

CAPSTONE PROJECT [FOODBOX]

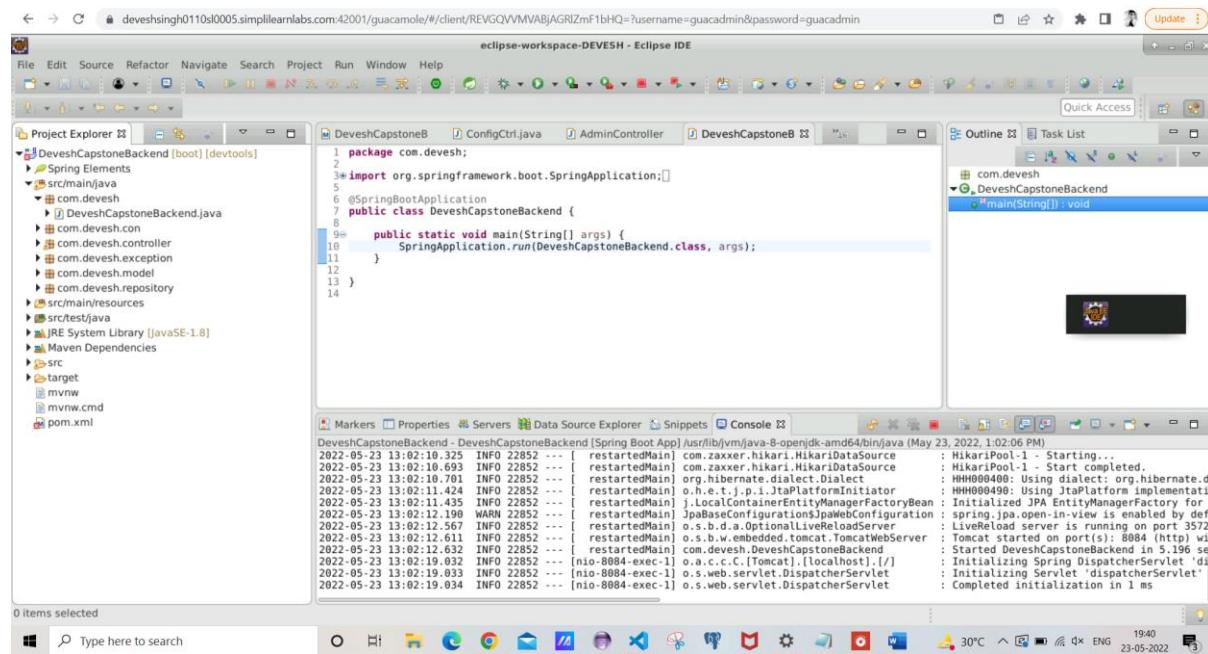
NAME – DEVESH SINGH

BIT MESRA, 2018-2022

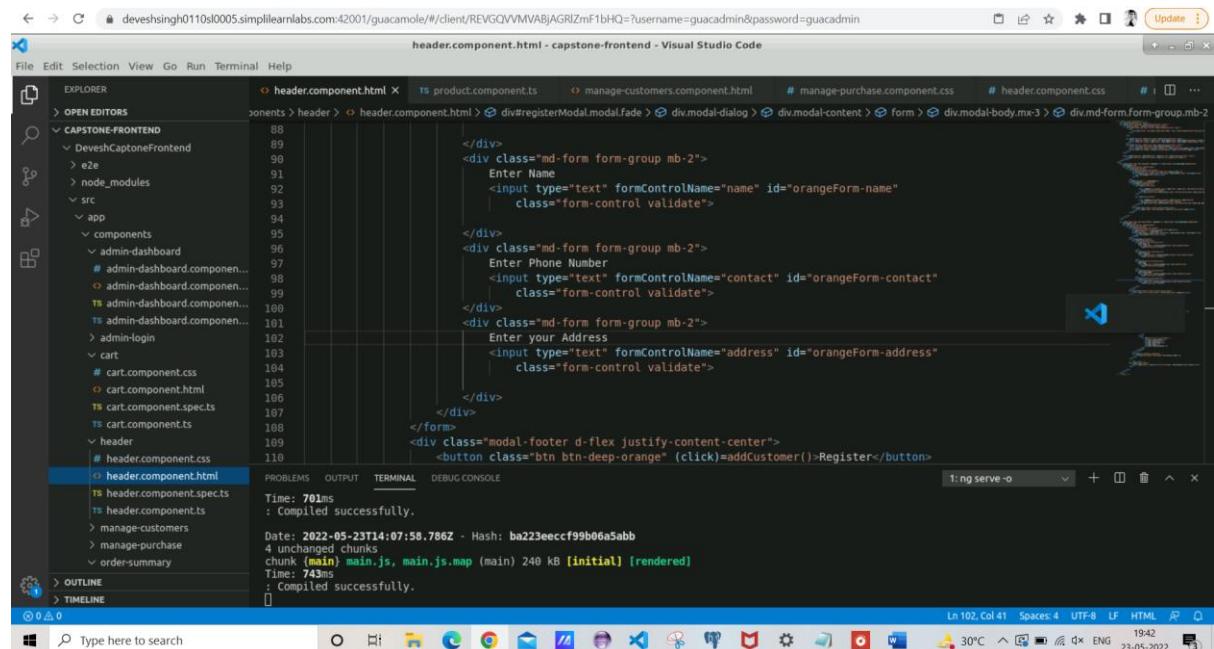
PROJECT OUTPUTS

(https://github.com/Devesh0110/Project_Capstone_Devesh)

Webservice Running



Frontend Running



```
<div class="md-form form-group mb-2">
    Enter Name
    <input type="text" formControlName="name" id="orangeForm-name"
        class="form-control validate">
</div>
<div class="md-form form-group mb-2">
    Enter Phone Number
    <input type="text" formControlName="contact" id="orangeForm-contact"
        class="form-control validate">
</div>
<div class="md-form form-group mb-2">
    Enter your Address
    <input type="text" formControlName="address" id="orangeForm-address"
        class="form-control validate">
</div>
</form>
<div class="modal-footer d-flex justify-content-center">
    <button class="btn btn-deep-orange" (click)=addCustomer()>Register</button>
</div>
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Time: 701ms : Compiled successfully.

Date: 2022-05-23T14:07:58.786Z - Hash: bae223eeccf99b06a5abb

4 unchanged chunks

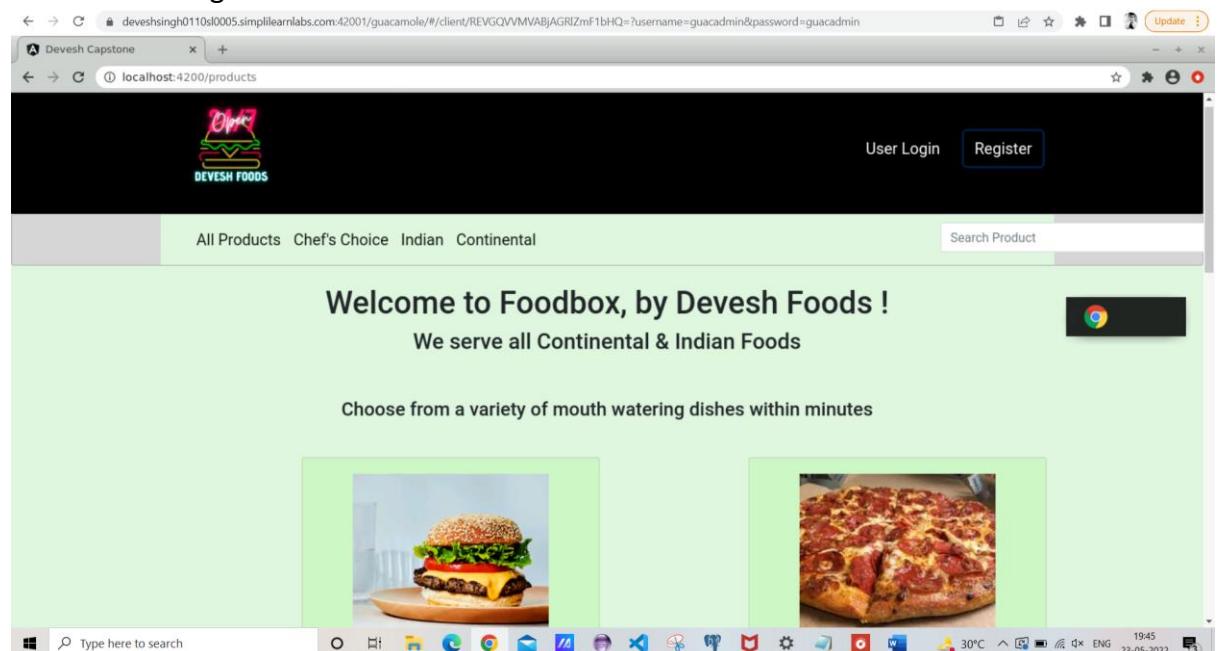
chunk {main} main.js, main.js.map (main) 240 kB [initial] [rendered]

Time: 743ms : Compiled successfully.

