ensureAuthenticated, userController.postAccountEdit);

//Login Routes
app.get('/', forwardAuthenticated, userController.getlogin);

app.get('/login', forwardAuthenticated, userController.getlogin);

app.get('/register', forwardAuthenticated, userController.getRegister);

app.post('/register', userController.PostRegister);

app.post('/login', userController.postlogin);

app.get('/logout', userController.getLogout);


// Admin Pages
app.get('/admin/modify', ensureAuthenticated, access.accessFunc, adminController.getModify);

app.get('/admin/add', ensureAuthenticated, access.accessFunc, adminController.getAddPage);

//add medicine
app.post('/admin', ensureAuthenticated, multer.upload.single('src'), adminController.PostAddMedicine);
```



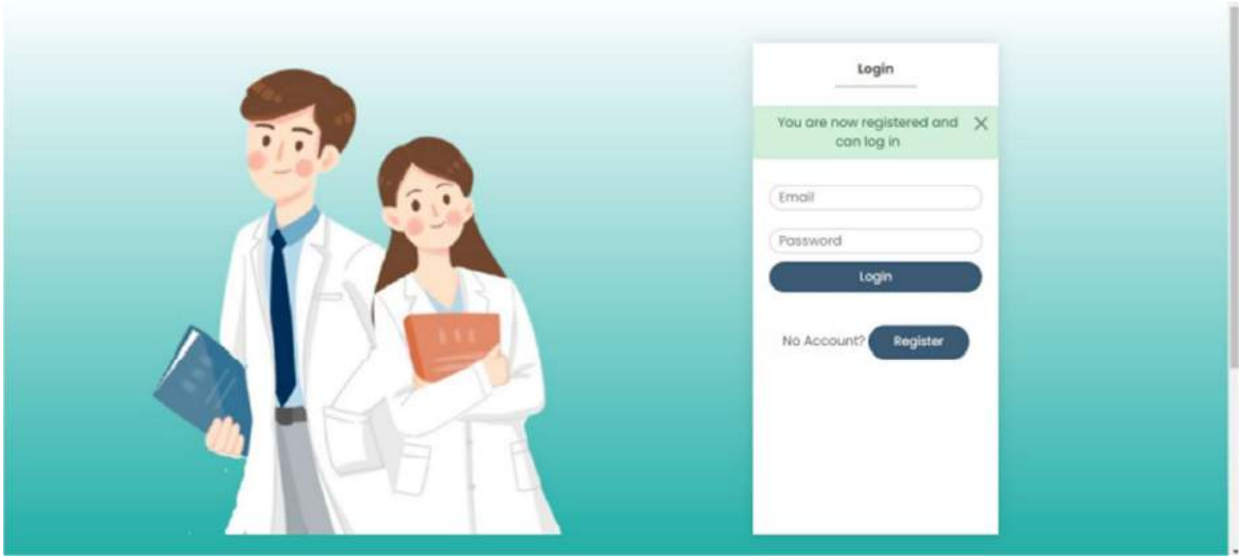
```
app.get('/admin/:id', ensureAuthenticated, access.accessFunc, adminController.getEditMeds);

app.post('/admin/edit/:id', ensureAuthenticated, multer.upload.single('src'), adminController.postEditMeds);

app.get('/admin/delete/:id', ensureAuthenticated, access.accessFunc, adminController.deleteMeds);


//Cart Routes
app.post('/cart/:id', ensureAuthenticated, shopController.postProductToCart);

app.get('/cart', ensureAuthenticated, shopController.getCartPage);

//To update quantity values in cart
app.post('/update/:id', ensureAuthenticated, shopController.updateCart);

app.get('/cart/delete', ensureAuthenticated, shopController.deleteCart);

app.get('/orders', ensureAuthenticated, shopController.getOrders);

app.post('/orders/review/:id', ensureAuthenticated, shopController.postReviews);

app.get('/place', ensureAuthenticated, shopController.placeOrder);

app.get('/pending', ensureAuthonticated, shopController.getPending);

app.post('/pending/:id', ensureAuthenticated, shopController.postPending);

app.get('/pending/delete/:id', ensureAuthenticated, shopController.deletePending);


