

Capstone Project – Medicare

Project Objective & Background: My Medicare portal is an frontend online e-commerce web application with a rich and user-friendly interface developed using Angular framework and also dynamic and responsive web application for booking movie tickets online for different genres and languages.

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Github: - <https://github.com/Instantgaming2356/JAVAFSD-CapstoneProject>

Core Concepts used for Project:

1. Java - 1.8
2. Maven - 3.x.x
3. Spring Boot - 2.2.1.RELEASE
4. Spring Security
5. JWT (Json Web Token package)
6. Spring Data JPA
7. MySQL
8. H2-Database
9. PostgreSQL
10. Lombok
11. Git and GitHub
12. Agile Scrum Methodology
13. Docker
14. Jenkins
15. Angular - 11
16. Angular Material
17. Bootstrap 5.1
18. HTML
19. CSS
20. JAVASCRIPT

Sprint Planning

The Implementation is done in Eight sprints which are mentioned below.

Sprint 1:

Goal: Set up the project, define the architecture, and implement the basic functionality of the web application.

- Set up the development environment and create the project structure.
- Define the architecture of the web application, including the database schema, APIs, and user interface components.
- Implement the login and registration functionality.
- Implement the CRUD operations for the medicine categories.

Sprint 2:

Goal: Implement the main features of the web application, such as searching and ordering medicines, and ensure that the application is responsive.

- Implement the search functionality for medicines, including filtering and sorting options.
- Implement the shopping cart and checkout functionality.
- Implement the user profile page and settings.
- Ensure that the web application is responsive, i.e., it looks good and functions well on different devices and screen sizes.

Sprint 3:

Goal: Improve the user experience of the web application by adding features such as reviews, ratings, and recommendations.

- Implement the review and rating functionality for medicines.
- Implement the recommendation system for medicines based on user preferences and purchase history.
- Implement the notification system for important events, such as order confirmation and shipment.
- Improve the user interface and user experience based on feedback from users and stakeholders.

Sprint 4:

Goal: Testing, Deployment, and CI/CD.

- Implement automation testing to test the application thoroughly.
- Set up a CI/CD pipeline using Jenkins to automate the build and deployment process.
- Deploy the application on an AWS EC2 instance.

- Ensure the application is secure by implementing necessary security features like HTTPS.

Screenshot

```

File Edit Source Navigate Search Project Scout Run Window Help
Tasks Properties Terminal Console Servers
<terminated> Capstone-Project-Medicare-main - CapstoneProjectApplication [Spring Boot App] C:\Program Files\Java\jdk-19\bin\javaw.exe (14-Mar-2023, 5:51:23 pm - 5:51:26 pm) [pid: 34944]

:: Spring Boot :: (v2.7.0)

2023-03-14 17:51:25.098 INFO 34944 --- [main] c.e.c.CapstoneProjectApplication : Starting CapstoneProjectApplication using Java 19.0.1 on CSCO-W-PF4
2023-03-14 17:51:25.190 INFO 34944 --- [main] c.e.c.CapstoneProjectApplication : No active profile set, falling back to 1 default profile: "default"
2023-03-14 17:51:25.726 INFO 34944 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2023-03-14 17:51:25.739 INFO 34944 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2023-03-14 17:51:25.740 INFO 34944 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.63]
2023-03-14 17:51:25.921 INFO 34944 --- [main] org.apache.jasper.servlet.TldScanner : At least one JAR was scanned for TLDs yet contained no TLDs. Enable
2023-03-14 17:51:25.929 INFO 34944 --- [main] o.a.c.c.C.[Tomcat].[/] : Initializing Spring embedded WebApplicationContext
2023-03-14 17:51:26.204 WARN 34944 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 773 ms
2023-03-14 17:51:26.207 INFO 34944 --- [main] ConfigServletWebServerApplicationContext : Exception encountered during context initialization - cancelling re
2023-03-14 17:51:26.225 INFO 34944 --- [main] o.apache.catalina.core.StandardService : Stopping service [Tomcat]
2023-03-14 17:51:26.225 INFO 34944 --- [main] ConditionEvaluationReportLoggingListener :

Error starting ApplicationContext. To display the conditions report re-run your application with 'debug' enabled.
2023-03-14 17:51:26.241 ERROR 34944 --- [main] o.s.b.d.LoggingFailureAnalysisReporter :

*****
APPLICATION FAILED TO START
*****

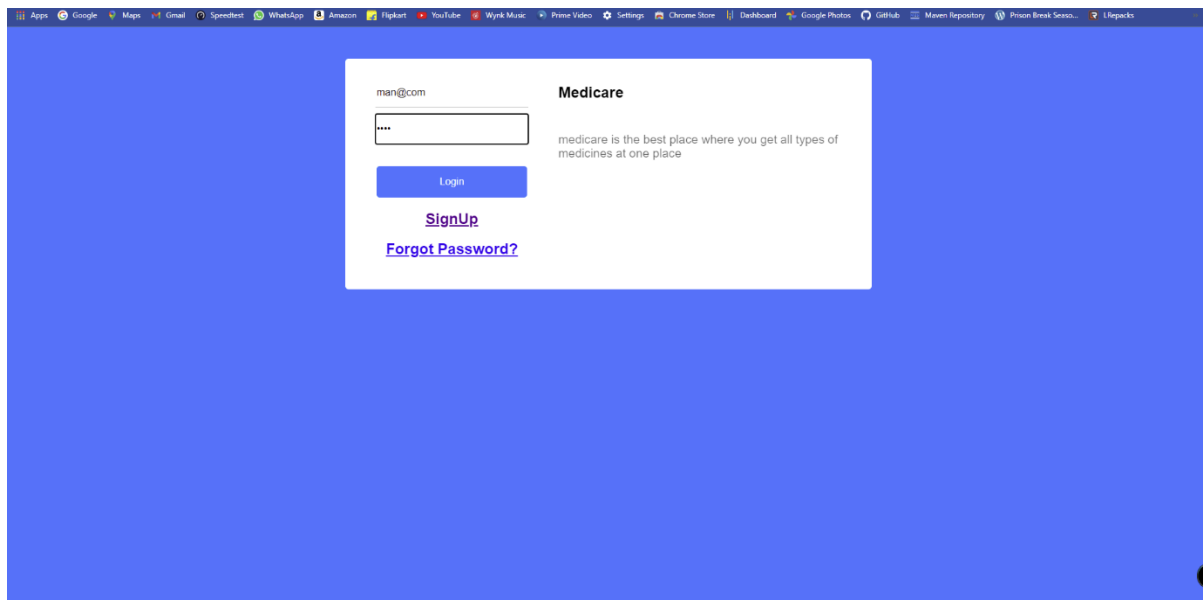
Description:

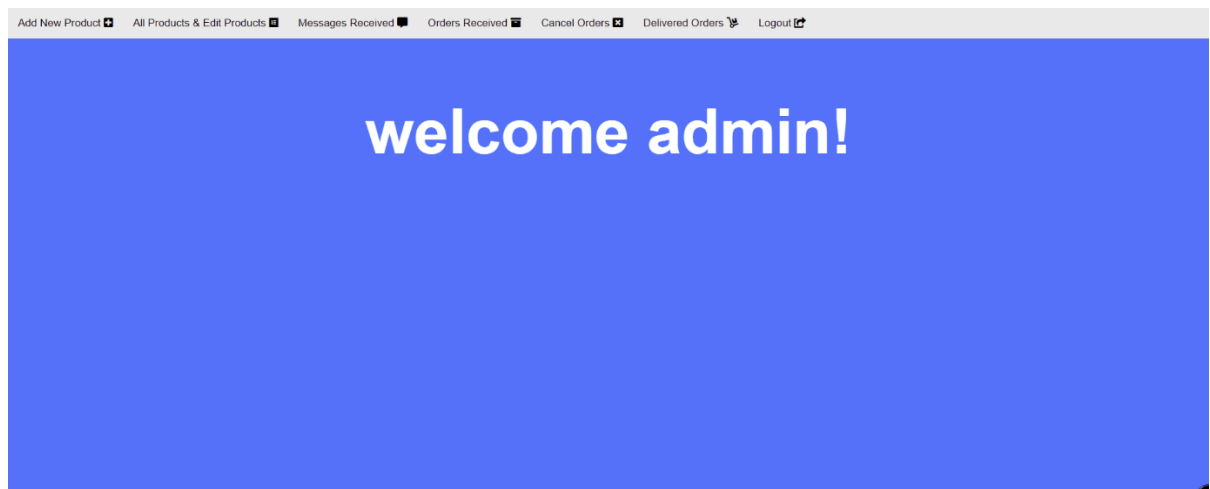
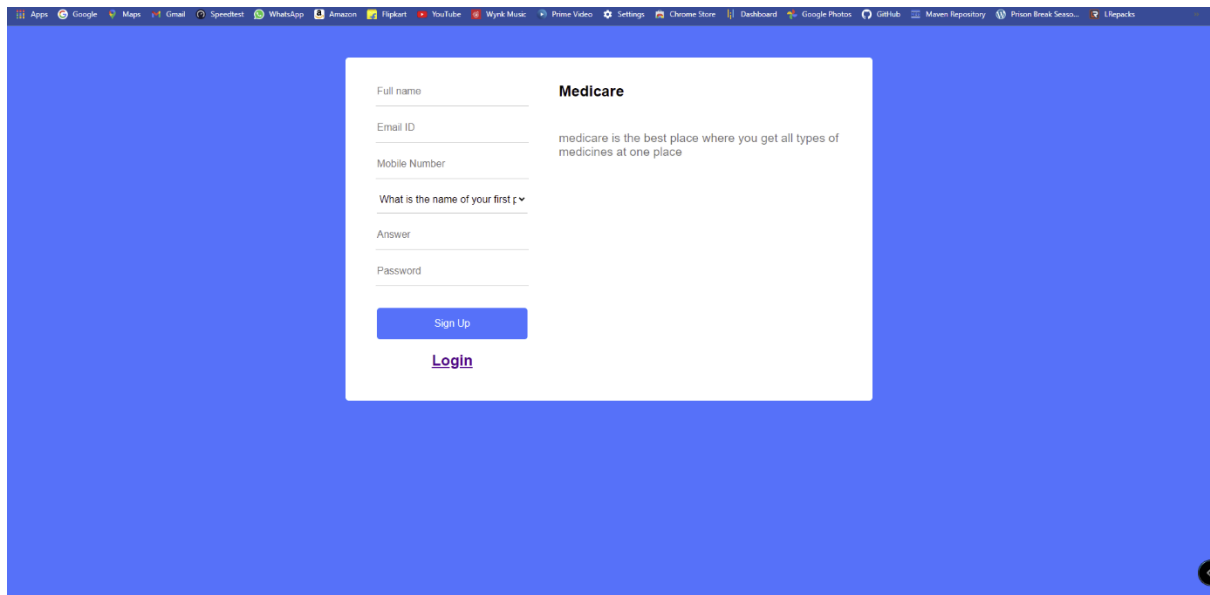
Web server failed to start. Port 8080 was already in use.

Action:

Identify and stop the process that's listening on port 8080 or configure this application to listen on another port.

