Project Title: FashIn

Guided by: Smruti Ranjan Nayak

Submitted by:

2305260002: Aditya Khandual
2305260022: Simran Nayak

Abstract

FashIn is a dynamic and user-friendly e-commerce web application designed to offer a seamless shopping experience for fashion and lifestyle products. Built using Spring Boot, FashIn provides a robust and scalable backend that ensures smooth functionality, secure transactions, and efficient data management. The application features an intuitive user interface, allowing customers to browse, search, and purchase a wide range of fashion items with ease. Key functionalities include user authentication, product catalogue management with vast categories option. The backend, powered by Spring Boot, is integrated with a database to manage users, products, and orders efficiently. Additionally, the application follows MVC architecture and utilizes Thymeleaf for dynamic content rendering.

Introduction

Preface The Fashin E-Commerce Website is designed to provide a seamless and stylish online shopping experience focused on fashion and lifestyle products. This project plan outlines the various stages involved in developing the website, from initial research to final deployment. The structured timeline ensures an organized workflow, covering frontend and backend development, database setup, and essential integrations like Git and GitHub for version control.

Key Objectives: Develop a visually appealing and responsive website layout for seamless browsing. Implement a robust backend system for efficient order processing and user management. Establish a secure and scalable database structure to store product and customer information. Utilize Git and GitHub for effective version control and team collaboration. Conduct rigorous testing to enhance security, performance, and usability.

Purpose

Purpose The purpose of developing the Fashin E-Commerce Website is to create an intuitive, engaging, and efficient platform that caters to modern online shopping needs.

Primary Purposes: Enhancing User Experience: Providing a seamless, responsive, and visually appealing shopping experience.

Increasing Business Reach: Helping fashion and lifestyle brands expand their customer base through an online marketplace.

Leveraging Technology for Growth: Utilizing modern web development tools, databases, and version control systems like Git and GitHub to ensure a scalable and maintainable solution.

Facilitating Inventory & Order Management: Offering an easy-to-use backend system for managing products, customers. By focusing on these purposes, Fashin aims to redefine the fashion e-commerce experience while providing a sustainable and growth-oriented business model.

Scope

User Features: o Secure authentication (login, signup).
User-friendly product browsing and filtering. Shopping cart, checkout functionalities.

Admin Features: Product and inventory management. o Order and user management dashboard.

Security Measures: Data encryption and user authentication protocols.

Version Control & Collaboration: Git and GitHub implementation for tracking changes and team collaboration.

Testing & Deployment: Unit testing, performance testing.

Tools for Development

Software Requirements:
Frontend tools and technologies:
HTML
CSS
JAVASCRIPT

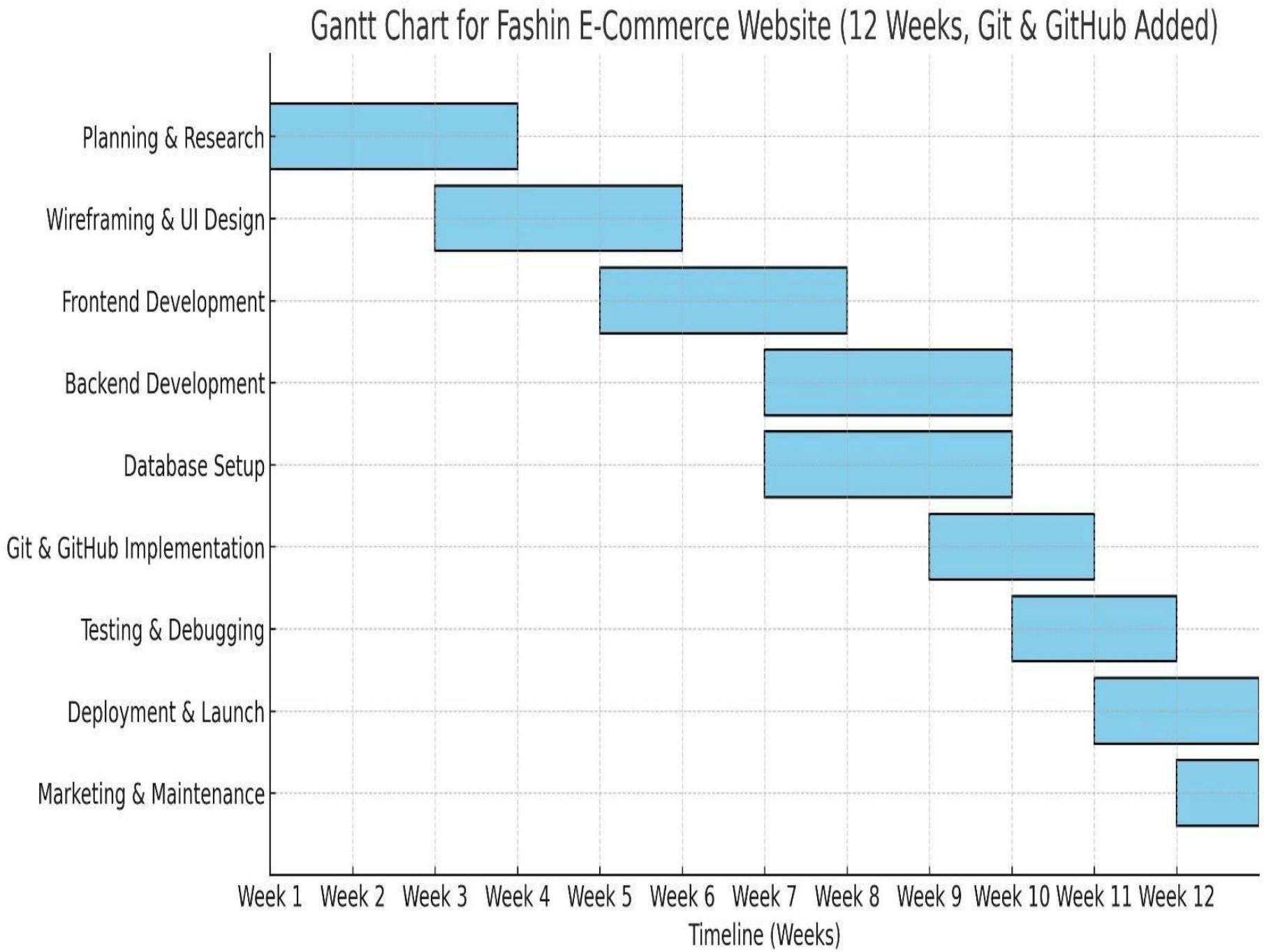
Backend tools and technologies:
Java
SpringBoot