Ln 102, Col 41 Spaces: 4 UTF-8 LF HTML 1942 30°C ⚡ 4x ENG 23-05-2022

A. USER PERSPECTIVE

1. Default First Page



Devesh Capstone

localhost:4200/products



Devesh's Special Burger
Double Cheese with Mayo
Price: Rs. 294.5

Add to Cart



Devesh's Extra Cheese Pizza
Cheese burst
Price: Rs. 200.9

Add to Cart

Type here to search

Devesh Capstone

localhost:4200/products



Paneer Curry (Special Flavor)
Without Butter
Price: Rs. 176.4

Add to Cart



Chole Bhature [2 pcs]
Cheese Included
Price: Rs. 100

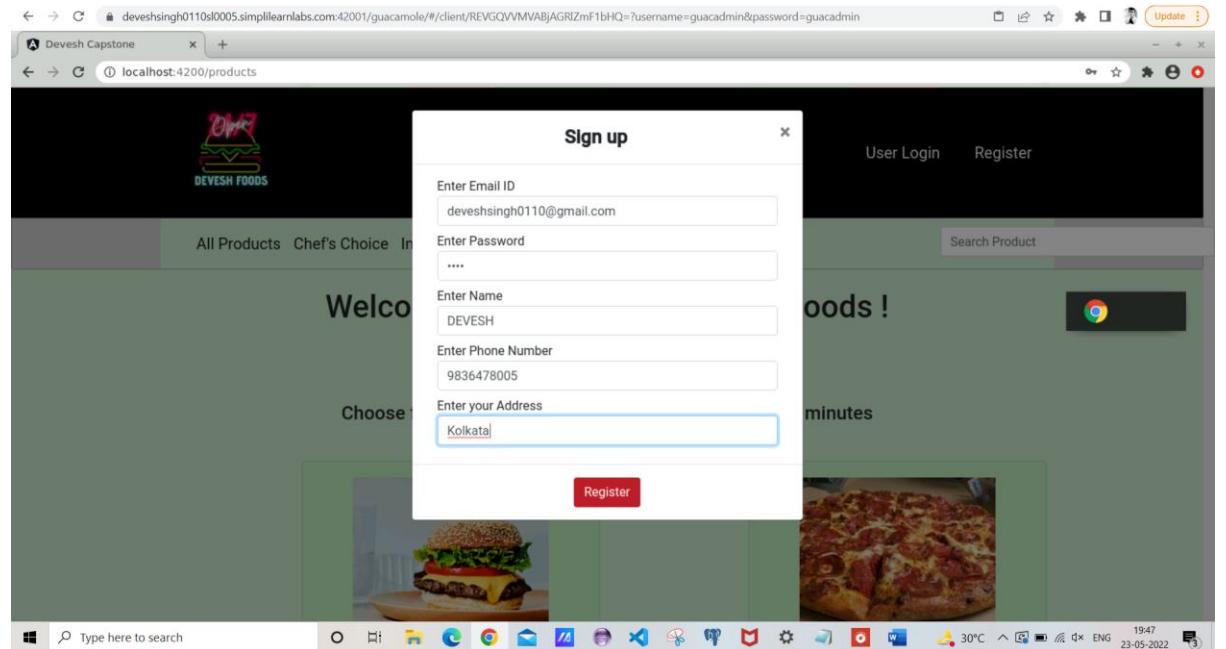
Add to Cart

CONTACT US FOLLOW US ADMIN LOGIN TERMS & CONDITIONS

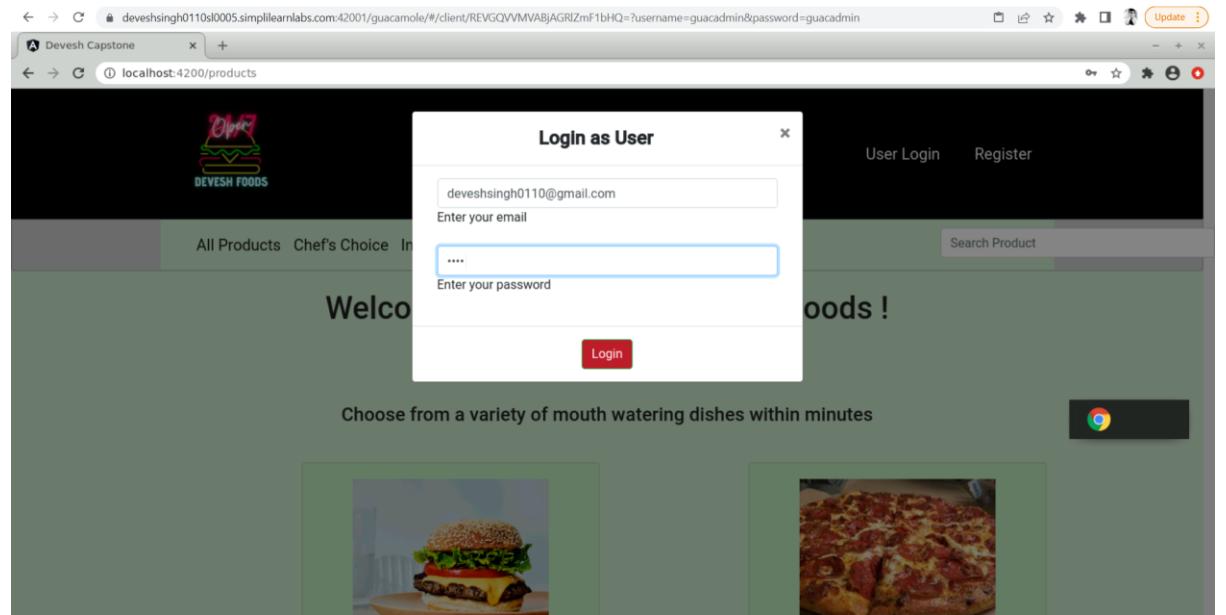
CAPSTONE PROJECT, DEVESH SINGH

Type here to search

2. Register as a new User



3. View after Login, post Registration



deveshsingh0110sl0005.simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacadmin

Devesh Capstone

localhost:4200/products

User Session Active

My Orders Logout

Cart

All Products Chef's Choice Indian Continental

Search Product

Welcome to Foodbox, by Devesh Foods !

We serve all Continental & Indian Foods



Choose from a variety of mouth watering dishes within minutes



Plain Naan

Serves 1

Price: Rs. 100

Add to Cart



Baked Fish [Garnished Lavishly]

Best Seller in Continental

Price: Rs. 850

Add to Cart



Paneer Curry (Special Flavor)

Without Butter

Price: Rs. 176.4

Add to Cart



Chole Bhature [2 pcs]

Cheese Included

Price: Rs. 100

Add to Cart

CONTACT US

FOLLOW US

ADMIN LOGIN

TERMS & CONDITIONS

CAPSTONE PROJECT, DEVESH SINGH



4. Filtering Products as Indian

The screenshot shows a web browser displaying the 'Foodbox' website. At the top, there is a navigation bar with links for 'All Products', 'Chef's Choice', 'Indian', and 'Continental'. A search bar labeled 'Search Product' is also present. On the right side of the header, there are links for 'User Session Active', 'My Orders', 'Logout', and a shopping cart icon. Below the header, a welcome message reads 'Welcome to Foodbox, by Devesh Foods !' and 'We serve all Continental & Indian Foods'. A sub-headline says 'Choose from a variety of mouth watering dishes within minutes'. Two images of Indian dishes are shown: a stack of rotis and a bowl of Chole Bhature. An 'Add to Cart' button is visible above the Chole Bhature image. At the bottom of the page, there are links for 'CONTACT US', 'FOLLOW US', 'ADMIN LOGIN', and 'TERMS & CONDITIONS'. The footer contains the text 'CAPSTONE PROJECT, DEVESH SINGH'.

5. Searching for a specific product

Screenshot of a web browser showing a search result for "Baked Fish" on a food delivery platform.

The browser title bar shows "Devesh Capstone" and the URL "localhost:4200/products".

The search results page header includes a navigation bar with "All Products", "Chef's Choice", "Indian", and "Continental" categories, and a search input field containing "Baked Fish".

The main content area features a welcome message: "Welcome to Foodbox, by Devesh Foods ! We serve all Continental & Indian Foods". Below it is a promotional text: "Choose from a variety of mouth watering dishes within minutes".

A product card for "Baked Fish [Garnished Lavishly]" is displayed, showing a image of the dish, the product name, and the status "Best Seller in Continental". A "Price: Rs. 765" label is partially visible above a red "Add to Cart" button. The card has a light green background.

Below the card, there is another identical product listing for "Baked Fish [Garnished Lavishly]" with the same details and a "Price: Rs. 765" label.

The footer of the page contains links: "CONTACT US", "FOLLOW US", "ADMIN LOGIN", and "TERMS & CONDITIONS". It also includes the text "CAPSTONE PROJECT, DEVESH SINGH".

6. Adding Naan and Paneer Curry to the cart

Screenshot of the product listing page:

The screenshot shows a list of food items. The first item is "Plain Naan" which serves 1 person at Rs. 100. The second item is "Baked Fish [Garnished Lavishly]" which is a best seller in the continental category at Rs. 850.

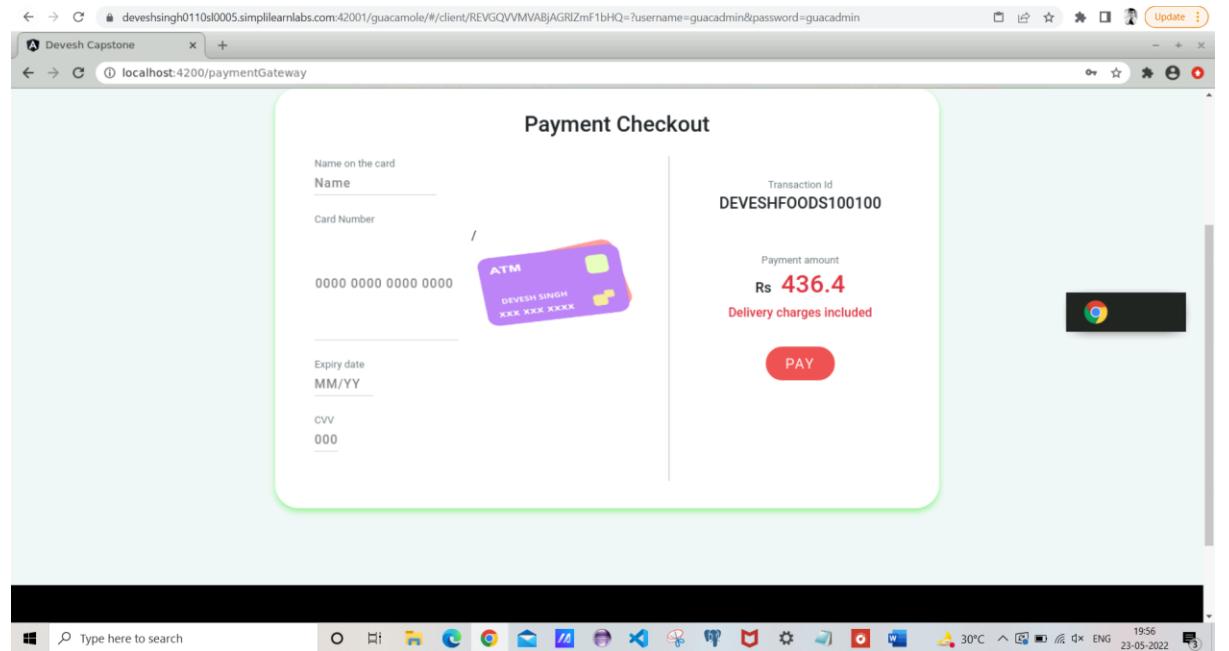
Screenshot of the product details page for Plain Naan:

The screenshot shows the product details for "Plain Naan". It includes a photo of the flatbread, serving information, price, and an "Add to Cart" button. A success message "Product added to cart, View cart to Checkout" with an "Ok" button is displayed.