```





Add New Product

All Products & Edit Products

Messages Received

Orders Received

Cancel Orders

Delivered Orders

Logout

Product ID: 3

Enter Name

Product Name

Enter Category

Product Category

Enter Price

Product Price

Status

Active

Save

Add New Product

All Products & Edit Products

Messages Received

Orders Received

Cancel Orders

Delivered Orders

Logout

| All Products & Edit Products | | | | | |
|------------------------------|-----------|----------|---------|--------|------|
| ID | NAME | CATEGORY | ₹ PRICE | STATUS | EDIT |
| 1 | medicine1 | medicine | ₹250 | Active | Edit |
| 2 | medicine2 | medicine | ₹150 | Active | Edit |

Add New Product

All Products & Edit Products

Messages Received

Orders Received

Cancel Orders

Delivered Orders

Logout

Delivered Orders

| MOBILE NUMBER | PRODUCT NAME | QUANTITY | ₹ SUB TOTAL | ADDRESS | CITY | STATE | COUNTRY | ORDER DATE | EXPECTED DELIVERY DATE | PAYMENT METHOD | T-ID | STATUS |
|---------------|--------------|----------|-------------|----------|-----------|-----------|---------|---------------------|------------------------|------------------------|------|-----------|
| 1234567890 | medicine1 | 2 | ₹500 | kothapet | hyderabad | telangana | India | 2022-05-22 20:16:48 | 2022-05-29 20:16:48 | Cash on delivery (COD) | 123 | Delivered |
| 1234567890 | medicine2 | 2 | ₹300 | kothapet | hyderabad | telangana | India | 2022-05-22 20:16:48 | 2022-05-29 20:16:48 | Cash on delivery (COD) | 123 | Delivered |

AppsGoogleMapsGmailSpeedtestWhatsAppAmazonFlipkartYouTubeWynk MusicPrime VideoSettingsChrome StoreDashboardGoogle PhotosGitHubMaven RepositoryPrison Break Season 10Lilipacks

Medicare

man@comHomeMy CartMy OrdersChange DetailsMessage UsAboutLogout

Search

My Cart

TOTAL: ₹1200

PROCEED TO ORDER

| S.NO | PRODUCT NAME | CATEGORY | ₹ PRICE | QUANTITY | SUB TOTAL | REMOVE |
|------|--------------|----------|---------|----------|-----------|--------|
| 1 | medicine1 | medicine | ₹250 | 3 | ₹ 750 | Remove |
| 2 | medicine2 | medicine | ₹150 | 3 | ₹ 450 | Remove |

Change Details

Back

Your Profile(man@com)

Change Password

Add or change Address

Change Security Question

Change Mobile Number

Name:Manish Machha

Email:man@com

Mobile Number: 1234567890

Security Question:What is the name of your first pet ?

Back

Your Profile(man@com)

Change Password

Add or change Address

Change Security Question

Change Mobile Number

Enter Old Password

Enter old password

Enter New Password

Enter new password

Enter Confirm Password

confirm new password

Save

Change Details

Back

Your Profile(man@com)

Change Password

Add or change Address

Change Security Question

Change Mobile Number

Enter Address

kothapet

Enter city

hyderabad

Enter State

telangana

Enter country

India

Save

Medicare

man@com

Home

My Cart

My Orders

Change Details

Message Us

About

Logout

Search

Message Us

subject

Enter Your Message

Send

Medicare

The art of medicine consists in amusing the patient while nature cures the

We sell all kinds of Medicines and Drugs :- Make Your Healthcare Advanced With Medicare

Contact us at :- medicare@gmail.com

or

contact us at Instagram :- medicare_1431



BACK

TOTAL: 1200

| S.NO | PRODUCT NAME | CATEGORY | PRICE | QUANTITY | SUB TOTAL |
|------|--------------|----------|-------|----------|-----------|
| 1 | medicine1 | medicine | 250 | 3 | 750 |
| 2 | medicine2 | medicine | 150 | 3 | 450 |

Enter Address

Enter city

kothapet

hyderabad

Enter State

Enter country

telangana

india

*If there is no address its mean that you did not set you address!

*This address will also updated to your profile

Select way of Payment

Pay online on this PhonePe/4563er@pay.com

Cash on delivery(COD)

Transaction ID

*If you select online Payment then enter you transaction ID here otherwise leave this blank

Mobile Number

1234567890

*If you enter wrong transaction id then your order will we can cancel!

Proceed to place order

*This mobile number will also updated to your profile

*Fill form correctly

| | | |
|---------------------------------|--|--|
| Name: Manish Machha | Mobile Number: 1234567890 | Email: man@com |
| Order Date: 2022-05-23 13:47:52 | Expected Delivery: 2022-05-30 13:47:52 | Payment Method: Cash on delivery (COD) |
| Transaction Id: gbfsdrbdr | Address: kothapet | City: hyderabad |
| State: telangana | | Country: India |