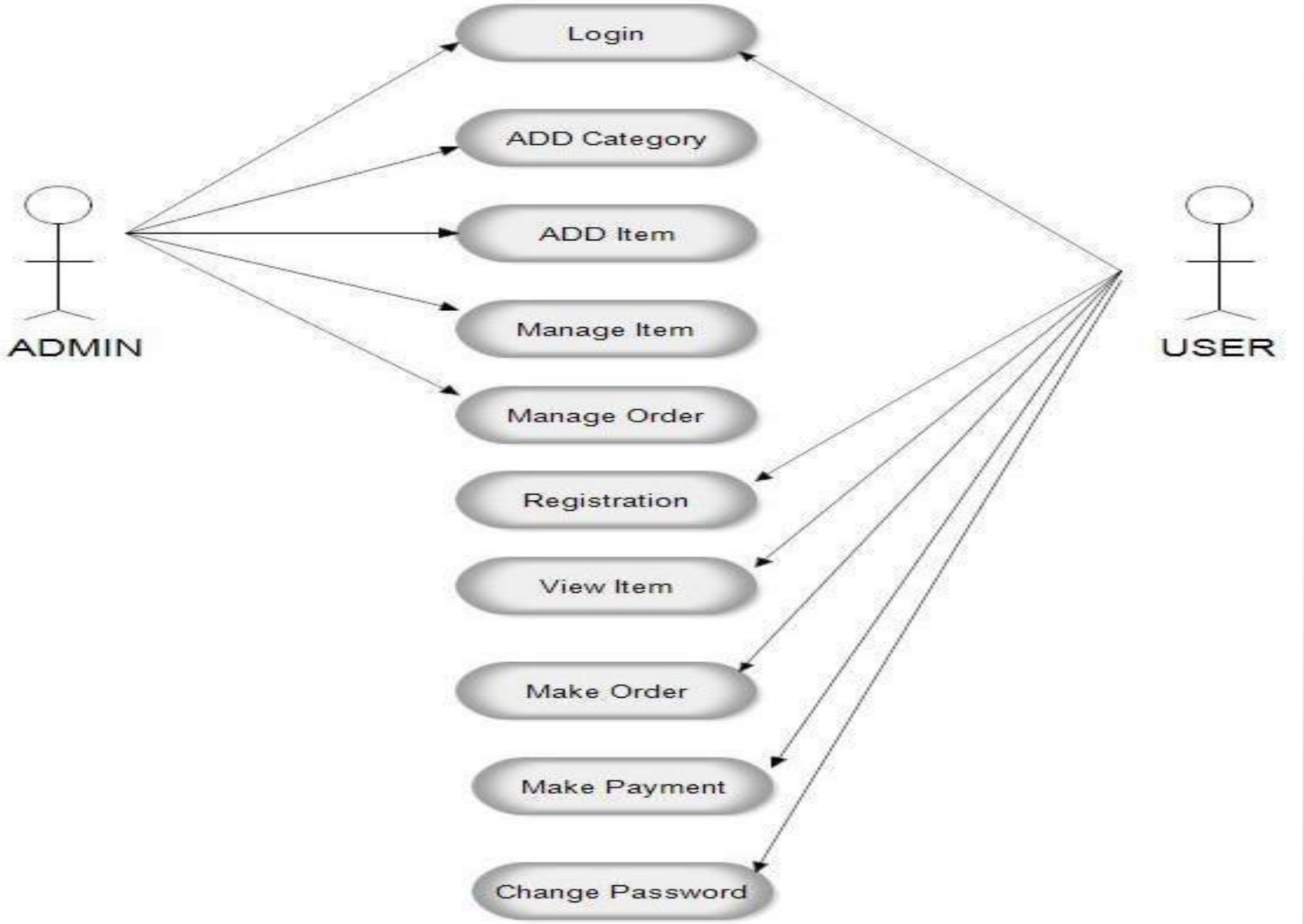
DataBase:
SQl

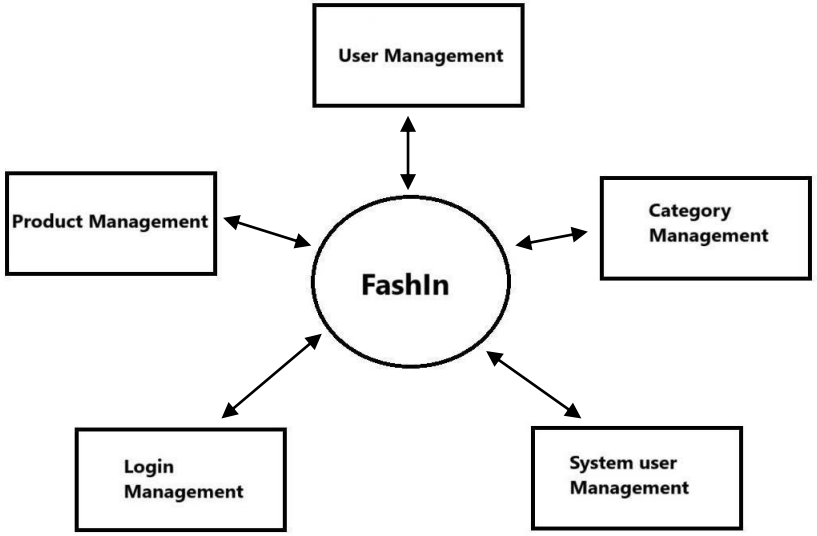
Hardware requirements:
Processor Intel i3
Hard disk:40GB
Ram:512MB or more…

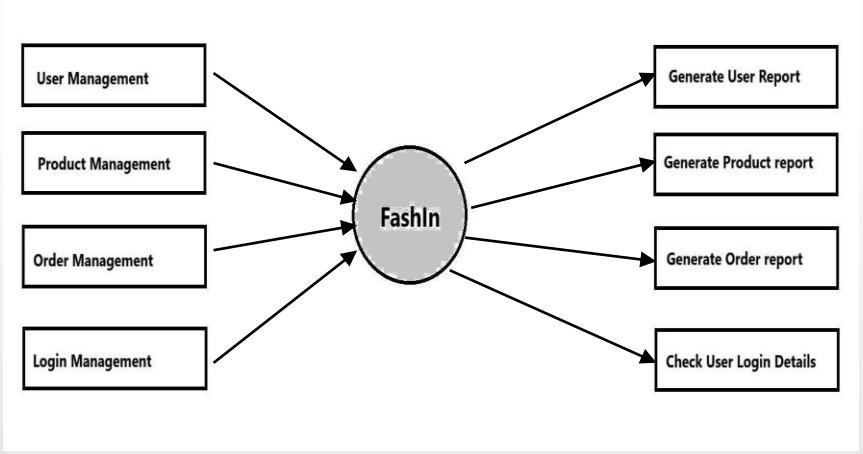
Project Goals:

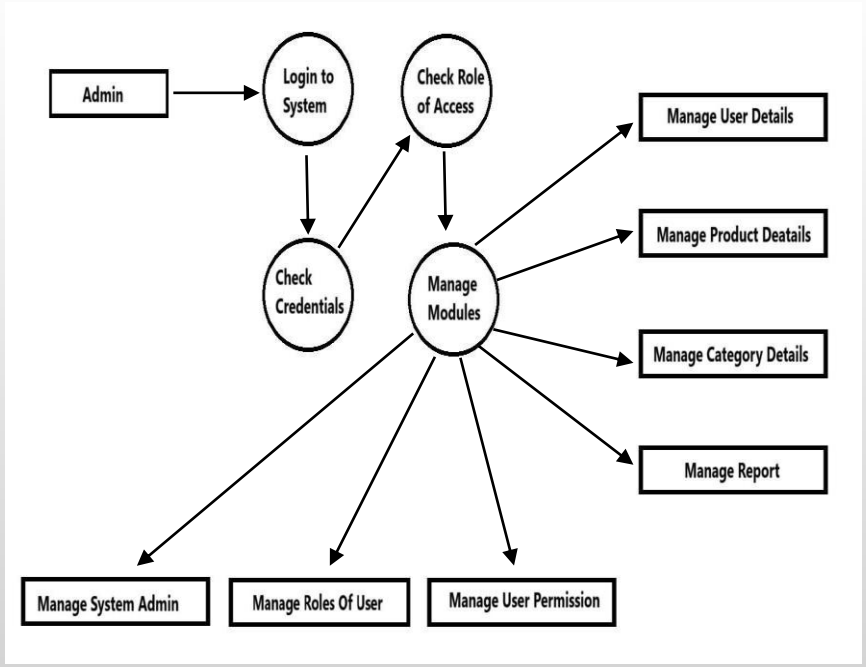
1.Create a User-Friendly E-Commerce Platform – Develop an intuitive, easy-to- navigate website that offers a seamless shopping experience.
2.Offer a Wide Range of Fashion & Lifestyle Products – Provide users with a curated collection of clothing, accessories, and lifestyle products.
3.Ensure a Responsive and Modern Design – Make the website visually appealing and fully functional across all devices (desktop, tablet, and mobile).
4.Optimize Performance & Speed – Build a fast-loading platform to reduce bounce

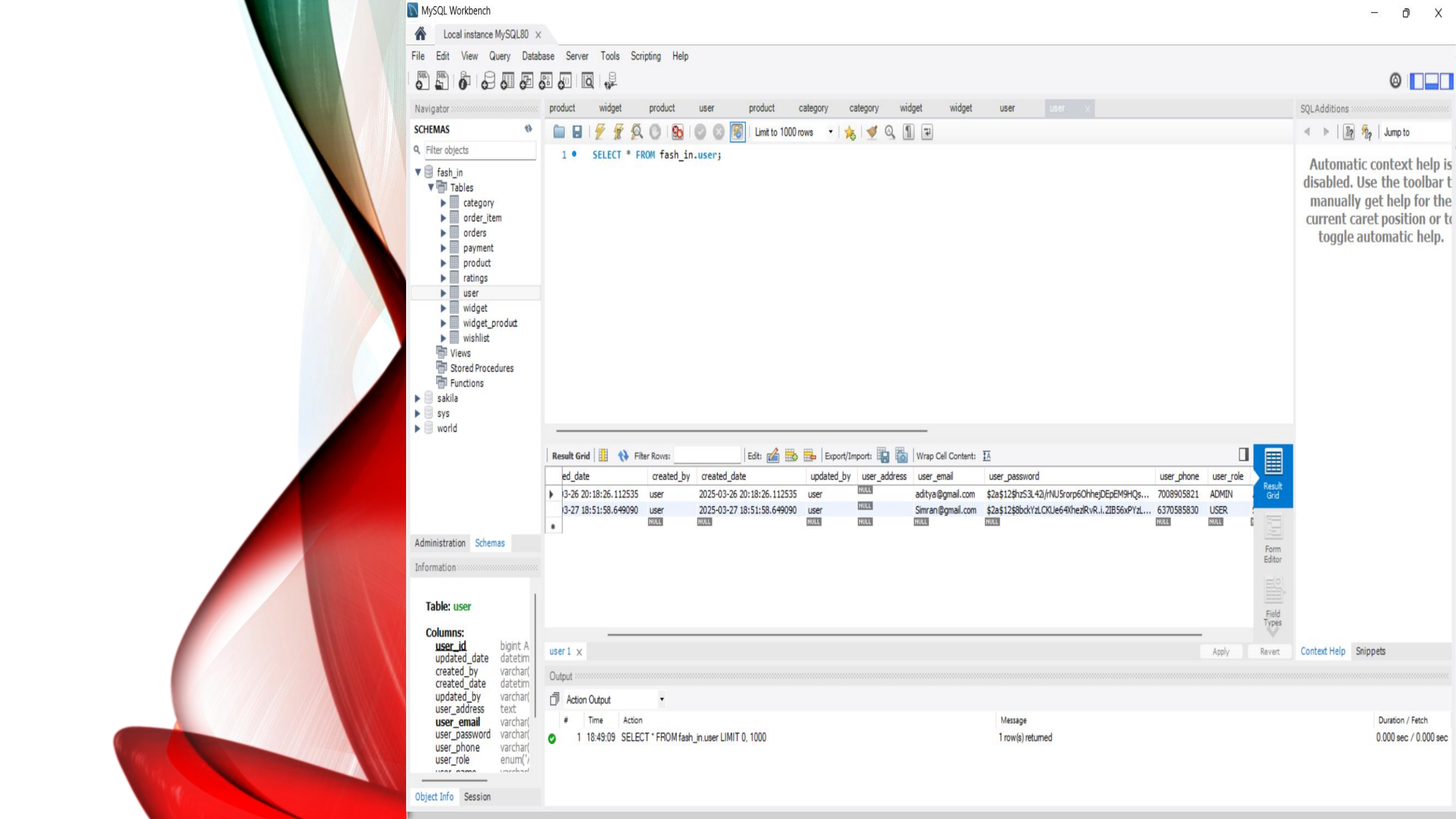

Gantt Chart for Fashin E-Commerce Website (12 Weeks, Git & GitHub Added)
Planning & Research
Wireframing & UI Design
Frontend Development
Backend Development
Database Setup
Git & GitHub Implementation
Testing & Debugging
Deployment & Launch
Marketing & Maintenance
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Week 9
Week 10
Week 11
Week 12
Timeline (Weeks)