// 404 page
app.use(errorController.get404);
```

IMPLEMENTATION

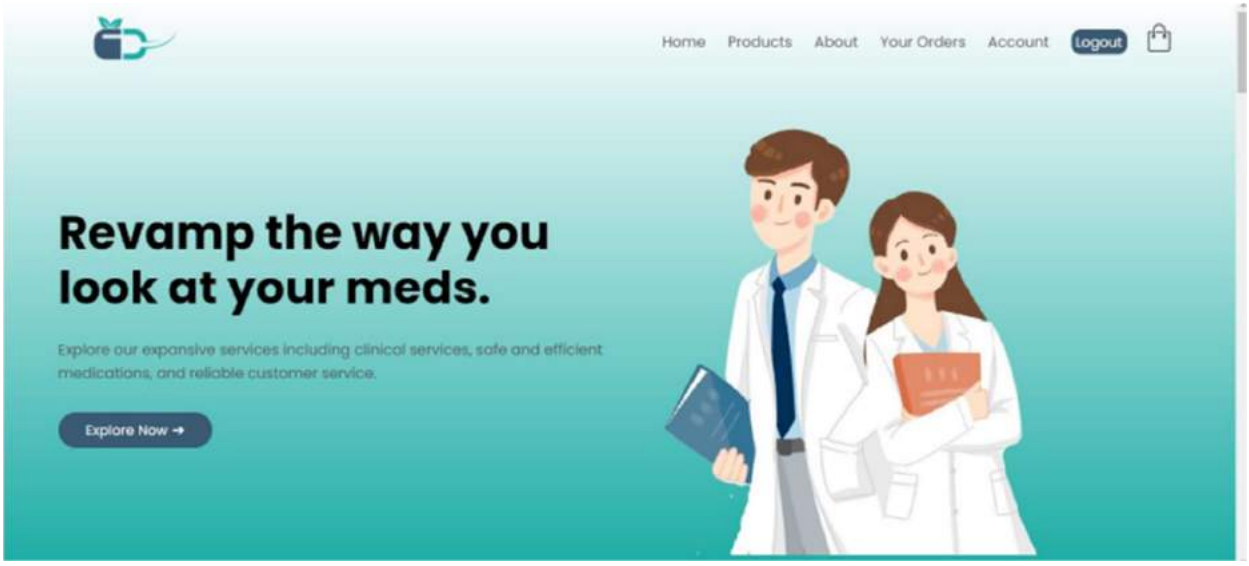
Register:



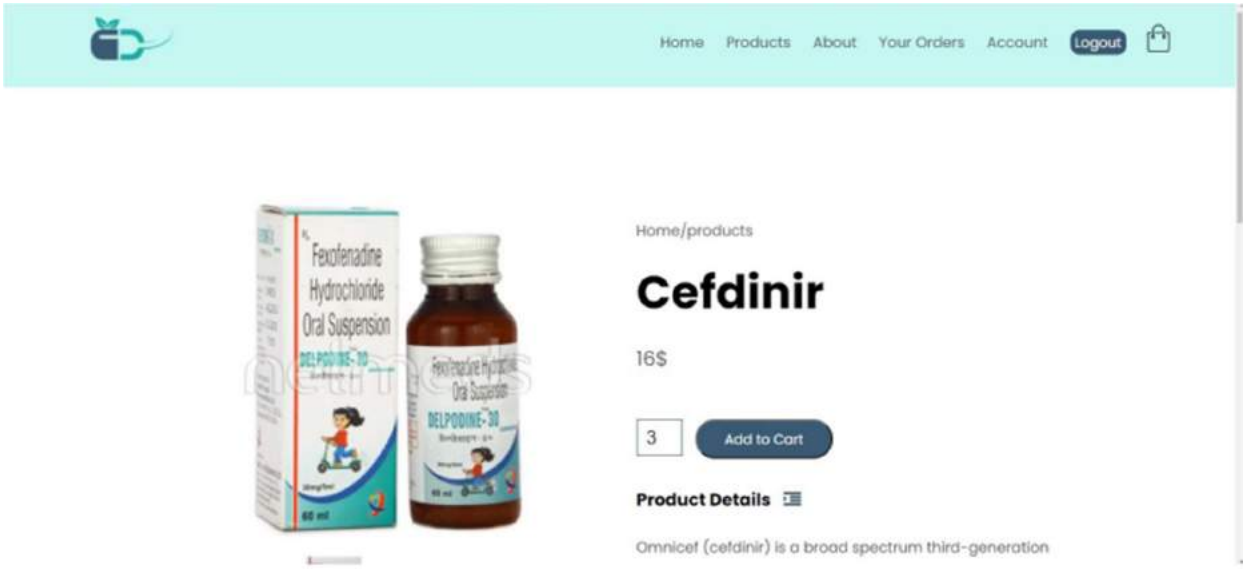
Login page:



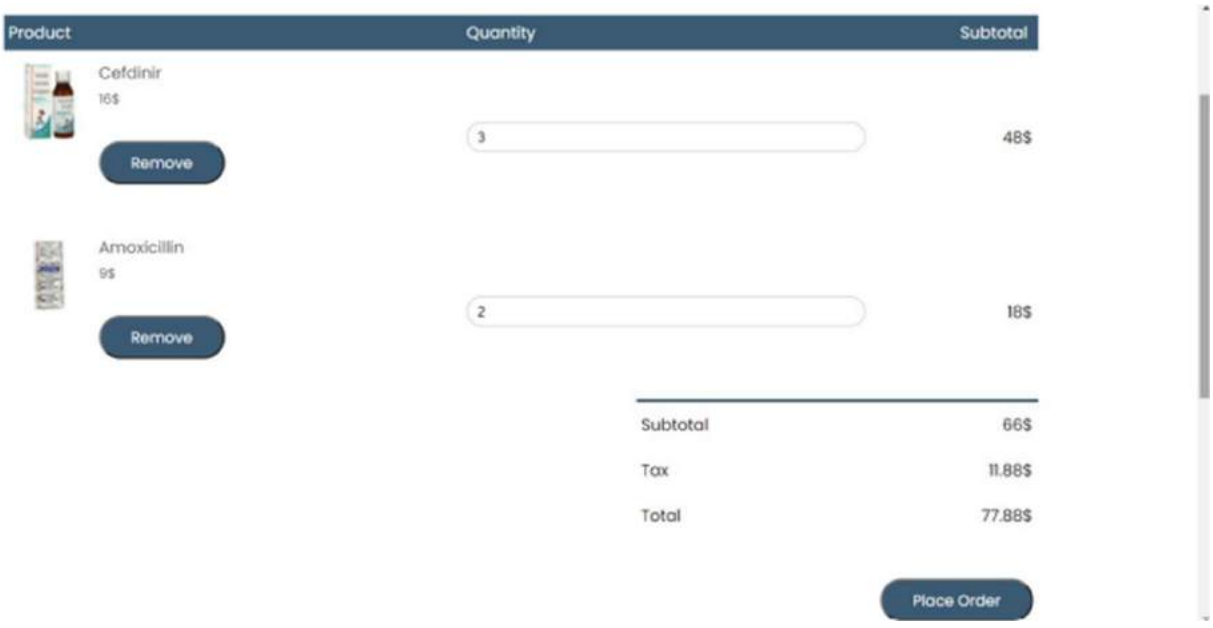
Home page:



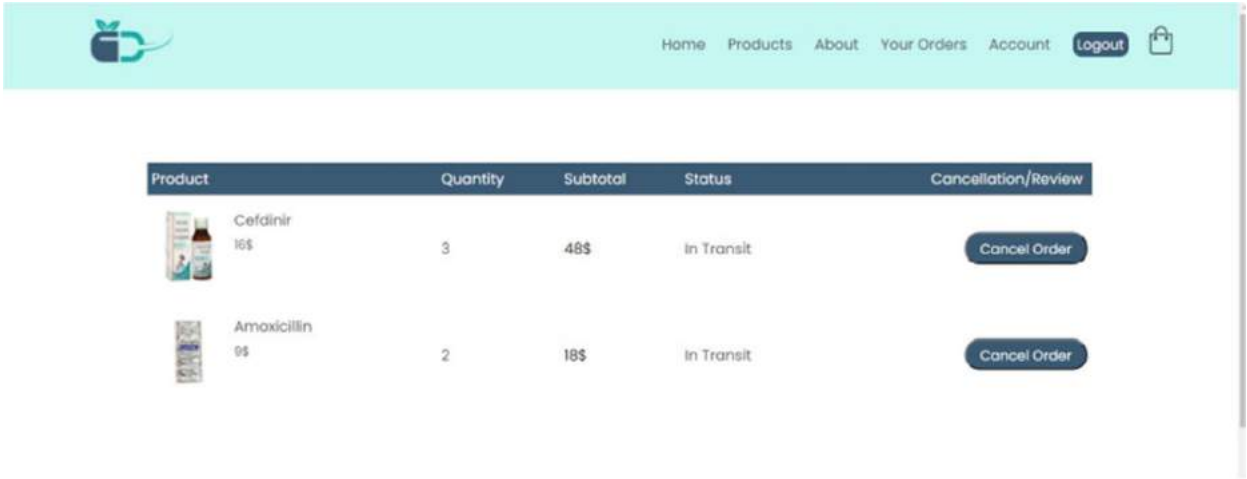
product:


Home
Products
About
Your Orders
Account
Logout
Fexofenadine Hydrochloride Oral Suspension
DELPODINE-30
Home/products
Cefdinir
16$
3
Add to Cart
Product Details
Omnicef (cefdinir) is a broad spectrum third-generation

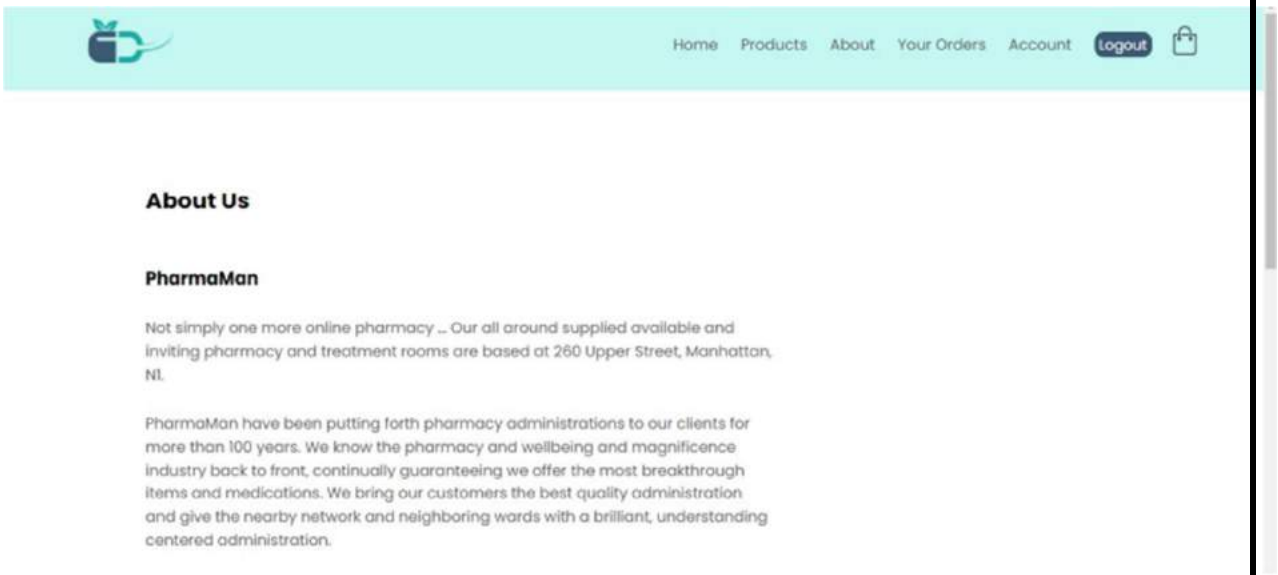
Cart:


Product
Quantity
Subtotal
Cefdinir
16$
3
48$
Remove
Amoxicillin
9$
2
18$
Remove
Subtotal
66$
Tax
11.88$
Total
77.88$
Place Order

Your orders:



About us:



CONCLUSION

Our application will make the lives of people easier and they would be able to easily access any medicine in case of emergency.