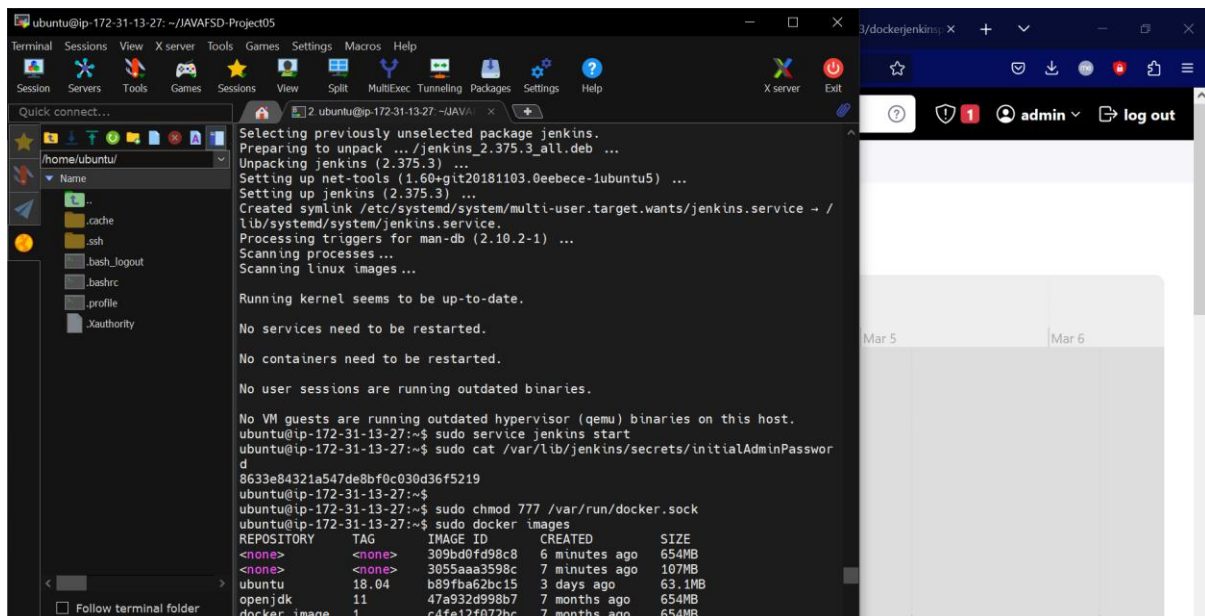
Product Details

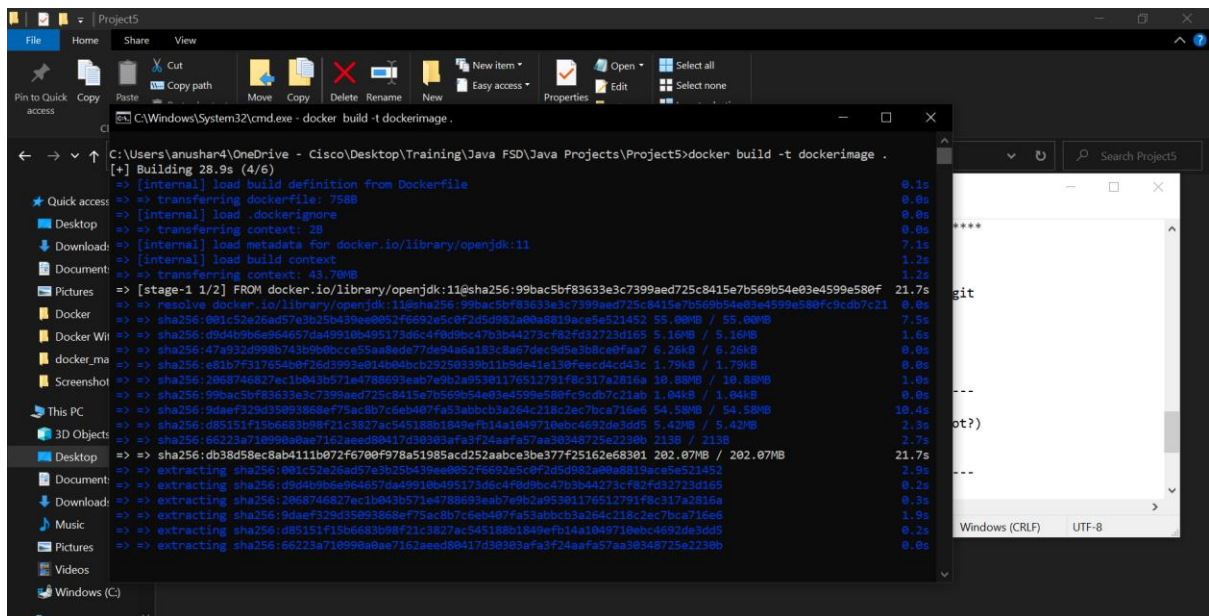
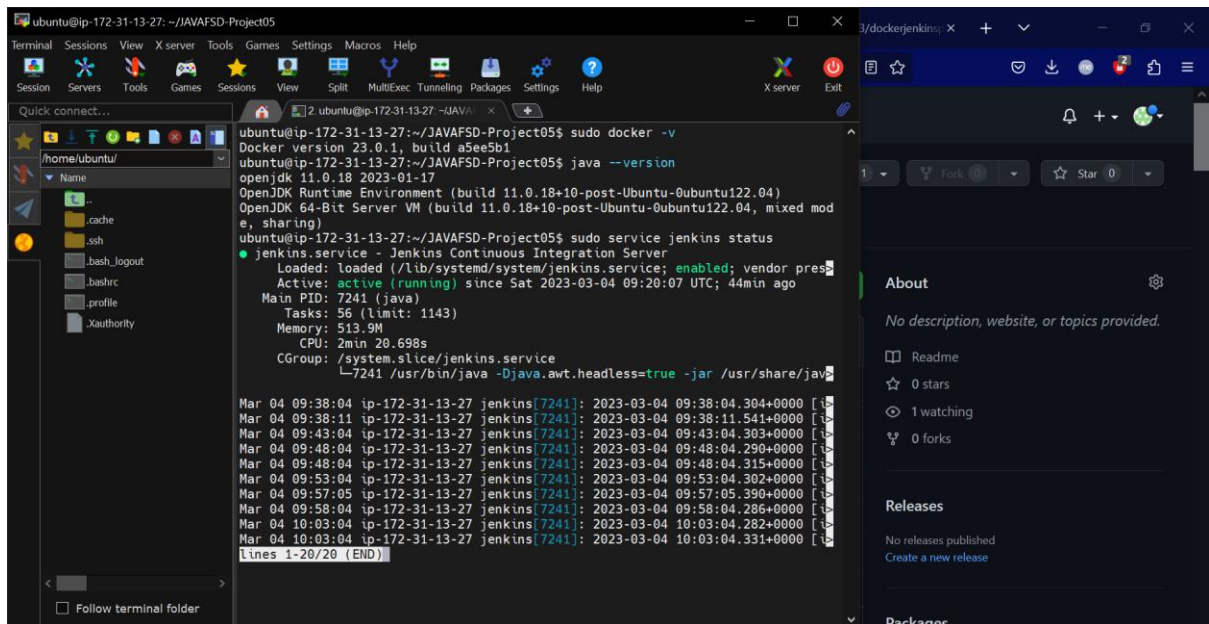
| S.No | Product Name | category | Price | Quantity | Sub Total |
|------|--------------|----------|-------|----------|-----------|
| 1 | medicine1 | medicine | 250 | 3 | 750 |
| 2 | medicine2 | medicine | 150 | 3 | 450 |

Total: 1200

Continue Shopping

Print





Search for services, features, blogs, docs, and more

[Alt+S]

Services

N. Virginia

Manish Machha

New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Instances (1/1) Info

Connect

Instance state

Actions

Launch instances

Search

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP |
|----------|--------------------|----------------|---------------|-------------------|--------------|-------------------|-------------------------|-----------------|------------|
| Capstone | i-07144380fecc3996 | Running | t2.micro | 2/2 checks passed | No alarms | us-east-1c | ec2-3-80-36-184.comp... | 3.80.36.184 | - |

Instance: i-07144380fecc3996 (Capstone)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Instance summary

Instance ID

i-07144380fecc3996 (Capstone)

Public IPv4 address

3.80.36.184 | open address

Private IPv4 addresses

172.31.22.107

Instance state

Running

Public IPv4 DNS

ec2-3-80-36-184.compute-1.amazonaws.com | open address

IPv6 address

-

Private IP DNS name (IPv4 only)

ip-172-31-22-107.ec2.internal

Answer private resource DNS name

IPv4 (A)

Instance type

t2.micro

Elastic IP addresses

-

Auto-assigned IP address

3.80.36.184 [Public IP]