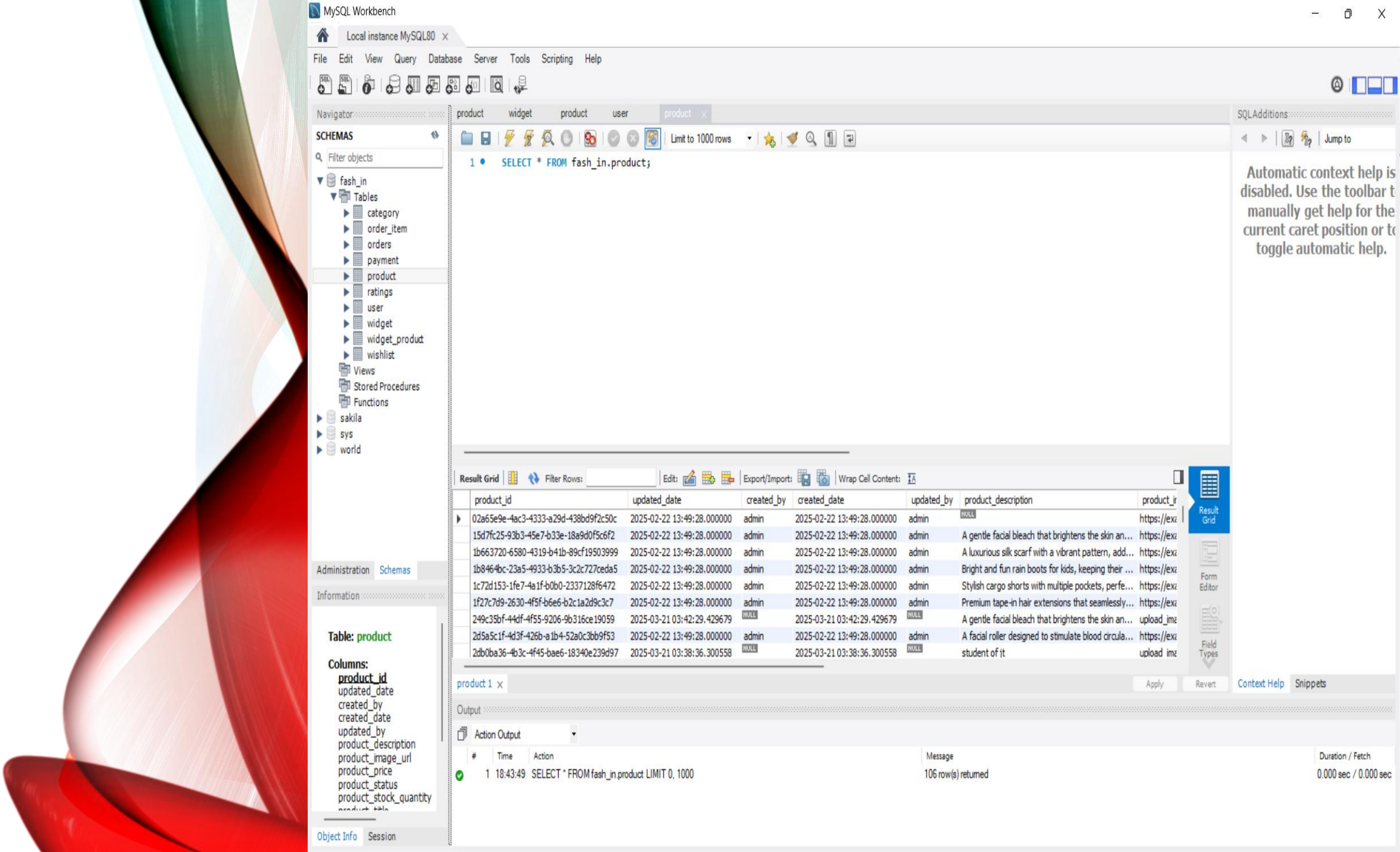

Login
ADD Category
ADD Item
Manage Item
Manage Order
Registration
View Item
Make Order
Make Payment
Change Password
ADMIN
USER

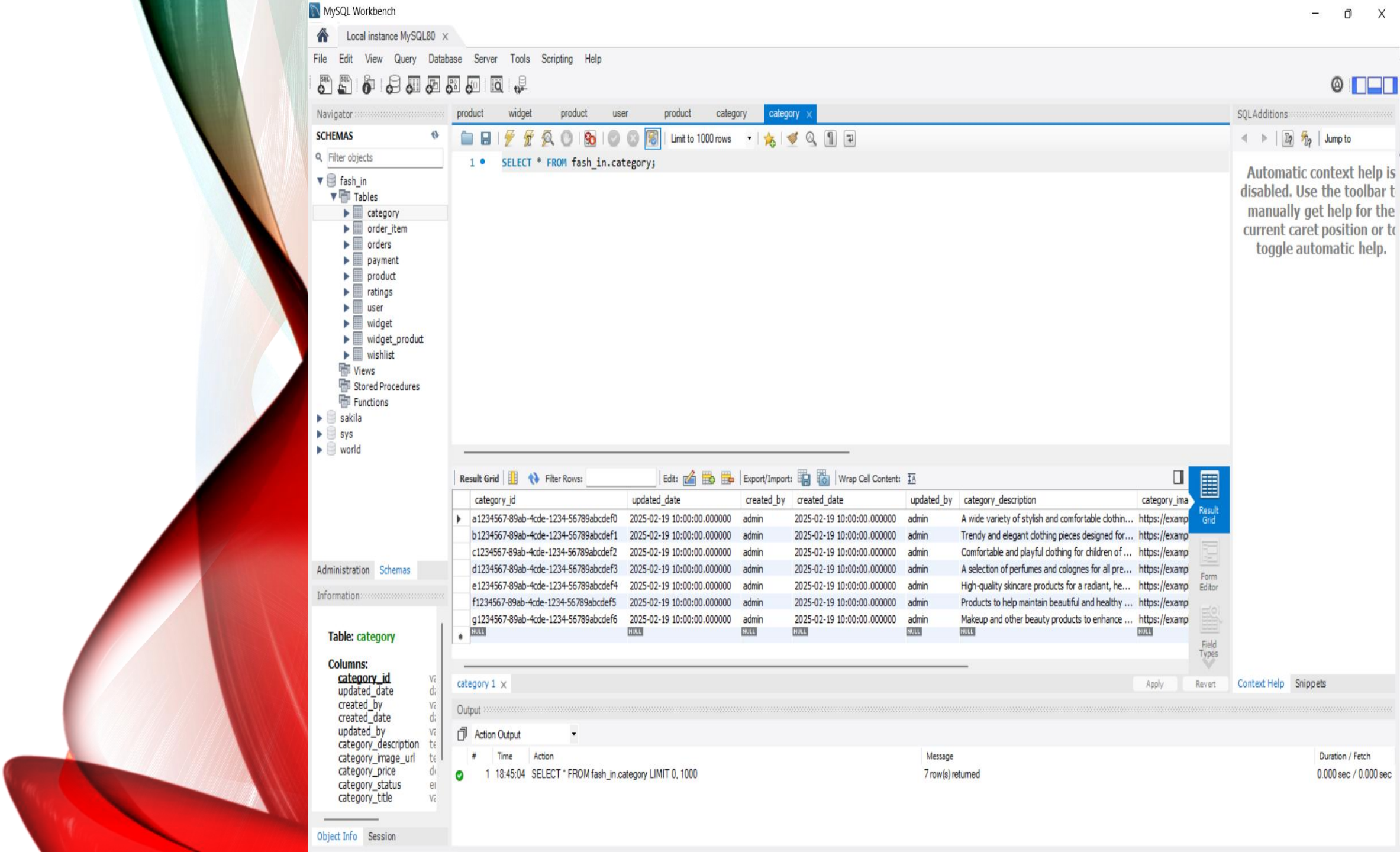

User Management
Product Management
FashIn
Category Management
Login Management
System user Management