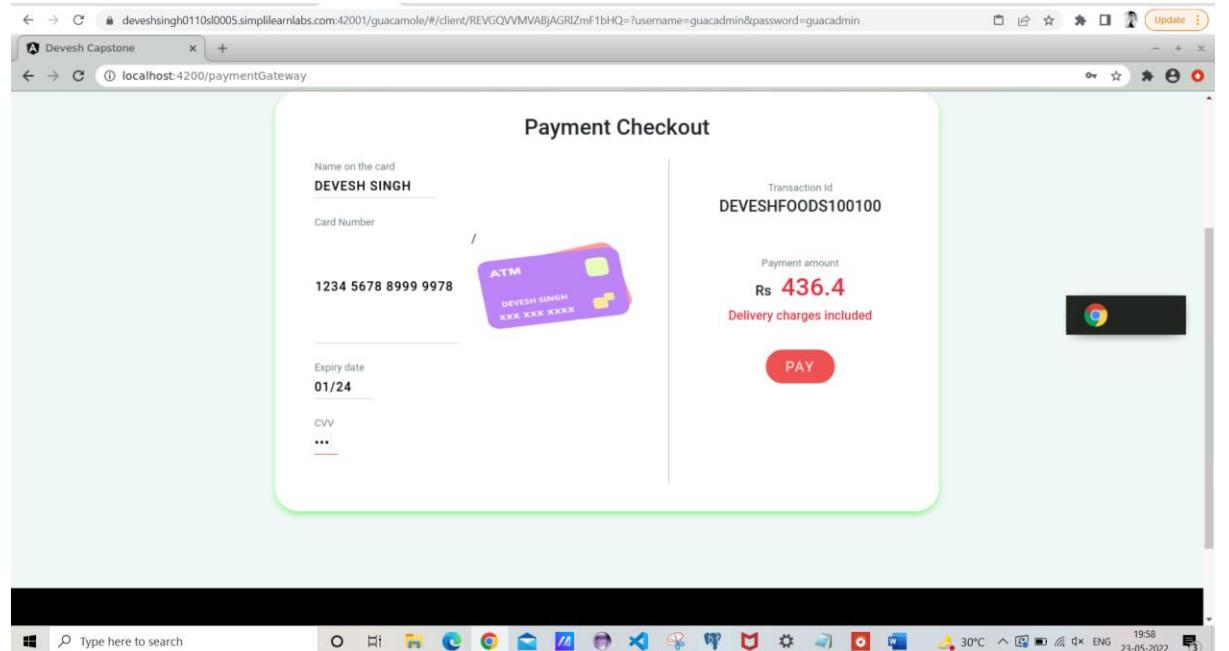
Screenshot of the shopping cart page:

The screenshot shows the shopping cart interface. It lists two items: "Paneer Curry (Special Flavor)" and "Plain Naan". The total amount is Rs 376.4. Buttons for "Empty Cart", "Shop More", "CheckOut", and "Grand Total : Rs 376.4" are visible. A note "Delivery charges will be applied" is present.

7. After clicking checkout



8. Entering Card Details [Payment Gateway]



9. After clicking on Pay Button, Receipt Generated

Screenshot showing the order confirmation page and receipt generated after clicking the Pay button.

The top browser window shows the order summary page with the following details:

| Order Date | Transaction Id | Payment | Shipping Address |
|------------|-------------------|---------|------------------|
| 5/23/22 | DEVESHFOODS100100 | Card | Kolkata |

The order items listed are:

| Item | Description | Price |
|-------------------------------|-------------|----------|
| Paneer Curry (Special Flavor) | Indian | Rs 176.4 |
| Plain Naan | Indian | Rs 200 |

The total amount is Rs 436.4.

The bottom browser window shows the receipt page with the following details:

| Subtotal | Rs 376.4 |
|------------------|----------|
| Delivery Charges | Rs 20 |
| Total | Rs 436.4 |

Thanks for choosing Devesh Foods!

Buttons: Shop More

Page footer:

- CONTACT US
- FOLLOW US
- ADMIN LOGIN
- TERMS & CONDITIONS

CAPSTONE PROJECT, DEVESH SINGH

10. After Clicking on My orders, list of ordered products visible

The screenshot shows a web browser window with the URL `localhost:4200/orderSummary`. The page has a dark header with the 'DEVESHS FOODS' logo, a 'User Session Active' indicator, a 'My Orders' button, and a 'Logout' link. On the right, there's a shopping cart icon labeled 'Cart'. A central message box says 'Your order has been confirmed!' followed by 'Hello, DEVESH' and a note that the order is being assigned to a delivery person. Below this, it shows the order details: Order Date 5/23/22, Transaction Id DEVESHFOODS100100, Payment method (indicated by a flag icon), and Shipping Address Kolkata. Two menu items are listed: 'Paneer Curry (Special Flavor)' at Rs 176.4 and 'Plain Naan' at Rs 200. Both items have small thumbnail images and the word 'Indian' below them. At the bottom, a 'Previous Orders' modal is open, listing the same two items with their respective details. The browser taskbar at the bottom shows various pinned icons and the system tray indicates a temperature of 30°C and a date of 23-05-2022.

Your order has been confirmed!

Hello, DEVESH

You order has been confirmed and we are assigning a delivery person

| Order Date | Transaction Id | Payment | Shipping Address |
|------------|-------------------|-----------|------------------|
| 5/23/22 | DEVESHFOODS100100 | Flag icon | Kolkata |

Paneer Curry (Special Flavor) **Rs 176.4**
Indian

Plain Naan **Rs 200**
Indian

Previous Orders

| Product Name | Quantity | Cost | Purchase Date | Transaction Id |
|-------------------------------|----------|-------|---------------|-------------------|
| Plain Naan | 2 | 200 | 2022-05-23 | DEVESHFOODS100100 |
| Paneer Curry (Special Flavor) | 1 | 176.4 | 2022-05-23 | DEVESHFOODS100100 |

Order Date: 5/23/22 | Transaction Id: DEVESHFOODS100100 | Payment: [Flag Icon] | Shipping Address: Kolkata

Paneer Curry (Special Flavor) **Rs 176.4**
Indian

Plain Naan **Rs 200**
Indian

11. Database View post order placement

The screenshot shows the MySQL Workbench interface with the database 'sampledb' selected. In the left sidebar, under the 'SCHEMAS' section, the 'phase3projectdevesh' schema is expanded, showing tables like 'admin', 'cart', 'customer', 'product', and 'purchase'. A query window titled 'Query 1' contains the command 'show tables in deveshfinal;'. The result grid displays five tables: admin, cart, customer, product, and purchase. An action output panel at the bottom shows the execution details.

| # | Tables_in_deveshfinal |
|---|-----------------------|
| 1 | admin |
| 2 | cart |
| 3 | customer |
| 4 | product |
| 5 | purchase |

Action Output:

| Time | Action | Message |
|----------|----------------------------|-------------------|
| 18:00:59 | show tables in deveshfinal | 5 row(s) returned |

The screenshot shows the MySQL Workbench interface with the database 'sampledb' selected. In the left sidebar, under the 'SCHEMAS' section, the 'phase3projectdevesh' schema is expanded, showing tables like 'customer', 'product', and 'purchase'. A query window titled 'Query 1' contains the command 'select * from deveshfinal.customer;'. The result grid displays one row of data for the 'customer' table. An action output panel at the bottom shows the execution details for three queries.