VPC ID

vpc-0adec338f83ac1cd2

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role

-

Subnet ID

subnet-0c041476a05ca3e5a

Auto Scaling Group name

-

Instance details

```
55 <!DOCTYPE html>
56 <html>
57 <head>
58 <link rel="stylesheet" href="css/signup-style.css">
59 <title>Sign up</title>
60 </head>
61 <body>
62     <div id='container'>
63         <div class='signup'>
64             <form action="signupAction.jsp" method="
post">
65                 <input type="text" name="name"
placeholder="Full name"> <input
66                     type="email" name="email"
placeholder="Email ID"> <input
67                     type="number" name="phonenummer"
placeholder="Mobile Number">
68                     <select name="securityQuestion"
required>
69                         <option value="What is the name
of your first pet ?">What
70                             is the name of your first pet
?</option>
71                         <option value="What is your first
car ?">What is your
72                             first car ?</option>
73                         <option value="Where did you born
?">Where did you born ?</option>
74                         <option value="What is the name
of your first school ?">What
75                             is the name of your first
school ?</option>
76                     </select> <input type="text" name="
answer" placeholder="Answer"> <input
77                     type="password" name="password"
placeholder="Password"> <input
78                     type="submit" value="Sign Up">
79                 </form>
80                 <h2>
81                     <a href="login.jsp">Login</a>
82                 </h2>
```

```
119 placeholder="Email ID"> <input
120             type="password" name="password"
121 placeholder="Password"> <input
122             type="submit" value="Login">
123         </form>
124         <h2>
125             <a href="signup.jsp">SignUp</a>
126             </h2>
127             <h2>
128                 <a href="forgotPassword.jsp">Forgot
129 Password?</a>
130             </h2>
131         </div>
132         <div class='whysignLogin'>
133             <%
134                 String msg = request.getParameter("msg
135 ");
136                 if ("notexist".equals(msg)) {
137                     %>
138                     <h1>Incorrect Username or Password</h1>
139                     <%
140                         }
141                         if ("invalid".equals(msg)) {
142                             %>
143                             <h1>Some thing Went Wrong! Try Again !</
144 h1>
145                             <%
146                                 }
147                                 %>
148                                 <h2>Medicare</h2>
149 <p>medicare is the best place where you get all
150 types of medicines at one place</p>
151 </div>
152 </div>
153
154 </body>
155 </html>
```

```
193 %>
194
195
196
197 4.Login action
198
199 <%@page import="com.project.ConnectionProvider"%>
200 <%@ page import="java.sql.*"%>
201
202 <%
203 String email = request.getParameter("email");
204 String password = request.getParameter("password");
205
206 if ("admin@gmail.com".equals(email) && "admin".
    equals(password)) {
207     session.setAttribute("email", email);
208     response.sendRedirect("admin/adminHome.jsp");
209 } else {
210     int z = 0;
211     try {
212         Connection con = ConnectionProvider.getCon
            ();
213         Statement st = con.createStatement();
214         ResultSet rs = st
215             .executeQuery("select * from users where
email='" + email + "' and password='" + password
+ "'");
216         while (rs.next()) {
217             z = 1;
218             session.setAttribute("email", email);
219             response.sendRedirect("home.jsp");
220         }
221         if (z == 0) {
222             response.sendRedirect("login.jsp?msg=notexist");
223         }
224     } catch (Exception e) {
225         System.out.println(e);
226         response.sendRedirect("login.jsp?msg=invalid
");
227     }
228 }
```



```

265 %>
266 <h3 class="alert">Product already exist in you cart
    ! Quantity increased!</h3>
267 <%
268 }
269 %>
270
271 <%
272 if("invalid".equals(msg))
273 {
274 %>
275 <h3 class="alert">Password change successfully!</h3>
276 <%
277 }
278 %>
279 <table>
280 <thead>
281 <tr>
282   <th scope="col">ID</th>
283   <th scope="col">Name</th>
284   <th scope="col">Category</th>
285   <th scope="col"><i class="fa fa-inr"></i> Price</th>
286   <th scope="col">Add to cart <i class='fas fa-cart-
    plus'></i></th>
287 </tr>
288 </thead>
289 <tbody>
290 <%
291 try{
292     Connection con=ConnectionProvider.getCon();
293     Statement st=con.createStatement();
294     ResultSet rs=st.executeQuery("select * from
    products where status='Active'");
295     while(rs.next()){
296 %>
297 <tr>
298   <td><%=rs.getString(1)%></td>
299   <td><%=rs.getString(2) %></td>
300   <td><%=rs.getString(3)%></td>
301   <td><i class="fa fa-inr"></i><%=rs.getString(4)%></
    td>

```

```

336 <thead>
337 <tr>
338 <th scope="col">ID</th>
339 <th scope="col">Name</th>
340 <th scope="col">Category</th>
341 <th scope="col"><i class="fa fa-inr"></i> Price</th>
    >
342 <th scope="col">Add to cart <i class='fas fa-cart-
    plus'></i></th>
343 </tr>
344 </thead>
345 <tbody>
346 <%
347 int z=0;
348 String search=request.getParameter("search");
349 try{
350     Connection con=ConnectionProvider.getCon();
351     Statement st=con.createStatement();
352     ResultSet rs=st.executeQuery("select * from
    products where name like '%" +search+"%' or category
    like '%" +search+"%' and status='Active'");
353     while(rs.next()){
354         z=1;
355 %>
356 <tr>
357 <td><%=rs.getString(1)%></td>
358 <td><%=rs.getString(2) %></td>
359 <td><%=rs.getString(3)%></td>
360 <td><i class="fa fa-inr"></i><%=rs.getString(4
    )%></td>
361 <td><a href="addToCartAction.jsp?id=<%=rs.
    getString(1)%>">Add to cart <i class='fas fa-cart-
    plus'></i></a></td>
362 </tr>
363 <%
364     }
365 }
366 catch(Exception e){
367     System.out.println(e);
368 }
369 %>

```

```
407 <body>
408 <div style="color: white; text-align: center; font-
    size: 30px;">My Cart <i class='fas fa-cart-arrow-
    down'></i></div>
409 <%
410 String msg=request.getParameter("msg");
411 if("no".equals(msg)){
412 %>
413 <h3 class="alert">There is only one Quantity! So
    click on remove!</h3>
414 <%
415 }
416 %>
417
418 <%
419 if("inc".equals(msg)){
420 %>
421 <h3 class="alert">Quantity   Increased Successfully
    !</h3>
422 <%
423 }
424 %>
425
426 <%
427 if("dec".equals(msg)){
428 %>
429 <h3 class="alert">Quantity   Decreased Successfully
    !</h3>
430 <%
431 }
432 %>
433
434 <%
435 if("rem".equals(msg)){
436 %>
437 <h3 class="alert">Product Successfully Removed!</h3>
438 <%
439 }
440 %>
441
442 <table>
```

```

475 %>
476 <tr>
477 <%sno=sno+1; %>
478 <td><%=sno%></td>
479 <td><%=rs1.getString(2) %></td>
480 <td><%=rs1.getString(3) %></td>
481 <td><i class="fa fa-inr"></i><%=rs1.getString(4) %></td>
482 <td><a href="incDecQuantityAction.jsp?id=<%=rs1.
    getString(1)%>&quantity=inc"><i class='fas fa-plus-
    circle'></i></a> <%=rs1.getString(8) %> <a href="
    incDecQuantityAction.jsp?id=<%=rs1.getString(1)%>&
    quantity=dec"><i class='fas fa-minus-circle'></i></a>
    ></td>
483 <td><i class="fa fa-inr"></i> <%=rs1.getString(10
    ) %></td>
484 <td><a href="removeFromCart.jsp?id=<%=rs1.getString(
    1)%>">Remove <i class='fas fa-trash-alt'></i></a></td>
485 </tr>
486 <%
487 }
488 }
489 catch(Exception e){
490 System.out.println(e);
491 }
492 %>
493 </tbody>
494 </table>
495 <br>
496 <br>
497 <br>
498
499 </body>
500 </html>
501
502 SOH
503 8.My orders
504
505 <%@page import="com.project.ConnectionProvider"%>
506 <%@ page import="java.sql.*"%>