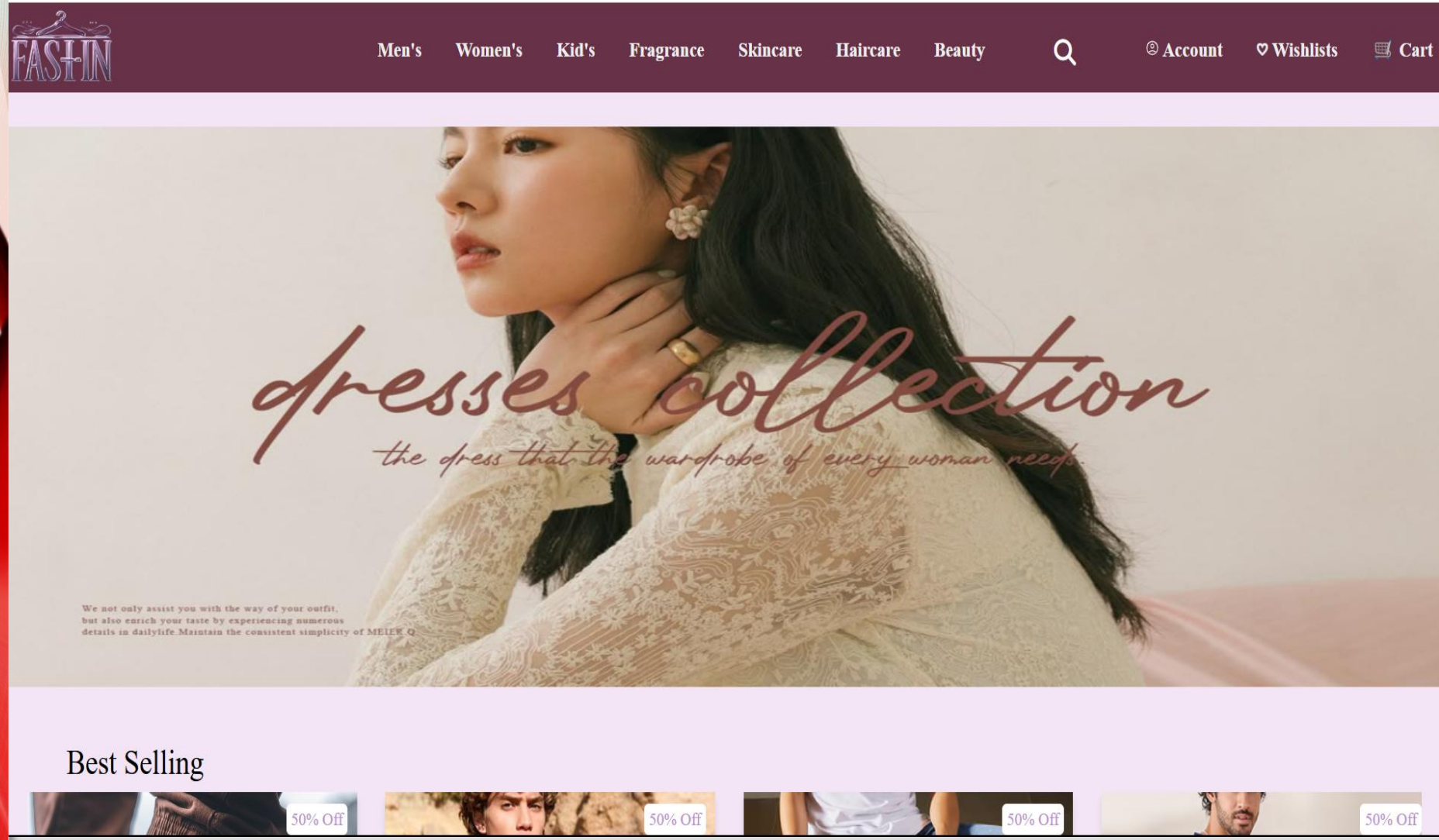

User Management
Product Management
Order Management
Login Management
FashIn
Generate User Report
Generate Product report
Generate Order report
Check User Login Details

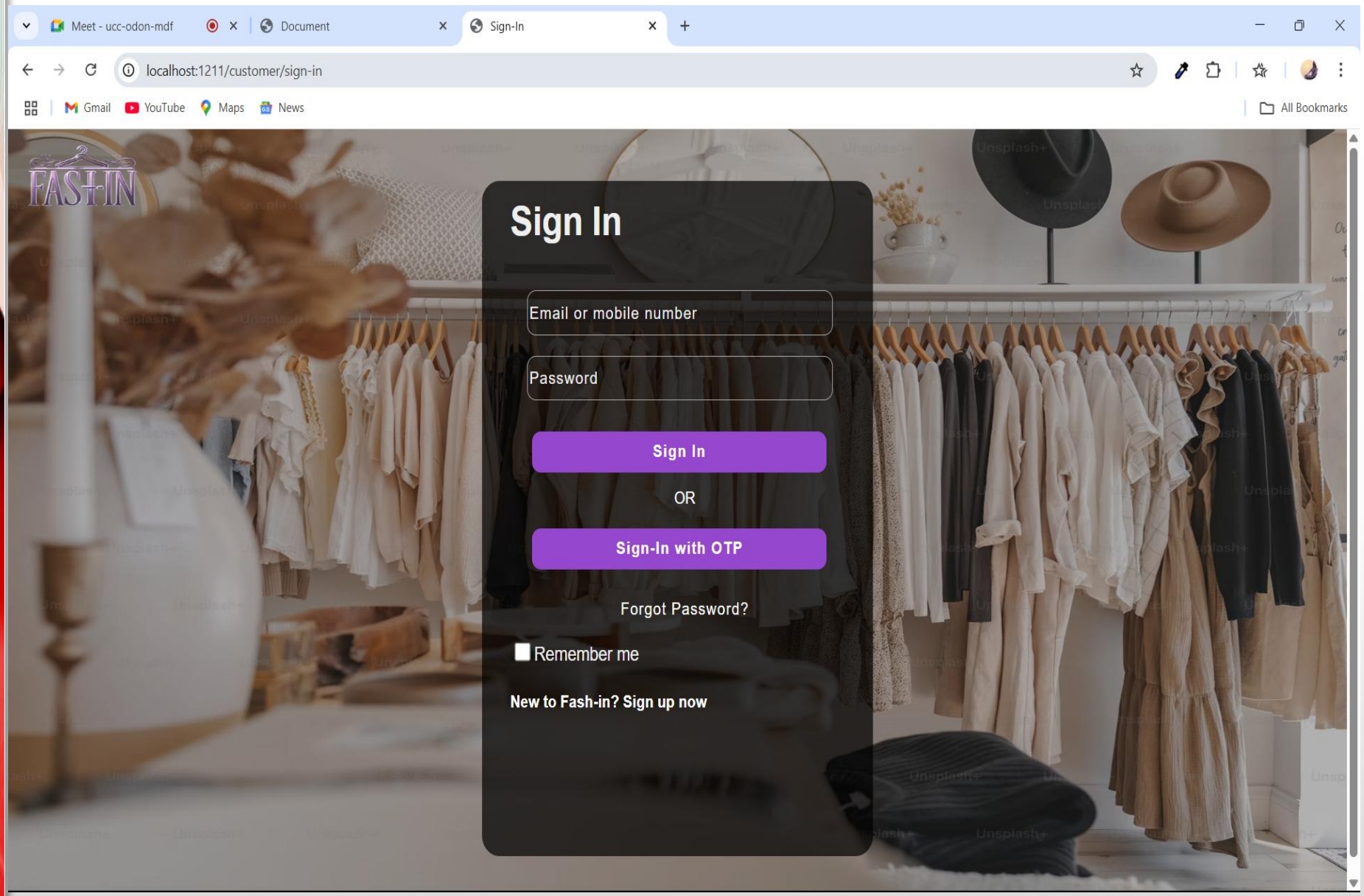

Admin
Login to System
Check Role of Access
Check Credentials
Manage Modules
Manage User Details
Manage Product Deatails
Manage Category Details
Manage Report
Manage System Admin
Manage Roles Of User
Manage User Permission