| # | email | address | contact | name | password |
|---|--------------------|---------|------------|--------|----------|
| 1 | devesh11@gmail.com | kolkata | 9839899999 | devesh | 1234 |
| * | HULL | HULL | HULL | HULL | HULL |

Action Output:

| Time | Action | Message |
|----------|--|-------------------|
| 18:00:59 | show tables in deveshfinal | 5 row(s) returned |
| 18:01:44 | select * from deveshfinal.customer LIMIT 0, 1000 | 1 row(s) returned |
| 18:03:37 | select * from deveshfinal.customer LIMIT 0, 1000 | 1 row(s) returned |

(USER DATA)

The screenshot shows the MySQL Workbench interface. In the left sidebar, under 'SCHEMAS', the 'sampledb' schema is selected. In the main area, a query window titled 'Query 1' contains the SQL command: `select * from deveshfinal.purchase;`. The result grid displays one row of data:

| # | id | dop | productname | quantity | totalcost | transactionid | customer_email |
|---|--------|------------|---------------|----------|-----------|------------------|--------------------|
| 1 | 964451 | 2022-05-21 | Elote de Corn | 1 | 167.4 | DEVESHOODS100100 | devesh11@gmail.com |
| * | HULL | HULL | HULL | HULL | HULL | HULL | HULL |

(ORDER INFORMATION)

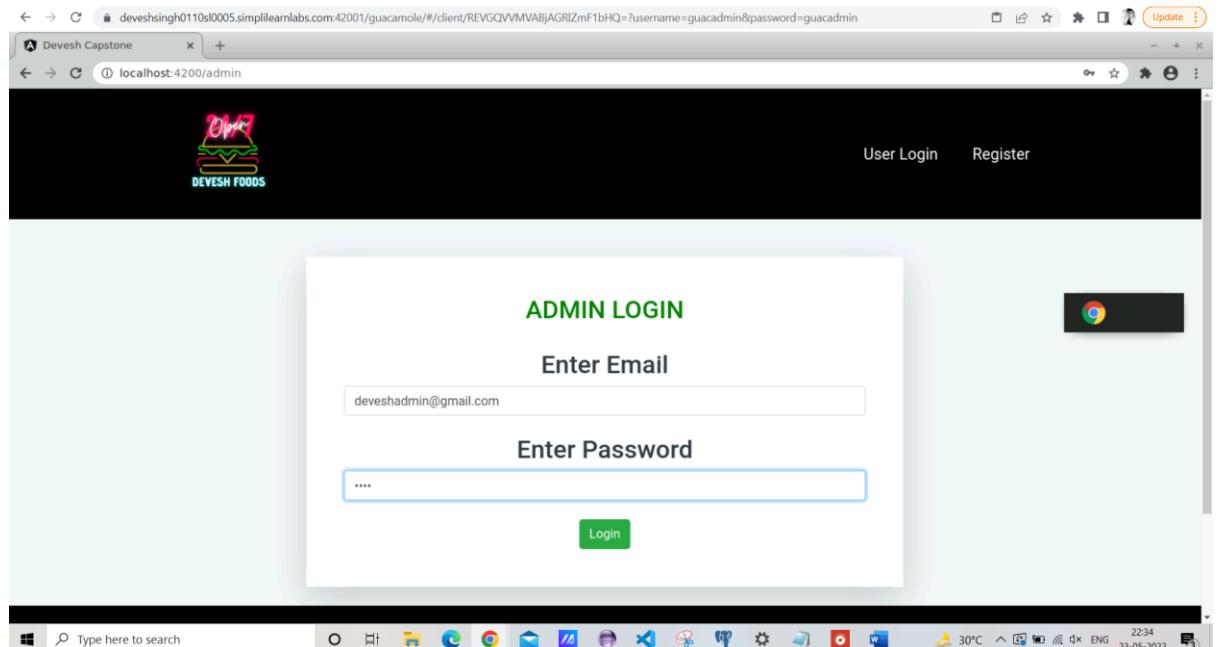
B. ADMIN PERSPECTIVE

1. Login as Admin

The screenshot shows a web browser displaying a product listing page. The URL is `localhost:4200/products`. The page lists two items:

- Paneer Curry (Special Flavor)**
Without Butter
Price: Rs. 176.4
[Add to Cart](#)
- Chole Bhature [2 pcs]**
Cheese Included
Price: Rs. 100
[Add to Cart](#)

At the bottom of the page, there are links for **CONTACT US**, **FOLLOW US**, **ADMIN LOGIN**, and **TERMS & CONDITIONS**. The footer also includes the text **CAPSTONE PROJECT, DEVESH SINGH**.



(I have set the admin password as 1234 by default)

2. Admin Dashboard

| Name | Description | Category | Price | % Discount | Actual Price(After Discount) | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|----------|------------|------------------------------|--------------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental | Rs. 310 | 5% | Rs. 294.5 |/assets/images/burger.jpg | Update Delete |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian | Rs. 205 | 2% | Rs. 200.9 |/assets/images/pizza.jpeg | Update Delete |
| Plain Naan | Serves 1 | Indian | Rs. 100 | 0% | Rs. 100 |/assets/images/naan.jpeg | Update Delete |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental | Rs. 1000 | 15% | Rs. 850 |/assets/images/fish.jpeg | Update Delete |
| Paneer Curry (Special Flavor) | Without Butter | Indian | Rs. 180 | 2% | Rs. 176.4 |/assets/images/paneer.jpeg | Update Delete |

3. Admin can **Update** Product. Here, Editing the price of **Baked Fish**

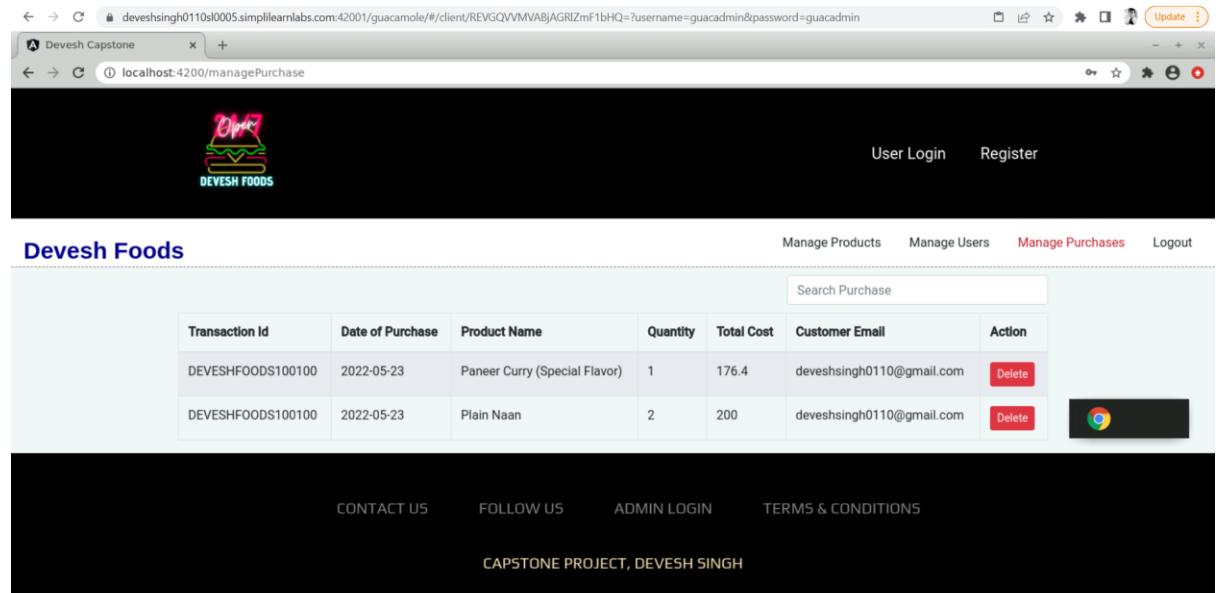
a.

| Name | Description | Category | Price | Discount | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|-------|----------|----------------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental | 900 | 15 | ./assets/images/burger.jpg | <button>Update</button> <button>Delete</button> |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian | 850 | 10 | ./assets/images/pizza.jpeg | <button>Update</button> <button>Delete</button> |
| Plain Naan | Serves 1 | Indian | 150 | 0 | ./assets/images/naan.jpeg | <button>Update</button> <button>Delete</button> |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental | 900 | 15 | ./assets/images/fish.jpeg | <button>Update</button> <button>Delete</button> |
| Paneer Curry (Special Flavor) | Without Butter | Indian | 750 | 0 | ./assets/images/paneer.jpeg | <button>Update</button> <button>Delete</button> |
| Chole Bhature [2 pcs] | Cheese Included | Indian | 600 | 0 | ./assets/images/cholebhature.jpg | <button>Update</button> <button>Delete</button> |

b. Changes can be seen on the frontend as well

| Product | Image | Name | Description | Price |
|---------------------------------|-------|---------------------------------|----------------------------|---------|
| Plain Naan | | Plain Naan | Serves 1 | Rs. 100 |
| Baked Fish [Garnished Lavishly] | | Baked Fish [Garnished Lavishly] | Best Seller in Continental | Rs. 765 |

4. Admin is able to see user's orders

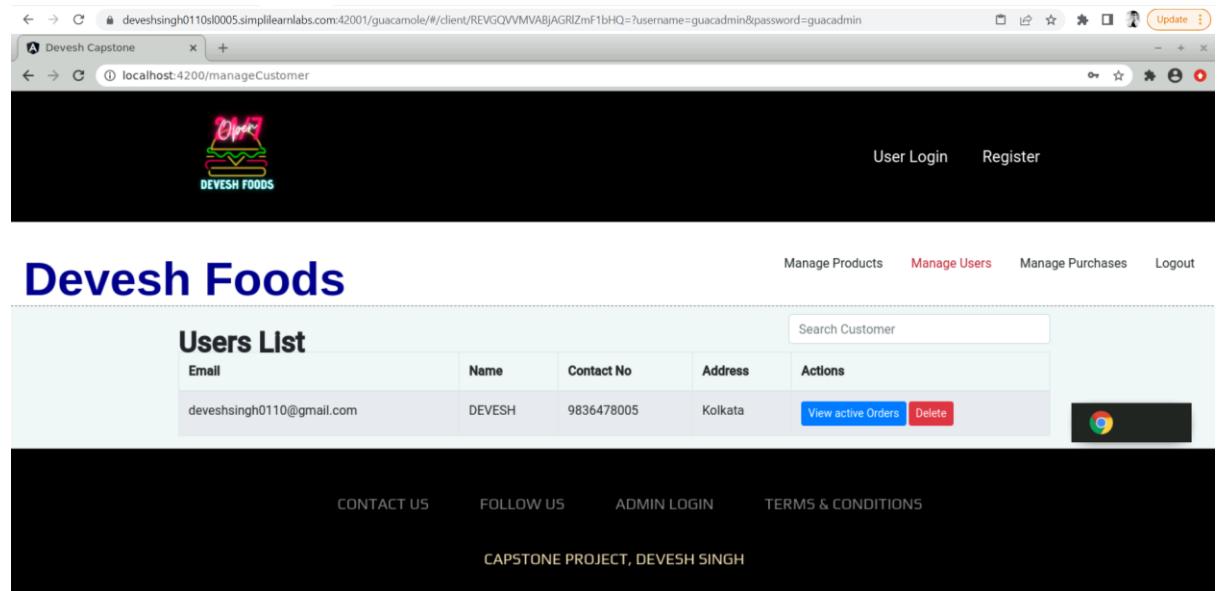


The screenshot shows a web browser window for 'Devesh Capstone' at 'localhost:4200/managePurchase'. The page title is 'Devesh Foods'. At the top right are links for 'User Login', 'Register', 'Manage Products', 'Manage Users', 'Manage Purchases' (which is highlighted in red), and 'Logout'. Below this is a search bar labeled 'Search Purchase'. A table lists two purchases:

| Transaction Id | Date of Purchase | Product Name | Quantity | Total Cost | Customer Email | Action |
|--------------------|------------------|-------------------------------|----------|------------|---------------------------|-------------------------|
| DEVESHEFOODS100100 | 2022-05-23 | Paneer Curry (Special Flavor) | 1 | 176.4 | deveshsingh0110@gmail.com | <button>Delete</button> |
| DEVESHEFOODS100100 | 2022-05-23 | Plain Naan | 2 | 200 | deveshsingh0110@gmail.com | <button>Delete</button> |

At the bottom of the page are links for 'CONTACT US', 'FOLLOW US', 'ADMIN LOGIN', and 'TERMS & CONDITIONS'. A 'CAPSTONE PROJECT, DEVESH SINGH' footer is also present.