```

```
539 id and cart.email='"+email+"' and cart.orderDate is
    not NULL");
540     while(rs.next()){
541         sno=sno+1;
542 %>
543 <tr>
544 <td><%=sno %></td>
545 <td><%=rs.getString(17) %></td>
546 <td><%=rs.getString(18) %></td>
547 <td><i class="fa fa-inr"></i> <%=rs.getString(19
    ) %></td>
548 <td><%=rs.getString(3) %></td>
549 <td><i class="fa fa-inr"></i><%=rs.getString(5
    ) %> </td>
550 <td><%=rs.getString(11) %></td>
551 <td><%=rs.getString(12) %></td>
552 <td><%=rs.getString(13) %></td>
553 <td><%=rs.getString(15) %></td>
554 </tr>
555 <%
556 }
557 }
558 catch(Exception e){
559     System.out.println(e);
560 }
561 %>
562 </tbody>
563 </table>
564 <br>
565 <br>
566 <br>
567
568 </body>
569 </html>
570
571 SOH
572 9.Change details
573
574 <%@page import="com.project.ConnectionProvider"%>
575 <%@ page import="java.sql.*"%>
576 <%@include file="changeDetailsHeader.jsp" %>
```

```
615
616 <%@page import="com.project.ConnectionProvider"%>
617 <%@ page import="java.sql.*"%>
618 <%@include file="header.jsp" %>
619 <%@include file="footer.jsp" %>
620 <html>
621 <head>
622 <link rel="stylesheet" href="css/messageUs.css">
623 <script src='https://kit.fontawesome.com/a076d05399.
    js'></script>
624 <title>Message Us</title>
625 </head>
626 <body>
627 <div style="color: white; text-align: center; font-
    size: 30px;">Message Us <i class='fas fa-comment-alt
    '></i></div>
628 <%
629 String msg=request.getParameter("msg");
630 if("valid".equals(msg))
631 {
632 %>
633 <h3 style="text-align:center; color:yellow;">Message
    successfully sent. Our team will contact you soon
    !</h3>
634 <%
635 }
636 %>
637 <%
638 if("invalid".equals(msg))
639 {
640 %>
641 <h3 style="text-align:center; ">Some thing Went
    Wrong! Try Again!</h3>
642 <%
643 }
644 %>
645 <form action="messageUsAction.jsp" method="post">
646 <input class="input-style" name="subject" type="text
    " placeholder="subject" required>
647 <hr>
648 <textarea class="input-style" name="body">
```

```
680 contact us at Instagram :- medicare_1431
681 </div>
682
683 </body>
684 </html>
685
686 SOH
687 12. Logout
688
689 <%
690 session.invalidate();
691 response.sendRedirect("login.jsp");
692 %>
693
694 SOH
695 13. Add to cart action
696
697 <%@page import="com.project.ConnectionProvider"%>
698 <%@ page import="java.sql.*"%>
699
700 <%
701 String email = session.getAttribute("email").
    toString();
702 String product_id = request.getParameter("id");
703 int quantity = 1;
704 int product_price = 0;
705 int product_total = 0;
706 int cart_total = 0;
707 int z = 0;
708 try {
709     Connection con = ConnectionProvider.getCon();
710     Statement st = con.createStatement();
711     ResultSet rs = st.executeQuery("select *      from
    products where id=' " + product_id + "'");
712     while (rs.next()) {
713         product_price = rs.getInt(4);
714         product_total = product_price;
715     }
716     ResultSet rs1 = st.executeQuery(
717         "select * from cart where product_id='" +
    product_id + "' and email='" + email + "' and
```

```
753 <%
754 String email = session.getAttribute("email").
    toString();
755 String id = request.getParameter("id");
756 String incdec = request.getParameter("quantity");
757 int price = 0;
758 int total = 0;
759 int quantity = 0;
760 int final_total = 0;
761 try {
762     Connection con = ConnectionProvider.getCon();
763     Statement st = con.createStatement();
764     ResultSet rs = st.executeQuery(
765         "select * from cart where email='" + email + "'
and product_id='" + id + "' and address is null");
766     while (rs.next()) {
767         price = rs.getInt(4);
768         total = rs.getInt(5);
769         quantity = rs.getInt(3);
770
771         if (quantity == 1 && incdec.equals("dec")) {
772             response.sendRedirect("myCart.jsp?msg=no");
773         } else if (quantity != 1 && incdec.equals("
dec")) {
774             total = total - price;
775             quantity = quantity - 1;
776             st.executeUpdate("update cart set total='" +
total + "' , quantity='" + quantity + "' where email
='\" + email
777                 + '\" and product_id='" + id + "' and
address is null");
778             response.sendRedirect("myCart.jsp?msg=dec");
779         } else {
780             total = total + price;
781             quantity = quantity + 1;
782             st.executeUpdate("update cart set total='" +
total + "' , quantity='" + quantity + "' where email
='\" + email
783                 + '\" and product_id='" + id + "' and
address is null");
784             response.sendRedirect("myCart.jsp?msg=inc");
```



```

819
820 %>
821 <tr>
822 <th scope="col"><a href="myCart.jsp"><i class='fas
    fa-arrow-circle-left'> Back</i></a></th>
823 <th scope="col" style="background-color: yellow;">
    Total: <i class="fa fa-inr"></i><%=total %> </th>
824 </tr>
825 </thead>
826 <thead>
827 <tr>
828 <th scope="col">S.No</th>
829 <th scope="col">Product Name</th>
830 <th scope="col">Category</th>
831 <th scope="col"><i class="fa fa-inr"></i> price</th>
832 <th scope="col">Quantity</th>
833 <th scope="col">Sub Total</th>
834 </tr>
835 </thead>
836 <tbody>
837 <%>
838 ResultSet rs1=st.executeQuery("select * from
    products inner join cart on products.id=cart.
    product_id and cart.email='"+email+"' and cart.
    address is null");
839 while(rs1.next()){
840 %>
841 <tr>
842     <%sno=sno+1; %>
843 <td><%=sno%></td>
844 <td><%=rs1.getString(2) %></td>
845 <td><%=rs1.getString(3) %></td>
846 <td><i class="fa fa-inr"></i><%=rs1.getString(4
    ) %></td>
847 <td> <%=rs1.getString(8) %></td>
848 <td><i class="fa fa-inr"></i><%=rs1.getString(10
    ) %> </td>
849 </tr>
850 <%>
851 ResultSet rs2=st.executeQuery("select * from users
    where email='"+email+"'");