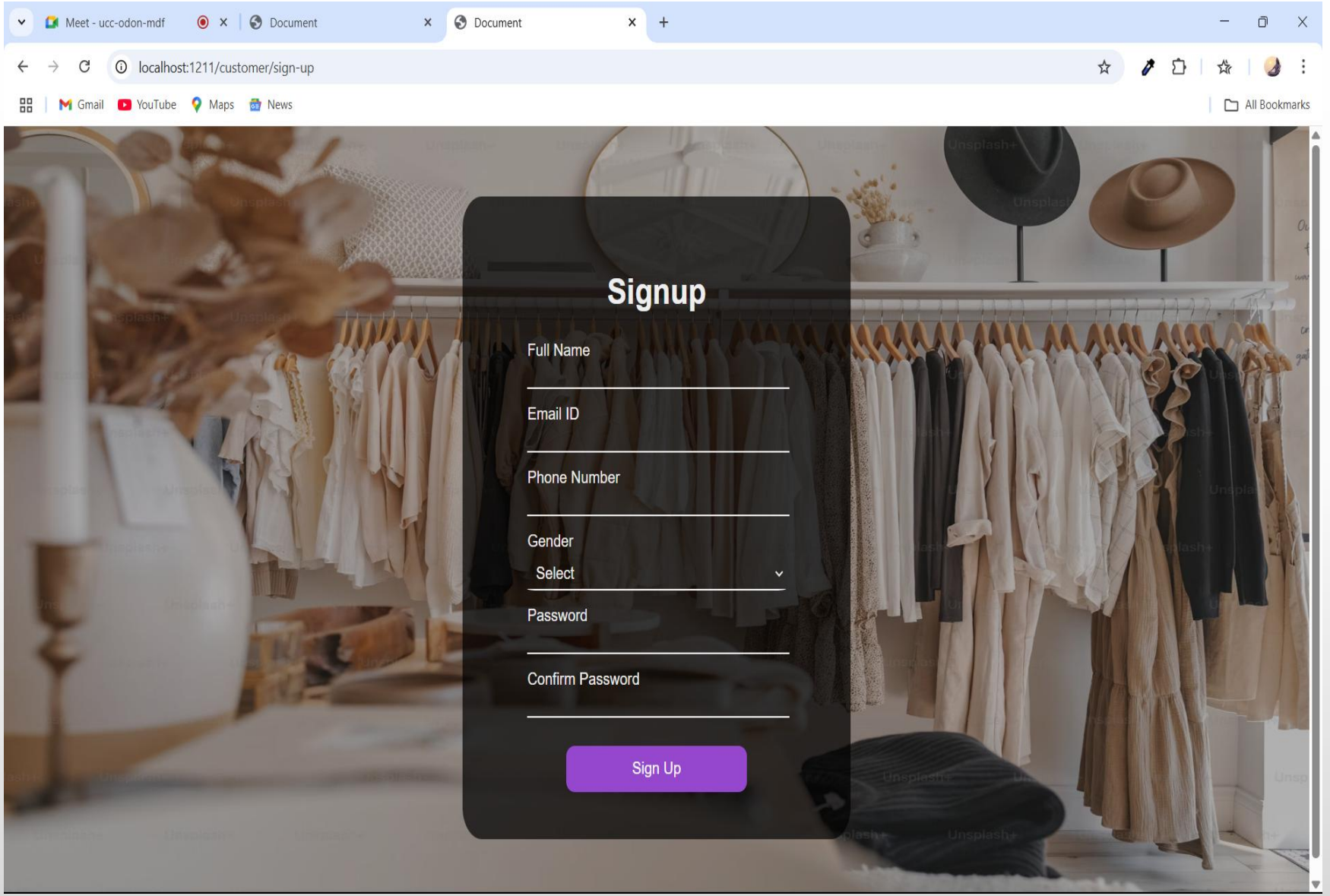

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fash_in
Tables
category
order_item
orders
payment
product
ratings
user
widget
widget_product
wishlist
Views
Stored Procedures
Functions
sakila
sys
world
Administration Schemas
Information
Table: user
Columns:
user_id bigint A
updated_date datetim
created_by varchar(
created_date datetim
updated_by varchar(
user_address text
user_email varchar(
user_password varchar(
user_phone varchar(
user_role enum('
Object Info Session
product widget product user product category category widget widget user user
Limit to 1000 rows
1 SELECT * FROM fash_in.user;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
ed_date created_by created_date updated_by user_address user_email user_password user_phone user_role
03-26 20:18:26.112535 user 2025-03-26 20:18:26.112535 user NULL aditya@gmail.com $2a$12$hzS3L42i/rNU5rorp6OhhejDEpEM9HQs... 7008905821 ADMIN
03-27 18:51:58.649090 user 2025-03-27 18:51:58.649090 user NULL Simran@gmail.com $2a$12$8bckYzLCKUe64XhezlRvR.i.2IB56xPYzL... 6370585830 USER
Result Grid
Form Editor
Field Types
user 1
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 18:49:09 SELECT * FROM fash_in.user LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fash_in
Tables
category
order_item
orders
payment
product
ratings
user
widget
widget_product
wishlist
Views
Stored Procedures
Functions
sakila
sys
world
Administration Schemas
Information
Table: product
Columns:
product_id
updated_date
created_by
created_date
updated_by
product_description
product_image_url
product_price
product_status
product_stock_quantity
Object Info Session
product widget product user product
Limit to 1000 rows
1 SELECT * FROM fash_in.product;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
product_id updated_date created_by created_date updated_by product_description
02a65e9e-4ac3-4333-a29d-438bd9f2c50c 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin NULL
15d7fc25-93b3-45e7-b33e-18a9d0f5c6f2 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin A gentle facial bleach that brightens the skin an...
1b663720-6580-4319-b41b-89cf19503999 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin A luxurious silk scarf with a vibrant pattern, add...
1b8464bc-23a5-4933-b3b5-3c2c727ceda5 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin Bright and fun rain boots for kids, keeping their ...
1c72d153-1fe7-4a1f-b0b0-2337128f6472 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin Stylish cargo shorts with multiple pockets, perfe...
1f27c7d9-2630-4f5f-b6e6-b2c1a2d9c3c7 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin Premium tape-in hair extensions that seamlessly...
249c35bf-44df-4f55-9206-9b316ce19059 2025-03-21 03:42:29.429679 NULL 2025-03-21 03:42:29.429679 NULL A gentle facial bleach that brightens the skin an...
2d5a5c1f-4d3f-426b-a1b4-52a0c3bb9f53 2025-02-22 13:49:28.000000 admin 2025-02-22 13:49:28.000000 admin A facial roller designed to stimulate blood circula...
2db0ba36-4b3c-4f45-bae6-18340e239d97 2025-03-21 03:38:36.300558 NULL 2025-03-21 03:38:36.300558 NULL student of it
Result Grid Form Editor Field Types
product 1
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 18:43:49 SELECT * FROM fash_in.product LIMIT 0, 1000 106 row(s) returned 0.000 sec / 0.000 sec