5. Admin can see the user list



The screenshot shows a web browser window for 'Devesh Capstone' at 'localhost:4200/manageCustomer'. The page title is 'Devesh Foods'. At the top right are links for 'User Login', 'Register', 'Manage Products', 'Manage Users' (highlighted in red), 'Manage Purchases', and 'Logout'. Below this is a search bar labeled 'Search Customer'. A table lists one user:

| Email | Name | Contact No | Address | Actions |
|---------------------------|--------|------------|---------|---|
| deveshsingh0110@gmail.com | DEVESH | 9836478005 | Kolkata | <button>View active Orders</button> <button>Delete</button> |

At the bottom of the page are links for 'CONTACT US', 'FOLLOW US', 'ADMIN LOGIN', and 'TERMS & CONDITIONS'. A 'CAPSTONE PROJECT, DEVESH SINGH' footer is also present.

6. Admin can Add a Product

Screenshot 1: Admin Dashboard - Listed Products on User-End

| Name | Description | Category | Price | % Discount | Actual Price(After Discount) | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|---------|------------|------------------------------|-----------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental | Rs. 310 | 5% | Rs. 294.5 | ./assets/images/burger.jpg | Update Delete |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian | Rs. 205 | 2% | Rs. 200.9 | ./assets/images/pizza.jpeg | Update Delete |
| Plain Naan | Serves 1 | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/naan.jpeg | Update Delete |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental | Rs. 900 | 15% | Rs. 765 | ./assets/images/fish.jpeg | Update Delete |
| Paneer Curry (Special Flavor) | Without Butter | Indian | Rs. 180 | 2% | Rs. 176.4 | ./assets/images/paneer.jpeg | Update Delete |

Screenshot 2: Admin Dashboard - Product Details Form

Product Details

| | |
|--------------|---|
| Name | Salad with Pasta |
| Description | Extra Mayo |
| Category | Italian |
| Price | 200 |
| Discount | 5 |
| Availability | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Image Link | (Empty input field) |

localhost:4200 says
Product Added Successfully

Devesh Foods

Listed Products on

Add Product

| Name | Description | Category | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|--------------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental |/assets/images/burger.jpg | <button>Update</button> <button>Delete</button> |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian |/assets/images/pizza.jpeg | <button>Update</button> <button>Delete</button> |
| Plain Naan | Serves 1 | Indian |/assets/images/naan.jpeg | <button>Update</button> <button>Delete</button> |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental |/assets/images/fish.jpeg | <button>Update</button> <button>Delete</button> |
| Paneer Curry (Special Flavor) | Without Butter | Indian |/assets/images/paneer.jpeg | <button>Update</button> <button>Delete</button> |

Added Product is visible on the Frontend
[I have placed all Italian Products as Chef's Choice]

All Products **Chef's Choice** Indian Continental Search Product

Welcome to Foodbox, by Devesh Foods !
We serve all Continental & Indian Foods

Choose from a variety of mouth watering dishes within minutes




Salad with Pasta
Extra Mayo
Price: Rs. 190

Devesh's Extra Cheese Pizza
Cheese burst
Price: Rs. 200.9

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7. Admin can Delete a product (Deleting Salad with Pasta Product)

| Name | Description | Category | Price | % Discount | Actual Price(After Discount) | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|---------|------------|------------------------------|-----------------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental | Rs. 310 | 5% | Rs. 294.5 | ./assets/images/burger.jpg | Update Delete |
| Salad with Pasta | Extra Mayo | Italian | Rs. 200 | 5% | Rs. 190 | ./assets/images/pastaSalad.jpg | Update Delete |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian | Rs. 205 | 2% | Rs. 200.9 | ./assets/images/pizza.jpeg | Update Delete |
| Plain Naan | Serves 1 | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/naan.jpeg | Update Delete |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental | Rs. 900 | 15% | Rs. 765 | ./assets/images/fish.jpeg | Update Delete |
| Paneer Curry (Special Flavor) | Without Butter | Indian | Rs. 180 | 2% | Rs. 176.4 | ./assets/images/paneer.jpeg | Update Delete |
| Chole Bhature [2 pcs] | Cheese Included | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/cholebhature.jpeg | Update Delete |

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localhost:4200 says
Product Deleted

Listed Products on User-End

Add Product

| Name | Description | Category | Price | % Discount | Actual Price(After Discount) | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|---------|------------|------------------------------|----------------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental | Rs. 310 | 5% | Rs. 294.5 | ./assets/images/burger.jpg | Update Delete |
| Salad with Pasta | Extra Mayo | Italian | Rs. 200 | 5% | Rs. 190 | ./assets/images/pastaSalad.jpg | Update Delete |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian | Rs. 205 | 2% | Rs. 200.9 | ./assets/images/pizza.jpeg | Update Delete |
| Plain Naan | Serves 1 | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/naan.jpeg | Update Delete |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental | Rs. 900 | 15% | Rs. 765 | ./assets/images/fish.jpeg | Update Delete |
| Paneer Curry (Special Flavor) | Without Butter | Indian | Rs. 180 | 2% | Rs. 176.4 | ./assets/images/paneer.jpeg | Update Delete |
| Chole Bhature [2 pcs] | Cheese Included | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/cholebhature.jpg | Update Delete |

[CONTACT US](#) [FOLLOW US](#) [ADMIN LOGIN](#) [TERMS & CONDITIONS](#)

Listed Products on User-End

Add Product

| Name | Description | Category | Price | % Discount | Actual Price(After Discount) | Image-Path | Actions |
|---------------------------------|----------------------------|-------------|---------|------------|------------------------------|----------------------------------|---|
| Devesh's Special Burger | Double Cheese with Mayo | Continental | Rs. 310 | 5% | Rs. 294.5 | ./assets/images/burger.jpg | Update Delete |
| Devesh's Extra Cheese Pizza | Cheese burst | Italian | Rs. 205 | 2% | Rs. 200.9 | ./assets/images/pizza.jpeg | Update Delete |
| Plain Naan | Serves 1 | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/naan.jpeg | Update Delete |
| Baked Fish [Garnished Lavishly] | Best Seller in Continental | Continental | Rs. 900 | 15% | Rs. 765 | ./assets/images/fish.jpeg | Update Delete |
| Paneer Curry (Special Flavor) | Without Butter | Indian | Rs. 180 | 2% | Rs. 176.4 | ./assets/images/paneer.jpeg | Update Delete |
| Chole Bhature [2 pcs] | Cheese Included | Indian | Rs. 100 | 0% | Rs. 100 | ./assets/images/cholebhature.jpg | Update Delete |

[CONTACT US](#) [FOLLOW US](#) [ADMIN LOGIN](#) [TERMS & CONDITIONS](#)

CAPSTONE PROJECT, DEVESH SINGH

Product Deleted from Frontend as well

Screenshot of the Foodbox website showing the homepage and a product detail page.

Homepage:

- The header features the "DEVESHE FOODS" logo with a stylized "D" and "F" icon.
- Navigation links include "User Login" and "Register".
- Category links: All Products, Chef's Choice, Indian, Continental.
- A search bar: "Search Product".
- The main content area displays the message: "Welcome to Foodbox, by Devesh Foods ! We serve all Continental & Indian Foods".
- A sub-message: "Choose from a variety of mouth watering dishes within minutes".
- A thumbnail image of a pizza.

Product Detail Page:

 - The product is "Devesh's Extra Cheese Pizza".
 - Description: "Cheese burst".
 - Price: Rs. 200.9.
 - An "Add to Cart" button.

Footer:

 - Links: CONTACT US, FOLLOW US, ADMIN LOGIN, TERMS & CONDITIONS.