```

```
882 <h3>Select way of Payment</h3>
883 <select class="input-style" name="paymentMethod">
884 <option value="Cash on delivery (COD)"> Cash on
    delivery(COD) </option>
885 <option value="Online Payment">Online Payment</
    option>
886 </select>
887 </div>
888
889 <div class="right-div">
890 <h3>Pay online on this btechdays@pay.com</h3>
891 <input class="input-style" type="text" name="
    transactionID" placeholder="Transaction ID"
    required>
892 <h3 style="color: red">*If you select online Payment
    then enter you transaction ID here otherwise leave
    this blank</h3>
893 </div>
894 <hr style="width: 100%">
895
896 <div class="left-div">
897 <h3>Mobile Number</h3>
898 <input class="input-style" type="text" name="
    mobilenummer" value="<%=rs2.getString(3)%>"
    placeholder="Mobile Number" required>
899 <h3 style="color: red">*This mobile number will also
    updated to your profile</h3>
900 </div>
901 <div class="right-div">
902 <h3 style="color: red">*If you enter wrong
    transaction id then your order will we can cancel!</
    h3>
903 <button class="button" type="submit">Proceed to
    place order <i class='far fa-arrow-alt-circle-right
    '></i></button>
904 <h3 style="color: red">*Fill form correctly</h3>
905 </div>
906 </form>
907 <%
908 }
909 }
```

```
946 ps.setString(5, mobileNumber);
947 ps.setString(6, email);
948 ps.executeUpdate();
949 PreparedStatement ps1=con.prepareStatement("update
    cart set address=?,city=?,state=?,country=?,
    mobilenumber=?,orderDate=now(),deliveryDate=DATE_ADD
    (orderDate,INTERVAL 7 DAY),paymentMethod=?,
    transactionID=?,status=? where email=? and address
    is NULL");
950 ps1.setString(1, address);
951 ps1.setString(2, city);
952 ps1.setString(3, state);
953 ps1.setString(4, country);
954 ps1.setString(5, mobileNumber);
955 ps1.setString(6, paymentMethod);
956 ps1.setString(7, transactionId);
957 ps1.setString(8, status);
958 ps1.setString(9, email);
959 ps1.executeUpdate();
960 response.sendRedirect("bill.jsp");
961 }
962 catch (Exception e){System.out.println(e);}%>
963 17.Remove from cart
964
965 <%@page import="com.project.ConnectionProvider"%>
966 <%@ page import="java.sql.*"%>
967
968 <%
969 String email = session.getAttribute("email").
    toString();
970 String id = request.getParameter("id");
971 try {
972     Connection con = ConnectionProvider.getCon();
973     Statement st = con.createStatement();
974     st.executeUpdate("delete from cart where email
        ='"+ email + "' and product_id='"+ id + "' and
        address is null");
975     response.sendRedirect("myCart.jsp?msg=rem");
976 }
977
978 catch (Exception e) {
```

```
1017 19.Change details header
1018
1019 <%@page errorPage="error.jsp" %>
1020 <!DOCTYPE html>
1021 <html>
1022 <head>
1023 <link rel="stylesheet" href="css/home-style.css">
1024 <link rel="stylesheet" href="https://cdnjs.
    cloudflare.com/ajax/libs/font-awesome/4.7.0/css/
    font-awesome.min.css">
1025 <script src='https://kit.fontawesome.com/a076d05399
    .js'></script>
1026 </head>
1027 <!--Header-->
1028 <br>
1029 <div class="topnav sticky">
1030 <center><h2>Change Details<i class="fa fa-edit"></i>
    </h2></center>
1031 <%String email=session.getAttribute("email").
    toString(); %>
1032 <h2><a href="home.jsp"><i class='fas fa-arrow-
    circle-left'>Back</i></a></h2>
1033 <h2><a href="">Your Profile(<%=email%>) <i class='
    fas fa-user-alt'></i></a></h2>
1034 <a href="changePassword.jsp">Change Password <i
    class='fas fa-key'></i></a>
1035 <a href="addChangeAddress.jsp">Add or change
    Address <i class='fas fa-map-marker-alt'></i></a>
1036 <a href="changeSecurityQuestion.jsp">Change
    Security Question <i class="fa fa-repeat"></i></a>
1037 <a href="changeMobileNumber.jsp">Change Mobile
    Number <i class='fas fa-phone'></i></a>
1038 </div>
1039 <br>
1040 <!--table-->
1041
1042
1043
1044
1045
1046
```

```
1084 }
1085 %>
1086 <%
1087 if("invalid".equals(msg))
1088 {
1089 %>
1090 <h3 class="alert">Some thing went wrong! Try again
    !</h3>
1091 <%
1092 }
1093 %>
1094 <form action="changePasswordAction.jsp" method="
    post">
1095 <h3>Enter Old Password</h3>
1096 <input class="input-style" type="password" name="
    oldPassword" placeholder="Enter old password"
    required>
1097     <hr>
1098     <h3>Enter New Password</h3>
1099     <input class="input-style" type="password" name="
    newPassword" placeholder="Enter new password"
    required>
1100     <hr>
1101 <h3>Enter Confirm Password</h3>
1102 <input class="input-style" type="password" name="
    confirmPassword" placeholder="confirm new password
    " required>
1103 <hr>
1104 <button class="button" type="submit" >Save <i class
    ='far fa-arrow-alt-circle-right'></i></button>
1105 </form>
1106 </body>
1107 <br><br><br>
1108 </html>
1109
1110
1111
1112
1113
1114
1115
```

```
1152     Connection con = ConnectionProvider.getCon();
1153     Statement st = con.createStatement();
1154     ResultSet rs = st.executeQuery("select * from users
        where email='" + email + "' and password='" +
        oldPassword + "');
1155     while (rs.next()) {
1156         check = 1;
1157         st.executeUpdate("update users set password='" +
        newPassword + "' where email='" + email + "');
1158         response.sendRedirect("changePassword.jsp?msg=done
        ");
1159     }
1160
1161     if (check == 0)
1162         response.sendRedirect("changePassword.jsp?msg=wrong
        ");
1163     } catch (Exception e) {
1164         System.out.println(e);
1165     }
1166 }
1167 %>
1168
1169
1170
1171
1172
1173 22.Change address
1174
1175 <%@page import="com.project.ConnectionProvider"%>
1176 <%@ page import="java.sql.*"%>
1177 <%@include file="changeDetailsHeader.jsp" %>
1178 <%@include file="footer.jsp" %>
1179 <html>
1180 <head>
1181 <link rel="stylesheet" href="css/changeDetails.css
        ">
1182 <script src='https://kit.fontawesome.com/a076d05399
        .js'></script>
1183 <title>Add or change address</title>
1184 </head>
1185 <body>
```

```
1219 <h3>Enter State</h3>
1220 <input class="input-style" type="text" name="state
      " value="<%=rs.getString(9) %>" placeholder="enter
      state" required>
1221 <hr>
1222 <h3>Enter country</h3>
1223 <input class="input-style" type="text" name="
      country" value="<%=rs.getString(10) %>" placeholder
      ="enter country" required>
1224 <hr>
1225 <button class="button" type="submit">Save <i class
      ='far fa-arrow-alt-circle-right'></i></button>
1226 </form>
1227 <%
1228     }
1229 }
1230 catch(Exception e){
1231     System.out.println(e);
1232 }
1233 %>
1234 </body>
1235 <br><br><br>
1236 </html>
1237
1238
1239
1240
1241
1242
1243
1244
1245
1246
1247
1248
1249
1250
1251
1252
1253
1254
```

```
1291 <%@include file="changeDetailsHeader.jsp" %>
1292 <%@include file="footer.jsp" %>
1293 <html>
1294 <head>
1295 <link rel="stylesheet" href="css/changeDetails.css
    ">
1296 <script src='https://kit.fontawesome.com/a076d05399
    .js'></script>
1297 <title>Message Us</title>
1298 </head>
1299 <body>
1300 <%
1301 String msg=request.getParameter("msg");
1302 if("done".equals(msg))
1303 {
1304 %>
1305 <h3 class="alert">Your Mobile Number successfully
    changed!</h3>
1306 <%
1307 }
1308 %>
1309 <%
1310 if("wrong".equals(msg))
1311 {
1312 %>
1313 <h3 class="alert">Your Password is wrong!</h3>
1314 <%
1315 }
1316 %>
1317 <form action="changeMobileNumberAction.jsp" method
    ="post">
1318 <h3>Enter Your New Mobile Number</h3>
1319 <input class="input-style" type="text" name="
    mobileNumber" placeholder="mobile number" required
    >
1320 <hr>
1321 <h3>Enter Password (For Security)</h3>
1322 <input class="input-style" type="password" name="
    password" placeholder="password" required>
1323 <hr>
1324 <button class="button" type="submit">Save <i class
```



```
1358 <%@page import="java.sql.*"%>
1359 <%
1360 String email = session.getAttribute("email").
    toString();
1361 String subject = request.getParameter("subject");
1362 String body = request.getParameter("body");
1363 try {
1364     Connection con = ConnectionProvider.getCon();
1365     PreparedStatement ps = con.prepareStatement("
insert into message (email, subject, body) values
    (?, ?, ?)");
1366     ps.setString(1, email);
1367     ps.setString(2, subject);
1368     ps.setString(3, body);
1369     ps.executeUpdate();
1370     response.sendRedirect("messageUs.jsp?msg=valid
    ");
1371 } catch (Exception e) {
1372     System.out.println(e);
1373     response.sendRedirect("messageUs.jsp?msg=
    invalid");
1374 }
1375 %>
1376
1377
1378
1379 26.Bill
1380
1381 <%@page import="com.project.ConnectionProvider"%>
1382 <%@ page import="java.sql.*"%>
1383 <%@include file="footer.jsp" %>
1384 <html>
1385 <head>
1386 <link rel="stylesheet" href="css/bill.css">
1387 <title>Bill</title>
1388 </head>
1389 <body>
1390 <%
1391 String email=session.getAttribute("email").toString
    ();
1392 try{
```

```

1420 <div class="right-div-right"><h3>Country:  <%=rs1.
    getString(19) %></h3></div>
1421
1422 <hr>
1423 <%=break;
1424 %>
1425
1426
1427     <br>
1428
1429 <table id="customers">
1430 <h3>Product Details</h3>
1431     <tr>
1432         <th>S.No</th>
1433         <th>Product Name</th>
1434         <th>category</th>
1435         <th>Price</th>
1436         <th>Quantity</th>
1437         <th>Sub Total</th>
1438     </tr>
1439     <%
1440         ResultSet rs2=st.executeQuery("select * from
        cart inner join products where cart.product_id=
        products.id and cart.email='"+email+"' and cart.
        status='bill'");
1441     while(rs2.next()){
1442         sno=sno+1;
1443     %>
1444     <tr>
1445         <td><%=sno %></td>
1446         <td><%=rs2.getString(17) %></td>
1447         <td><%=rs2.getString(18) %></td>
1448         <td><%=rs2.getString(19) %></td>
1449         <td><%=rs2.getString(3) %></td>
1450         <td><%=rs2.getString(5) %></td>
1451     </tr>
1452     <tr>
1453 <%} %>
1454 </table>
1455 <h3>Total: <%=total %></h3>
1456 <a href="continueShopping.jsp"><button class="