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fash_in
Tables
category
order_item
orders
payment
product
ratings
user
widget
widget_product
wishlist
Views
Stored Procedures
Functions
sakila
sys
world
Administration Schemas
Information
Table: category
Columns:
category_id
updated_date
created_by
created_date
updated_by
category_description
category_image_url
category_price
category_status
category_title
Object Info Session
product widget product user product category category
Limit to 1000 rows
1 SELECT * FROM fash_in.category;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
category_id updated_date created_by created_date updated_by category_description category_ima
a1234567-89ab-4cde-1234-56789abcdef0 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin A wide variety of stylish and comfortable clothin... https://examp
b1234567-89ab-4cde-1234-56789abcdef1 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin Trendy and elegant clothing pieces designed for... https://examp
c1234567-89ab-4cde-1234-56789abcdef2 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin Comfortable and playful clothing for children of ... https://examp
d1234567-89ab-4cde-1234-56789abcdef3 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin A selection of perfumes and colognes for all pre... https://examp
e1234567-89ab-4cde-1234-56789abcdef4 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin High-quality skincare products for a radiant, he... https://examp
f1234567-89ab-4cde-1234-56789abcdef5 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin Products to help maintain beautiful and healthy ... https://examp
g1234567-89ab-4cde-1234-56789abcdef6 2025-02-19 10:00:00.000000 admin 2025-02-19 10:00:00.000000 admin Makeup and other beauty products to enhance ... https://examp
Result Grid
Form Editor
Field Types
category 1
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 18:45:04 SELECT * FROM fash_in.category LIMIT 0, 1000 7 row(s) returned 0.000 sec / 0.000 sec


FASHIN
Men's
Women's
Kid's
Fragrance
Skincare
Haircare
Beauty
Account
Wishlists
Cart
dresses collection
the dress that the wardrobe of every woman needs.
We not only assist you with the way of your outfit,
but also enrich your taste by experiencing numerous
details in dailylife.Maintain the consistent simplicity of MELEW.Q
Best Selling
50% Off
50% Off
50% Off
50% Off


Meet - ucc-odon-mdf
Document
Sign-In
localhost:1211/customer/sign-in
Gmail
YouTube
Maps
News
All Bookmarks
FASHIN
Sign In
Email or mobile number
Password
Sign In
OR
Sign-In with OTP
Forgot Password?
Remember me
New to Fash-in? Sign up now


Meet - ucc-odon-mdf
Document
Document
localhost:1211/customer/sign-up
Gmail
YouTube
Maps
News
All Bookmarks
Signup
Full Name
Email ID
Phone Number
Gender
Select
Password
Confirm Password
Sign Up