 - Text: CAPSTONE PROJECT, DEVESH SINGH

8. Admin can Delete Past Orders which have been delivered

| Transaction Id | Date of Purchase | Product Name | Quantity | Total Cost | Customer Email | Action |
|------------------|------------------|-------------------------------|----------|------------|---------------------------|-------------------------|
| DEVESHOODS100100 | 2022-05-23 | Paneer Curry (Special Flavor) | 1 | 176.4 | deveshsingh0110@gmail.com | <button>Delete</button> |
| DEVESHOODS100100 | 2022-05-23 | Plain Naan | 2 | 200 | deveshsingh0110@gmail.com | <button>Delete</button> |

Devesh Foods

Manage Products Manage Users Manage Purchases Logout

Users List

Search Purchase

CONTACT US FOLLOW US ADMIN LOGIN TERMS & CONDITIONS

CAPSTONE PROJECT, DEVESH SINGH

localhost:4200 says
Purchase Deleted

OK

User Login Register

Devesh Foods

Manage Products Manage Users Manage Purchases Logout

Users List

Search Purchase

CONTACT US FOLLOW US ADMIN LOGIN TERMS & CONDITIONS

CAPSTONE PROJECT, DEVESH SINGH

localhost:4200 says
Purchase Deleted

OK

User Login Register

Devesh Foods

Manage Products Manage Users Manage Purchases Logout

Users List

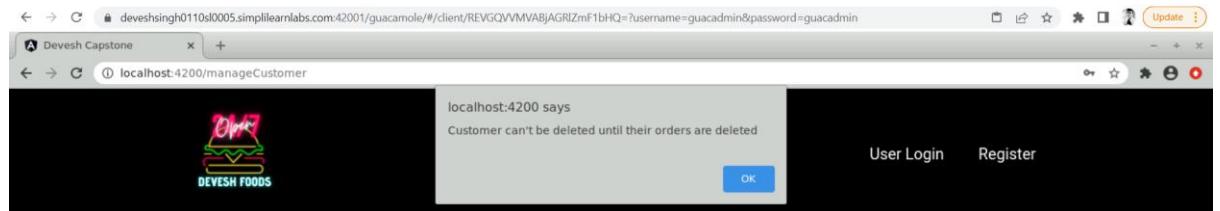
Search Purchase

CONTACT US FOLLOW US ADMIN LOGIN TERMS & CONDITIONS

CAPSTONE PROJECT, DEVESH SINGH

C. CORNER CASES

1. Admin cannot simply delete the user without confirming that their orders have been delivered and the orders are ready to be deleted



Devesh Foods

| Email | Name | Contact No | Address | Actions |
|---------------------------|--------|------------|---------|---|
| deveshsingh0110@gmail.com | DEVESH | 9836478005 | Kolkata | View active Orders Delete |

2. Username and Password should always be correct

ADMIN LOGIN

Username or password incorrect

Enter Email

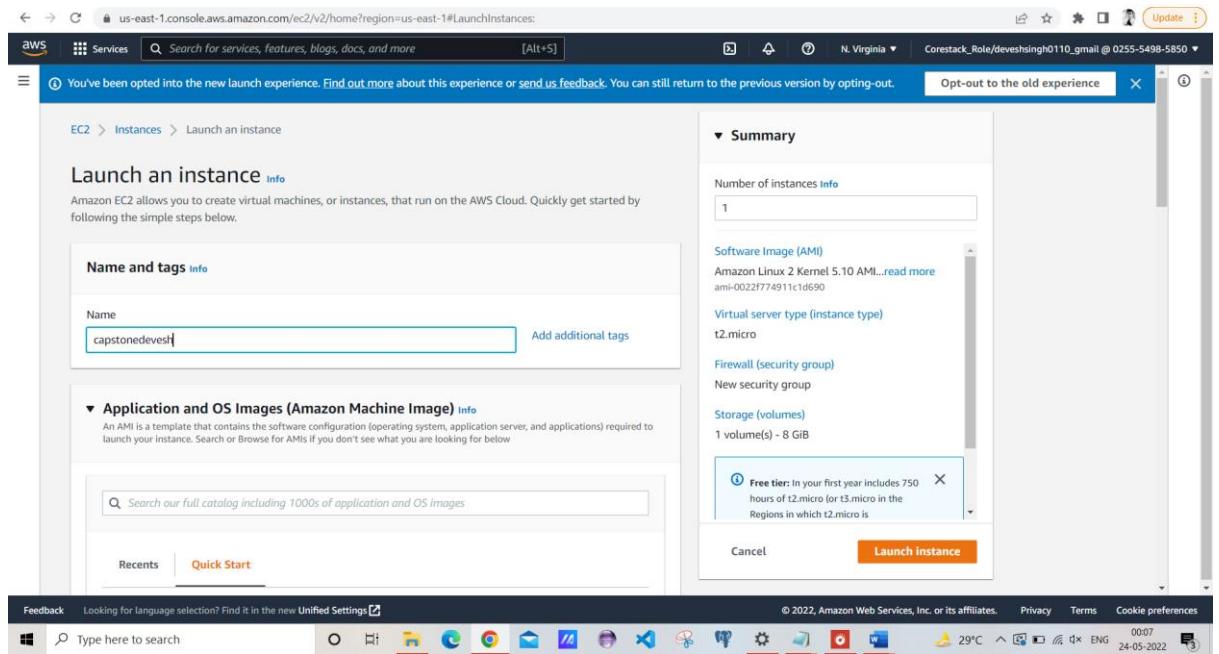
Enter Password

Login

D. JENKINS

Below is a list of steps with screenshots that demonstrate each step followed by me for the Jenkins part.

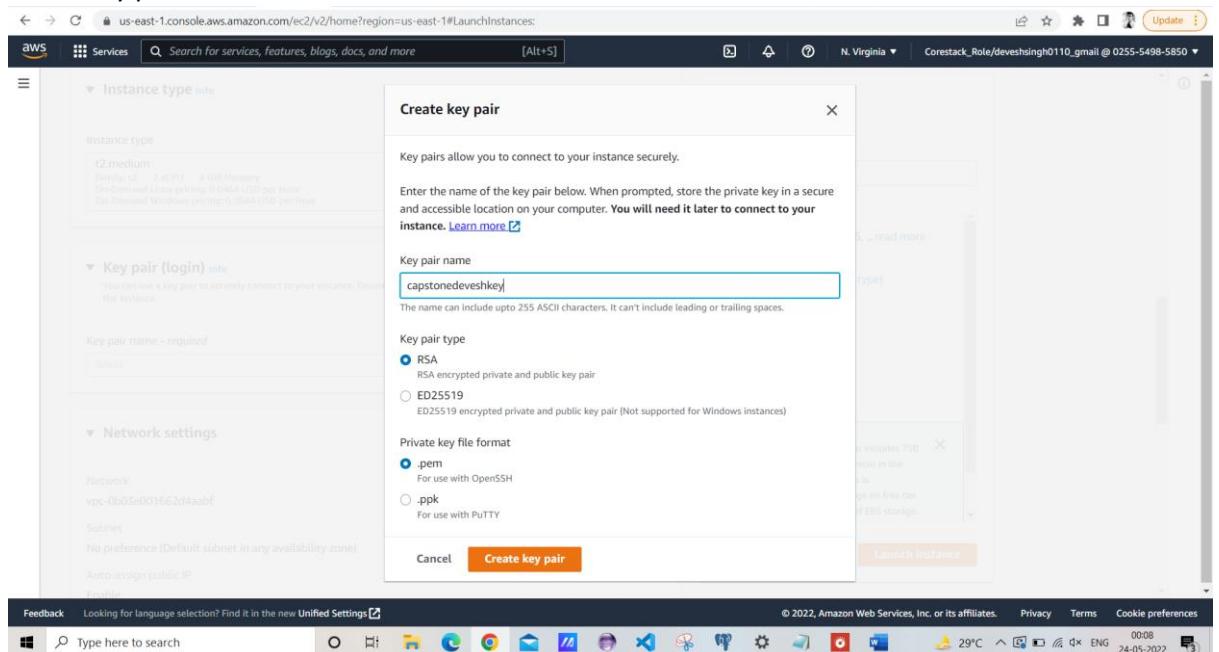
1. Click on Launch Instance



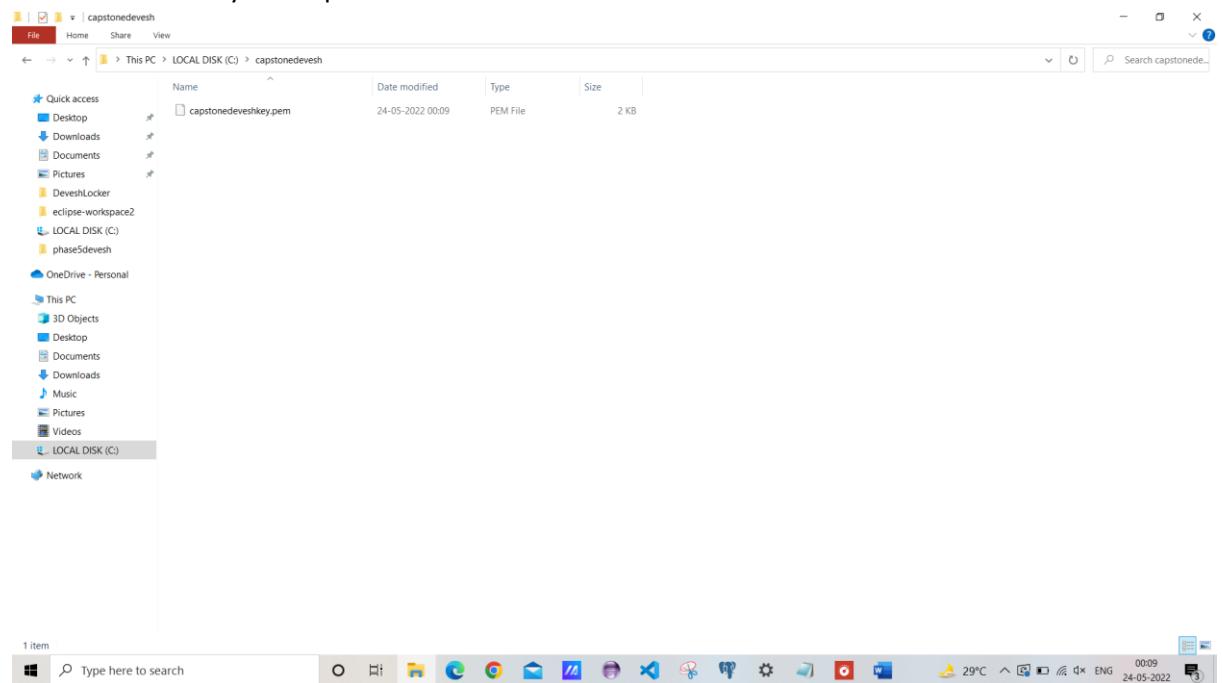
2. Choose image as Ubuntu

3. Choose t2.medium as the Instance type

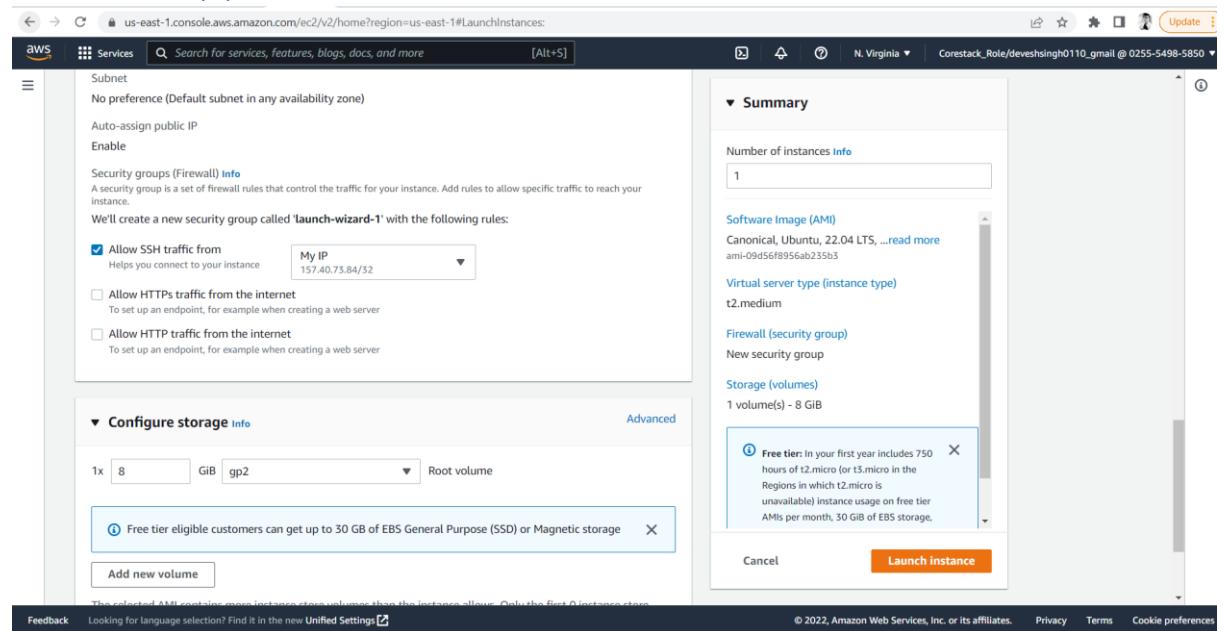
4. Create a key pair



5. I downloaded the key in a separate folder



6. Allow SSH from my ip



7. Added a Security Group as below,

Type Info: ssh
Protocol Info: TCP
Port range Info: 22
Source type info: My IP
Source info: e.g. SSH for admin desktop
Description - optional info: 157.40.73.84/32

Type Info: Custom TCP
Protocol Info: TCP
Port range Info: 0
Source type info: Anywhere
Source info: e.g. SSH for admin desktop
Description - optional info: 0.0.0.0/0

Summary

Number of instances info: 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ...read more
ami-09d56f8956ab235b3

Virtual server type (instance type): t2.medium

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage.