```

```
1496
1497
1498
1499
1500 26.Header
1501
1502 <%@page errorPage="error.jsp" %>
1503 <!DOCTYPE html>
1504 <html>
1505 <head>
1506 <link rel="stylesheet" href="css/home-style.css">
1507 <link rel="stylesheet" href="https://cdnjs.
    cloudflare.com/ajax/libs/font-awesome/4.7.0/css/
    font-awesome.min.css">
1508 <script src='https://kit.fontawesome.com/a076d05399
    .js'></script>
1509 </head>
1510     <!--Header-->
1511     <br>
1512     <div class="topnav sticky">
1513 <%String email=session.getAttribute("email").
    toString(); %>
1514 <center><h2>Sporty Shoes</h2></center>
1515 <h2><a href=""> <%=email %><i class='fas fa-user-
    alt'></i></a></h2>
1516 <a href="home.jsp">Home<i class="fa fa-institution
    "></i></a>
1517 <a href="myCart.jsp">My Cart<i class='fas fa-cart-
    arrow-down'></i></a>
1518 <a href="myOrders.jsp">My Orders <i class='fab fa-
    elementor'></i></a>
1519 <a href="changeDetails.jsp">Change Details <i class
    ="fa fa-edit"></i></a>
1520 <a href="messageUs.jsp">Message Us <i class='fas fa
    -comment-alt'></i></a>
1521 <a href="about.jsp">About <i class="fa fa-address-
    book"></i></a>
1522 <a href="logout.jsp">Logout <i class='fas fa-share-
    square'></i></a>
1523 <div class="search-container">
1524 <form action="searchHome.jsp" method="post">
```

```
1562 <html>
1563 <head>
1564 <link rel="stylesheet" href="../css/home-style.css
">
1565 <link rel="stylesheet" href="https://cdnjs.
cloudflare.com/ajax/libs/font-awesome/4.7.0/css/
font-awesome.min.css">
1566 <script src='https://kit.fontawesome.com/a076d05399
.js'></script>
1567 </head>
1568     <!--Header-->
1569     <br>
1570     <div class="topnav sticky">
1571     <%String email=session.getAttribute("email").
toString(); %>
1572 <center><h2>Sporty Shoes</h2></center>
1573 <a href="addNewProduct.jsp">Add New Product <i
class='fas fa-plus-square'></i></a>
1574 <a href="allProductEditProduct.jsp">All Products &
Edit Products <i class='fab fa-elementor'></i></a>
1575 <a href="messagesReceived.jsp">Messages Received <i
class='fas fa-comment-alt'></i></a>
1576 <a href="ordersReceived.jsp">Orders Received <i
class="fas fa-archive"></i></a>
1577 <a href="cancelOrders.jsp">Cancel Orders <i class='
fas fa-window-close'></i></a>
1578 <a href="deliveredOrders.jsp">Delivered Orders <i
class='fas fa-dolly'></i></a>
1579 <a href="../logout.jsp">Logout <i class='fas fa-
share-square'></i></a>
1580 </div><br><!--table-->
1581 31.Add new product
1582
1583 <%@page import="com.project.ConnectionProvider"%>
1584 <%@ page import="java.sql.*"%>
1585 <%@include file="adminHeader.jsp" %>
1586 <%@include file="../footer.jsp" %>
1587
1588 <html>
1589 <head>
1590 <link rel="stylesheet" href="../css/addNewProduct-
```

```
1628 <h3 style="color: yellow;">Product ID: <%=id %></h3>
1629 >
1629 <input type="hidden" name="id" value="<%=id%>">
1630
1631 <div class="left-div">
1632   <h3>Enter Name</h3>
1633   <input class = "input-style" type="text" name="
1634     name" placeholder="Product Name">
1635 <hr>
1636 </div>
1637
1637 <div class="right-div">
1638   <h3>Enter Category</h3>
1639   <input class = "input-style" type="text" name="
1640     category" placeholder="Product Category">
1641 <hr>
1642 </div>
1643
1643 <div class="left-div">
1644   <h3>Enter Price</h3>
1645   <input class = "input-style" type="text" name="
1646     price" placeholder="Product Price">
1647 <hr>
1648 </div>
1649
1649 <div class="right-div">
1650   <h3>Status</h3>
1651   <select class="input-style" name="status">
1652     <option value="Active">Active</option>
1653     <option value="InActive">InActive</option>
1654   </select>
1655 <hr>
1656 </div>
1657 <button class="button">Save <i class='far fa-arrow-
1658   alt-circle-right'></i></button>
1659 </form>
1660 </body>
1661 <br><br><br>
1662 </body>
1663 </html>
1664
```

```
1702 <%@include file="adminHeader.jsp" %>
1703 <%@include file="../footer.jsp" %>
1704 <html>
1705 <head>
1706 <link rel="stylesheet" href="../css/addNewProduct-
    style.css">
1707 <title>Add New Product</title>
1708 <style>
1709 .back
1710 {
1711     color: white;
1712     margin-left: 2.5%
1713 }
1714 </style>
1715 </head>
1716 <body>
1717 <h2><a class="back" href="allProductEditProduct.
    jsp"><i class='fas fa-arrow-circle-left'> Back</i
    ></a></h2>
1718
1719 <%
1720 String id=request.getParameter("id");
1721 try{
1722 Connection con = ConnectionProvider.getCon();
1723 Statement st=con.createStatement();
1724 ResultSet rs = st.executeQuery("select * from
    products where id='" + id + "'");
1725 while(rs.next()){
1726 %>
1727
1728 <form action="editProductAction.jsp" method="post">
1729 <input type="hidden" name="id" value="<%=id%>">
1730 <div class="left-div">
1731 <h3>Enter Name</h3>
1732 <input class="input-style" type="text" name="name"
    value="<%=rs.getString(2)%>">
1733 <hr>
1734 </div>
1735
1736 <div class="right-div">
1737 <h3>Enter Category</h3>
```

```
1775
1776
1777 34.Edit products action
1778
1779 <%@page import="com.project.ConnectionProvider"%>
1780 <%@ page import="java.sql.*"%>
1781
1782 <%
1783 String id = request.getParameter("id");
1784 String name = request.getParameter("name");
1785 String category = request.getParameter("category");
1786 String price = request.getParameter("price");
1787 String status = request.getParameter("status");
1788
1789 try {
1790     Connection con = ConnectionProvider.getCon();
1791     Statement st = con.createStatement();
1792     st.executeUpdate("update products set name
        ='" + name + "' , category='" + category + "' ,
        price='" + price + "' , status='"
1793         + status + "' where id='" + id + "'");
1794
1795     if (status.equals("InActive")) {
1796         st.executeUpdate("delete from cart where
        product_id='" + id + "' and address is NULL");
1797     }
1798
1799     response.sendRedirect("allProductEditProduct.
        jsp?msg=yes");
1800 } catch (Exception e) {
1801     response.sendRedirect("allProductEditProduct.
        jsp?msg=no");
1802     System.out.println(e);
1803 }
1804 %>
1805
1806
1807
1808 35.Messages received
1809
1810 <%@page import="com.project.ConnectionProvider"%>
```

```
1846 {
1847 %>
1848 <tr>
1849 <td><%=rs.getString(1)%></td>
1850 <td><%=rs.getString(2)%></td>
1851 <td><%=rs.getString(3)%></td>
1852 <td><%=rs.getString(4)%></td>
1853 </tr>
1854 <%
1855 }
1856 }
1857 catch (Exception e){
1858 System.out.println (e) ;
1859 }
1860 %>
1861 </tbody>
1862 </table>
1863 <br>
1864 <br>
1865 <br>
1866
1867 </body>
1868 </html>
1869
1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886 36.0orders received
```



```

1923 {
1924 %>
1925 <h3 class="alert">Some thing went wrong! Try Again
      !</h3>
1926 <%
1927 }
1928 %>
1929
1930 <table id="customers">
1931 <tr>
1932 <th>Mobile Number</th>
1933 <th scope="col">Product Name</th>
1934 <th scope="col">Quantity</th>
1935 <th scope="col"><i class="fa fa-inr"></i> Sub Total
      </th>
1936 <th>Address</th>
1937 <th>City</th>
1938 <th>State</th>
1939 <th>Country</th>
1940 <th scope="col">Order Date</th>
1941 <th scope="col">Expected Delivery Date</th>
1942 <th scope="col">Payment Method</th>
1943 <th scope="col">T-ID</th>
1944 <th scope="col">Status</th>
1945 <th scope="col">Cancel order <i class='fas fa-
      window-close'></i></th>
1946 <th scope="col">Order Delivered <i class='fas fa-
      dolly'></i></i></th>
1947 </tr>
1948 <%
1949 int sno=0;
1950 try
1951 {
1952 Connection con=ConnectionProvider.getCon ();
1953 Statement st=con.createStatement() ;
1954 ResultSet rs=st.executeQuery("select * from cart
      inner join products where cart.product_id=products.
      id and cart.orderDate is not NULL and cart.status='
      processing'");
1955 while(rs.next())
1956 {

```

```

1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004 37.Cancel orders
2005
2006 <%@page import="com.project.ConnectionProvider"%>
2007 <%@ page import="java.sql.*"%>
2008 <%@include file="adminHeader.jsp" %>
2009 <%@include file="../footer.jsp" %>
2010 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
      Transitional//EN" "http://www.w3.org/TR/html4/loose
      .dtd">
2011 <html>
2012 <head>
2013 <link rel="stylesheet" href="../css/ordersReceived-
      style.css">
2014 <title>Home</title>
2015 <style>
2016 .th-style
2017 { width: 25%;}
2018 </style>
2019 </head>
2020 <body>
2021 <div style="color: white; text-align: center; font-
      size: 30px;">Cancel Orders <i class='fas fa-window-
      close'></i></div>
2022
2023 <table id="customers">
2024 <tr>
2025 <th>Mobile Number</th>
2026 <th scope="col">Product Name</th>
2027 <th scope="col">Quantity</th>
2028 <th scope="col"><i class="fa fa-inr"></i> Sub Total

```

```
2065     }
2066 }
2067 catch(Exception e){
2068     System.out.println(e);
2069 }
2070 %>
2071 </table>
2072 <br>
2073 <br>
2074 <br>
2075
2076 </body>
2077 </html>
2078
2079
2080
2081
2082
2083
2084 38.Cancel orders action
2085
2086 <%@page import="com.project.ConnectionProvider" %>
2087 <%@page import= "java.sql.*" %>
2088
2089 <%
2090 String id=request.getParameter("id");
2091 String email=request.getParameter ("email");
2092 String status="Cancel";
2093 try
2094 {
2095 Connection con=ConnectionProvider .getCon ();
2096 Statement st=con.createStatement();
2097 st.executeUpdate("update cart set status='"+status
    +"' where product_id='"+id+"' and email='"+email
    +"' and address is not NULL");
2098 response.sendRedirect("ordersReceived.jsp?msg=
    delivered");
2099 }
2100 catch(Exception e){
2101     System.out.println (e);
2102     response.sendRedirect ("ordersReceived.jsp?msg=
```

```
2137 <th scope="col">Order Date</th>
2138 <th scope="col">Expected Delivery Date</th>
2139 <th scope="col">Payment Method</th>
2140 <th scope="col">T-ID</th>
2141 <th scope="col">Status</th>
2142 </tr>
2143 <%
2144 try
2145 {
2146     Connection con=ConnectionProvider.getCon();
2147     Statement st=con.createStatement();
2148     ResultSet rs=st.executeQuery("select * from
    cart inner join products where cart.product_id=
    products.id and cart.orderDate is not NULL and cart
    .status='delivered'");
2149     while(rs.next())
2150     {
2151 %>
2152
2153 <tr>
2154 <td><%=rs.getString(10) %></td>
2155 <td><%=rs.getString(17) %></td>
2156 <td><%=rs.getString(3) %></td>
2157 <td><i class="fa fa-inr"></i><%=rs.getString(5
    ) %> </td>
2158 <td><%=rs.getString(6) %></td>
2159 <td><%=rs.getString(7) %></td>
2160 <td><%=rs.getString(8) %></td>
2161 <td><%=rs.getString(9) %></td>
2162 <td><%=rs.getString(11) %></td>
2163 <td><%=rs.getString(12) %></td>
2164 <td><%=rs.getString(13) %></td>
2165 <td><%=rs.getString(14) %></td>
2166 <td><%=rs.getString(15) %></td>
2167 </tr>
2168 <%
2169     }
2170 }
2171 catch(Exception e){
2172     System.out.println(e);
2173 }
```

```
2211
2212 Databases
2213
2214 Create Tables:
2215
2216 <%@page import="com.project.ConnectionProvider"%>
2217 <%@ page import="java.sql.*"%>
2218 <%
2219 try {
2220     Connection con = ConnectionProvider.getCon();
2221     Statement st = con.createStatement();
2222     String q1 = "create table users(name varchar(50
), email varchar(100) primary key, mobilenumber
bigint, securityQuestion varchar(200), answer
varchar(200), password varchar(200), address
varchar(500), city varchar(100), state varchar(100
), country varchar(100))";
2223     System.out.println(q1);
2224     String q2 = "create table products(id int, name
varchar(100), category varchar(100), price int,
status varchar(50))";
2225     System.out.println(q2);
2226     String q3="create table cart(email varchar(100
), product_id int, quantity int, price int, total
int, address varchar(200), city varchar(100), state
varchar(100), country varchar(100), mobileNumber
bigint, orderDate varchar(100), deliveryDate
varchar(100), paymentMethod varchar(100),
transactionID varchar(100), status varchar(100))";
2227     System.out.println(q3);
2228     String q4="create table message(id int
AUTO_INCREMENT, email varchar(100), subject varchar
(100), body varchar(2000), PRIMARY KEY(id))";
2229     System.out.println(q4);
2230     //st.execute(q1);
2231     //st.execute(q2);
2232     //st.execute(q3);
2233     st.execute(q4);
2234     System.out.println("Table Created");
2235     con.close();
2236 } catch (Exception e) {
```

SOURCE CODE

```
New Text Document - Notepad
File Edit Format View Help
> sudo chmod 777 /var/run/docker.sock

4. FOR INITIAL CREDENTIALS AND BASIC SETUP
-----

1. CLICK ON INSTALL SUGGESTED PLUGINS
2. PROVIDE YOUR CREDENTIALS
3. WELCOME TO JENKINS
4. MANAGE PLUGINS>INSTALL SUGGESTED PLUGINS>AVAILABLE PLUGINS>MAVEN INTEGRATION >CLICK ON INSTALL WITHOUT RESTART

5. PREPARE FREESTYLE PROJECT(CI-CONTINUOUS INTEGRATION)
-----
1. GOTO>DASHBOARD>create>new job>select free style project>give any name>click on ok
2. give description
3. source code management
   GIT:
   URL:https://github.com/Nikunj-Java/docker_master.git
   BRANCHES TO BUILD: */master or */main
4. Build trigger
   Poll SCM
   H/2 * * * *
5. click on apply and save

6. Build The project

6. AFTER JENKINS INSTALLATION
-----
1. Got to manage jenkins>>configure clouds and install docker and docker pipeline.
2. Create a freestyle project and go to advanced pipeline.
3. Integrate github and docker hub repository credentials.

7. DEPLOYMENT OF SPRING BOOT APPLICATION
-----
1. Goto public_ip_address of AWS EC2 instance and move to port 9090 to access its API CRUD Operations using Postman and Swagger-UI.

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File Edit Format View Help
STEP:6 JENKINS INSTALLATION
*****

-----

> curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee /usr/share/keyrings/jenkins-keyring.asc > /dev/null

> echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] https://pkg.jenkins.io/debian-stable binary/ | sudo tee /etc/apt/sources.list.d/jenkins.list >

> sudo apt-get update

> sudo apt-get install jenkins

1. TO START WITH JENKINS
-----

> sudo service jenkins start

> sudo service jenkins status

CONNECT: GOTO>AWS>EC2>copy public ip address of your instance:8080 on browser and hit enter

2. TO GENERATE SECRET PASSWORD
-----
> sudo cat /var/lib/jenkins/secrets/initialAdminPassword

3. TO GIVE PERMISSION FOR ALL
-----

> sudo chmod 777 /var/run/docker.sock

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```

```
New Text Document - Notepad
File Edit Format View Help
3. TO LIST THE DOCKER IMAGES
-----
> sudo docker images

4. TO DEPLOY A DOCKER IMAGE
-----
> docker build -t <docker_image>

> docker run -p 9090:8082 <docker_image>

STEP:4 INSTALL JDK
*****
> sudo apt-get update
> sudo apt install default-jdk -y

to verify the installation

> java --version
*****
STEP:5 MAVEN INSTALLTION
*****

> sudo apt-get update
> sudo apt install maven -y
*****
STEP:6 JENKINS INSTALLATION
*****

> curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee /usr/share/keyrings/jenkins-keyring.asc > /dev/null

link:https://docs.docker.com/engine/install/ubuntu/
-----

> sudo apt-get update

> sudo apt-get install ca-certificates curl gnupg lsb-release

> sudo mkdir -m 0755 -p /etc/apt/keyrings
> curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

> echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" |

> sudo apt-get update

> sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

1. TO VERIFY THE INSTALLTION
-----

> sudo docker -v
      OUTPUT:Docker version 23.0.1, build a5ee5b1
> sudo docker --version

> sudo docker info

2. TO LIST DOCKER CONTAINERS
-----
> sudo docker container ls

3. TO LIST THE DOCKER IMAGES
-----
> sudo docker images

4. TO DEPLOY A DOCKER IMAGE
-----
```