Cancel Launch instance

8. Launched the Instance

Success
Successfully initiated launch of instance (i-0c278856e935fc013)

Launch log

Next Steps

Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier)

How to connect to your instance
Your instance is launching and it might be a few minutes until it is in the running state, when it will be ready for you to use
Click View Instances to monitor your instance's status. Once your instance is in the 'running' state, you can connect to it from the Instances screen. Find out how to connect to your instance

View more resources to get you started

View all Instances

9. Selecting the instance and clicking on connect

The screenshot shows the AWS EC2 Instances page with one instance listed:

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS |
|----------------|---------------------|----------------|---------------|--------------|--------------|-------------------|-----------------|
| capstonedevesh | i-0c278856e935fc013 | Running | t2.medium | Initializing | No alarms | us-east-1d | ec2-3-80-24-1 |

Below the main table, the instance details are shown:

Instance: i-0c278856e935fc013 (capstonedevesh)

- Details** tab is selected.
- Instance summary** section:

| | | |
|---|---|---|
| Instance ID: i-0c278856e935fc013 (capstonedevesh) | Public IPv4 address: 3.80.24.160 open address | Private IPv4 addresses: 172.31.20.74 |
| IPv6 address: - | Instance state: Running | Public IPv4 DNS: ec2-3-80-24-160.compute-1.amazonaws.com open address |
| Hostname type: - | Private IP DNS name (IPv4 only): - | Answer private resource DNS name: - |

The 'Connect' button is visible at the top right of the main EC2 Instances page. Below it, a 'Connect to instance' dialog box is open:

Connect to instance

Connect to your instance i-0c278856e935fc013 (capstonedevesh) using any of these options

- EC2 Instance Connect**
- Session Manager**
- SSH client** (selected)
- EC2 Serial Console**

Instance ID: i-0c278856e935fc013 (capstonedevesh)

- Open an SSH client.
- Locate your private key file. The key used to launch this instance is capstonedeveshkey.pem.
- Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 capstonedeveshkey.pem
- Connect to your instance using its Public DNS:
24-160.compute-1.amazonaws.com

Command copied

```
ssh -i "capstonedeveshkey.pem" ubuntu@ec2-3-80-24-160.compute-1.amazonaws.com
```

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

10. Opening local terminal(MOBAXTERM) and connecting using above copied command

11. I used the command **sudo apt update** subsequently

12. Installing Java as Jenkins is based on Java (**sudo apt install default-jdk -y**)
Installing maven as well (**sudo apt install maven -y**)

13. Installing Jenkins

i. curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee \

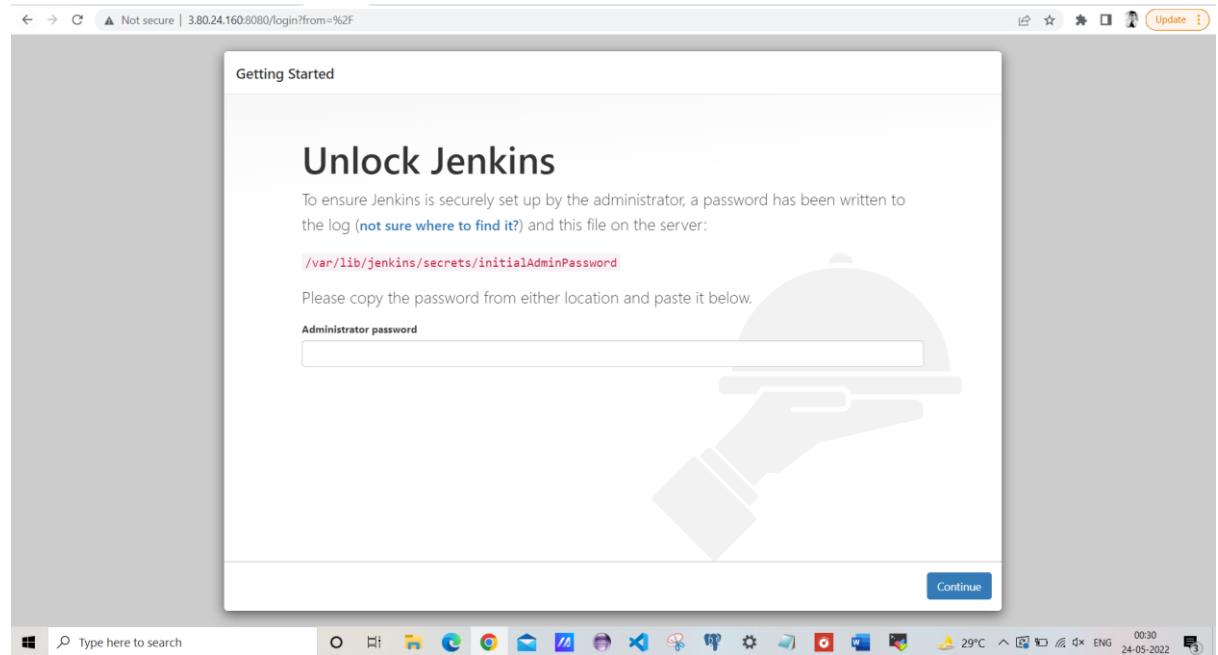
```
/usr/share/keyrings/jenkins-keyring.asc > /dev/null  
ii. echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \  
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \  
/etc/apt/sources.list.d/jenkins.list > /dev/null  
iii. sudo apt-get update  
iv. sudo apt-get install Jenkins
```

```
ubuntu@ip-172-31-20-74 ~
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiEdit Tunneling Packages Settings Help
Quick connect...
[+] 2 ubuntu@ip-172-31-20-74 ~
Setting up libguava-java (99.0+)
Setting up libguava-jdk5-jdk6-jdk8 (3.11-1) ...
Setting up libguava-testlib-java (1.8-1)
Setting up libwagon-file-java (3.3.4-1) ...
Setting up libcommons-io-java (2.11.0-2) ...
Setting up libguice-java (4.2.3-2) ...
Setting up libjansi-java (1.18-1) ...
Setting up libhttpclient4-jetty-util5-java (3.3.6-1) ...
Setting up libmaven-core-java (3.6.3-5) ...
Setting up maven (3.6.3-5) ...
update-alternatives: using /usr/share/maven/bin/mvn to provide /usr/bin/mvn (mvn) in auto mode
Scanning processes...
Scanning lmax Images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.

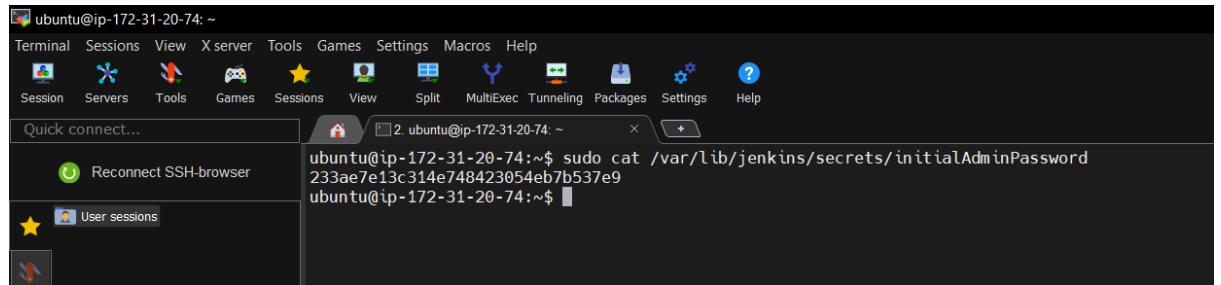
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-20-74 ~% curl -fSL https://pkgs.jenkins.io/debian-stable/jenkins.io.key | sudo tee \
> /usr/share/keyrings/jenkins-keyring.gpg > /dev/null
curl: command not found
ubuntu@ip-172-31-20-74:~$ echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkgs.jenkins.io/debian-stable binary/ | sudo tee \
> /etc/apt/sources.list.d/jenkins.list > /dev/null
ubuntu@ip-172-31-20-74:~$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu security InRelease
Ign:5 https://pkgs.jenkins.io/debian-stable binary/ InRelease
Get:6 https://pkgs.jenkins.io/debian-stable binary/ Release [204 B]
Get:7 https://pkgs.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Get:8 https://pkgs.jenkins.io/debian-stable binary/ Packages [21.9 kB]
Fetched 24.8 kB in 0s (613 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-20-74:~$ sudo apt-get install jenkins
```

14. Starting Jenkins (`sudo service jenkins start`)

15. Entering **publicIP:8080** opens the default page, confirming Jenkins start for the first time

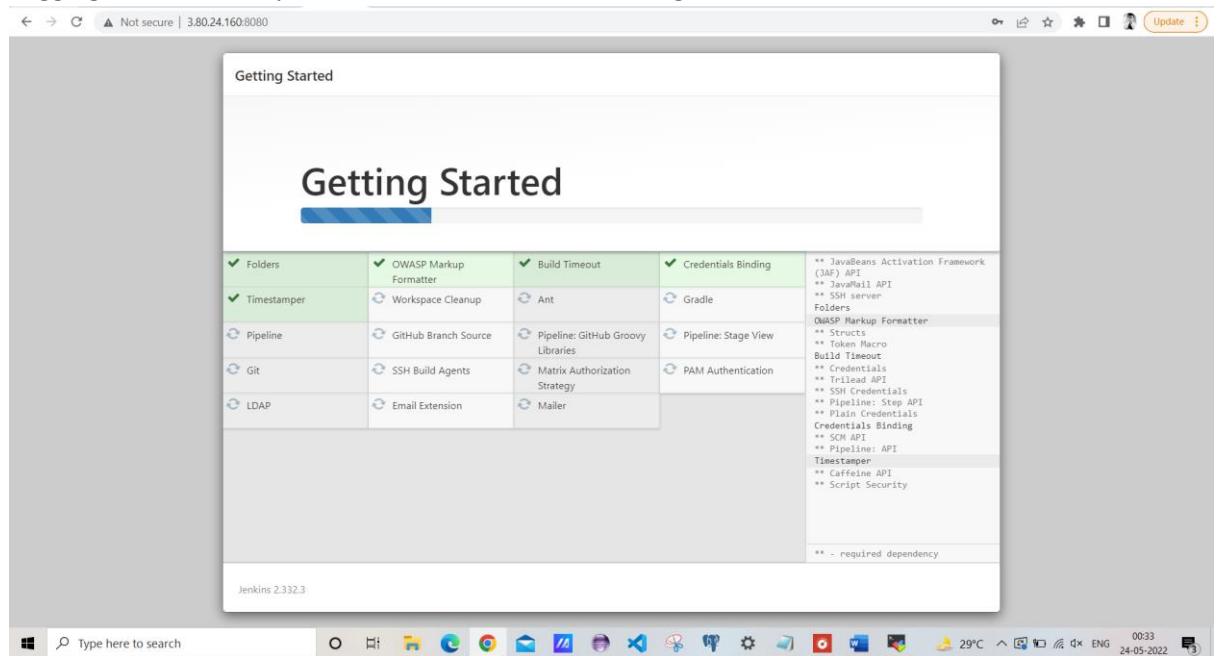


16. Now, we need to unlock Jenkins server and create an admin. Getting access to the encrypted password using `sudo cat /var/lib/jenkins/secrets/initialAdminPassword`

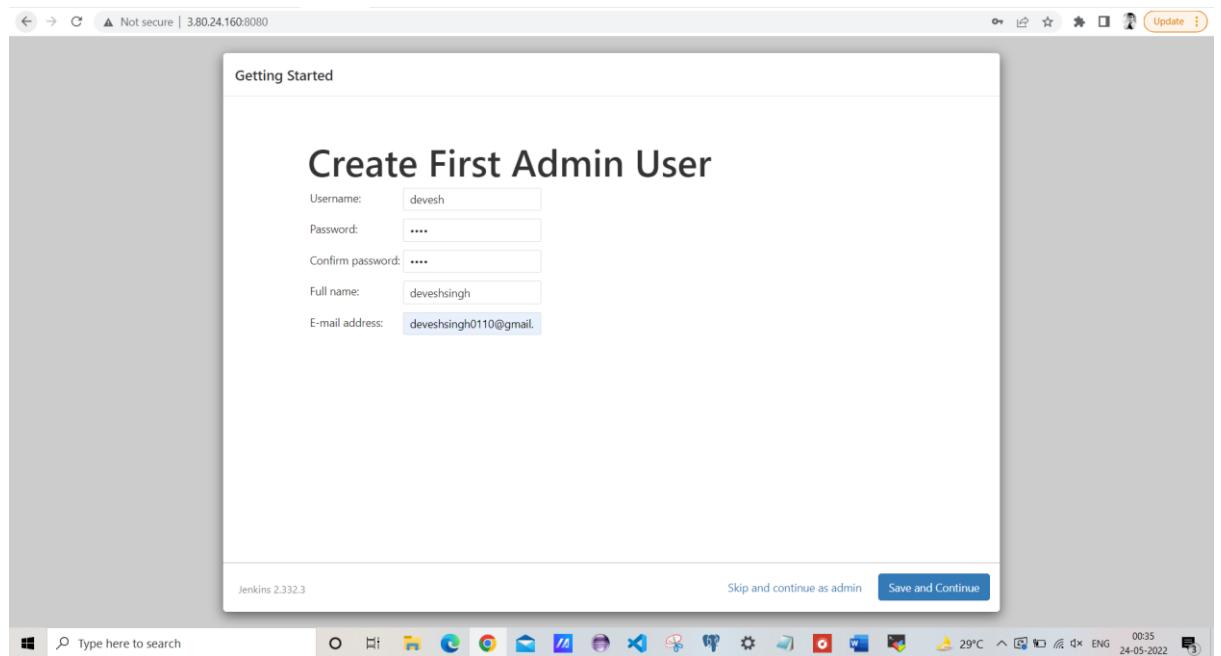


```
ubuntu@ip-172-31-20-74: ~
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
Reconnect SSH-browser
User sessions
ubuntu@ip-172-31-20-74:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
233ae7e13c314e748423054eb7b537e9
ubuntu@ip-172-31-20-74:~$
```

17. Logging in with above password and Install Selected Plugins



18. Create Admin User



19. Installing Docker

- i. `sudo apt-get update`
- ii. `sudo apt-get install apt-transport-https ca-certificates curl gnupg lsb-release -y`
- iii. `curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg`

```
echo "deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg]
https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee
/etc/apt/sources.list.d/docker.list > /dev/null
```

- iv. `sudo apt-get update`
- v. `sudo apt-get install docker-ce docker-ce-cli containerd.io`

20. Within Jenkins Dashboard, clicked on Add New Item → Create Pipeline Project

The screenshot shows the Jenkins 'Enter an item name' dialog box. At the top, there is a search bar with the placeholder 'Search' and a user profile icon for 'deveshsingh'. Below the search bar, the URL 'Not secure | 3.80.24.160:8080/view/all/new/job' is visible. The main area contains a text input field with the value 'FoodboxDeveshCapstone', which is highlighted as a 'Required field'. Below this, there are four options: 'Freestyle project', 'Pipeline', 'Multi-configuration project', and 'Folder'. The 'Pipeline' option is selected, with a description: 'Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.' A large blue 'OK' button is at the bottom of the dialog.

21. Add code repository from GIT

22. Pipeline

The screenshot shows the Jenkins Pipeline project page for 'FoodboxDeveshCapstone'. The left sidebar has a 'Build Now' button highlighted in blue. The main content area is titled 'Pipeline FoodboxDeveshCapstone' and shows a 'Stage View' table. The table has six columns: Declarative: Checkout SCM, Maven Compile, Maven Test, Maven Build, Docker Build, and Docker Deploy. The first column shows an average stage time of 548ms. The table also includes a 'Recent Changes' section showing 'May 24 00:54 No Changes'. Below the table is a 'Permalinks' section with links for 'Atom feed for all' and 'Atom feed for failures'. The bottom of the screen shows a Windows taskbar with various pinned icons and system status.

Not secure | 3.80.24.160:8080/job/FoodboxDeveshCapstone/1/console

Jenkins

Dashboard > FoodboxDeveshCapstone > #1

[Back to Project](#)

[Status](#)

[Changes](#)

[Console Output](#) (selected)

[View as plain text](#)

[Edit Build Information](#)

[Delete build '#1'](#)

[Git Build Data](#)

[Restart from Stage](#)

[Replay](#)

[Pipeline Steps](#)

Console Output

Started by user **deveshsingh**
Obtained Jenkinsfile from git https://github.com/Devesh0110/Project_Capstone_Devesh
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/FoodboxDeveshCapstone
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/FoodboxDeveshCapstone/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Devesh0110/Project_Capstone_Devesh # timeout=10
Fetching upstream changes from https://github.com/Devesh0110/Project_Capstone_Devesh
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/Devesh0110/Project_Capstone_Devesh +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs</remote</origin/main^commit# # timeout=10