Meet - ucc-odon-mdf | Document

localhost:1211/admin/product

Gmail | YouTube | Maps | News | All Bookmarks

Fashin Admin

- Dashboard
- Orders
- Products
- Category
- Widget
- Settings
- Logout

Dashboard

Total Orders: 120

Revenue: $15,000

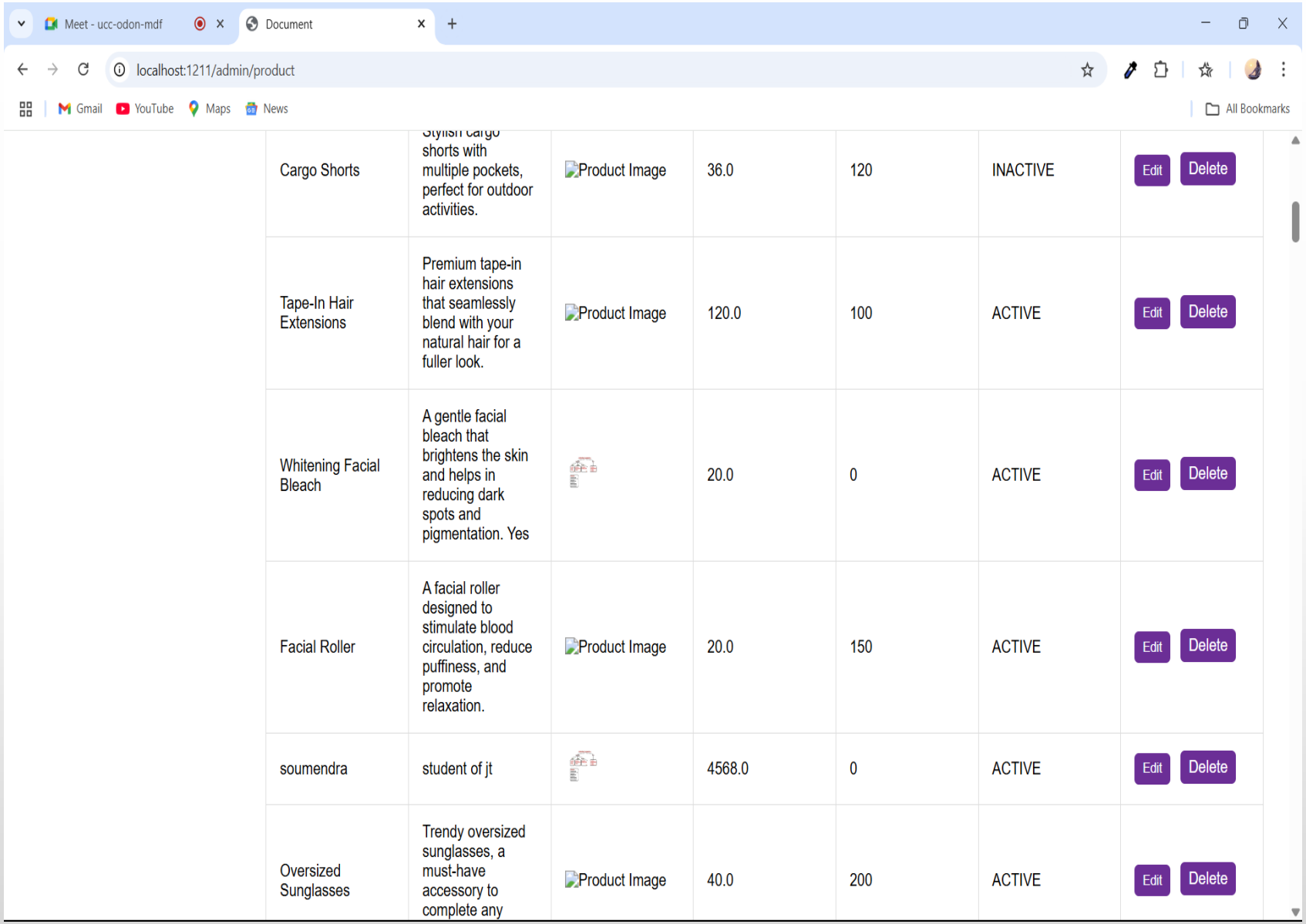
Products: 350

Users: 500

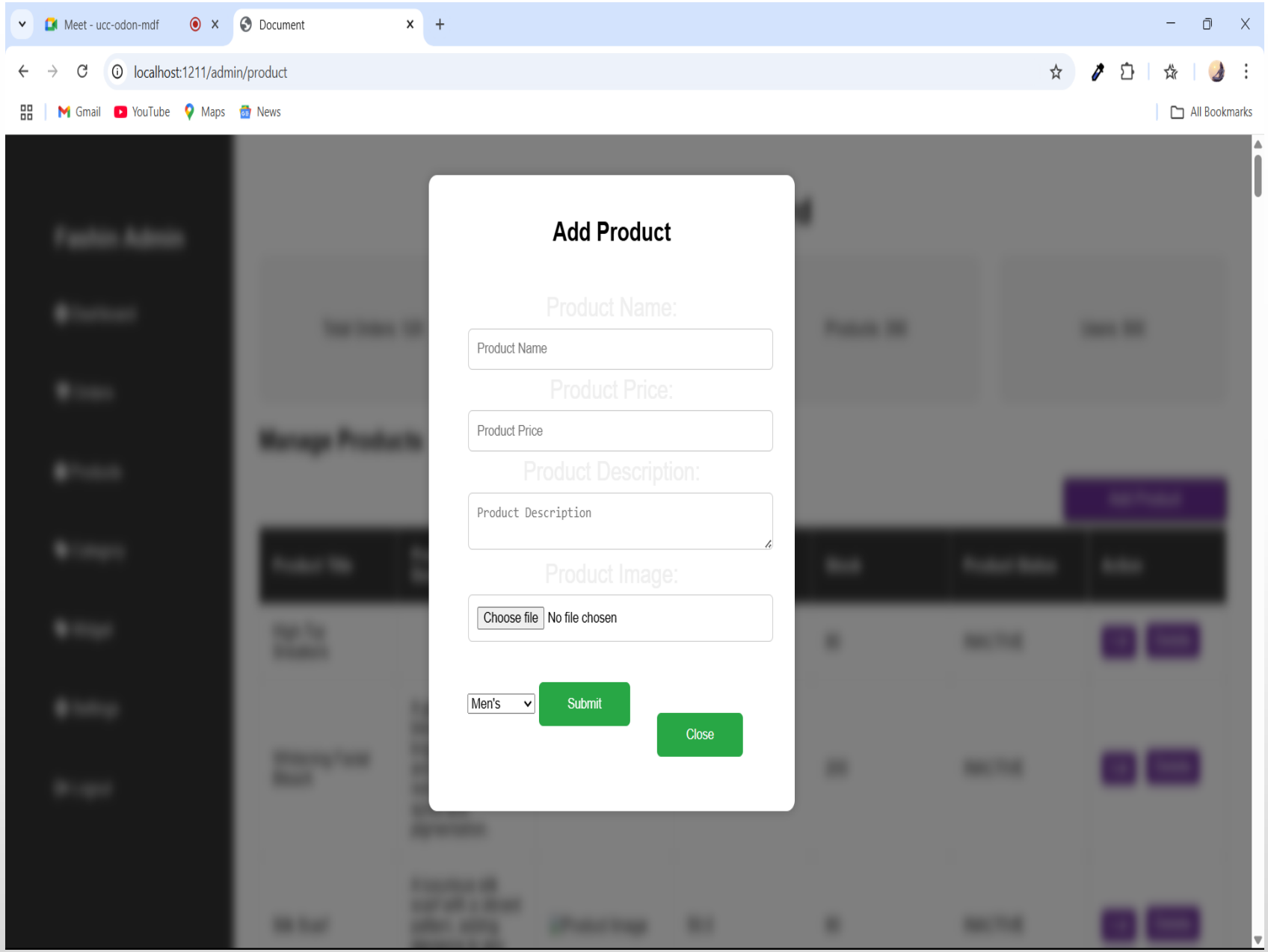
Manage Products

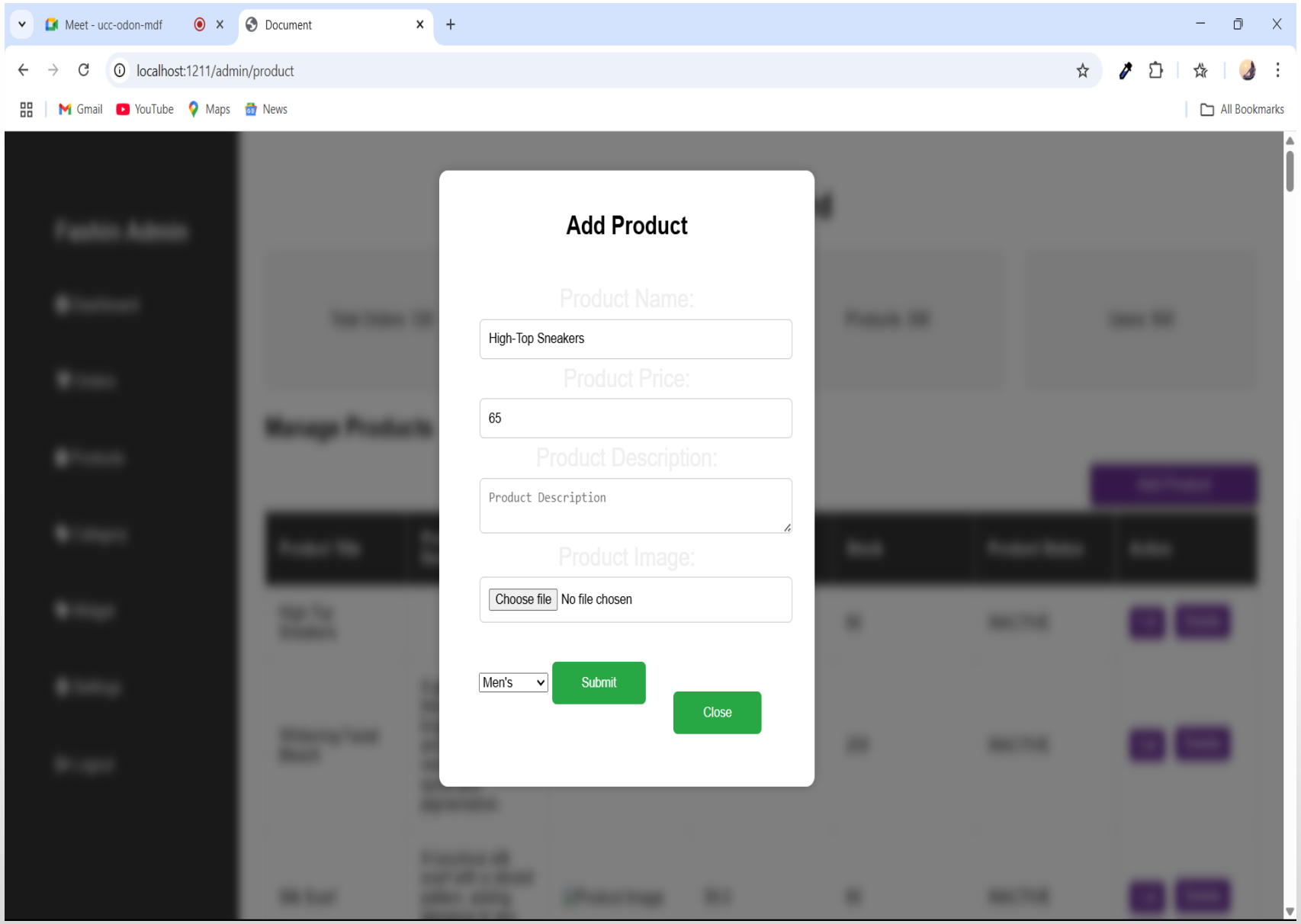
Add Product

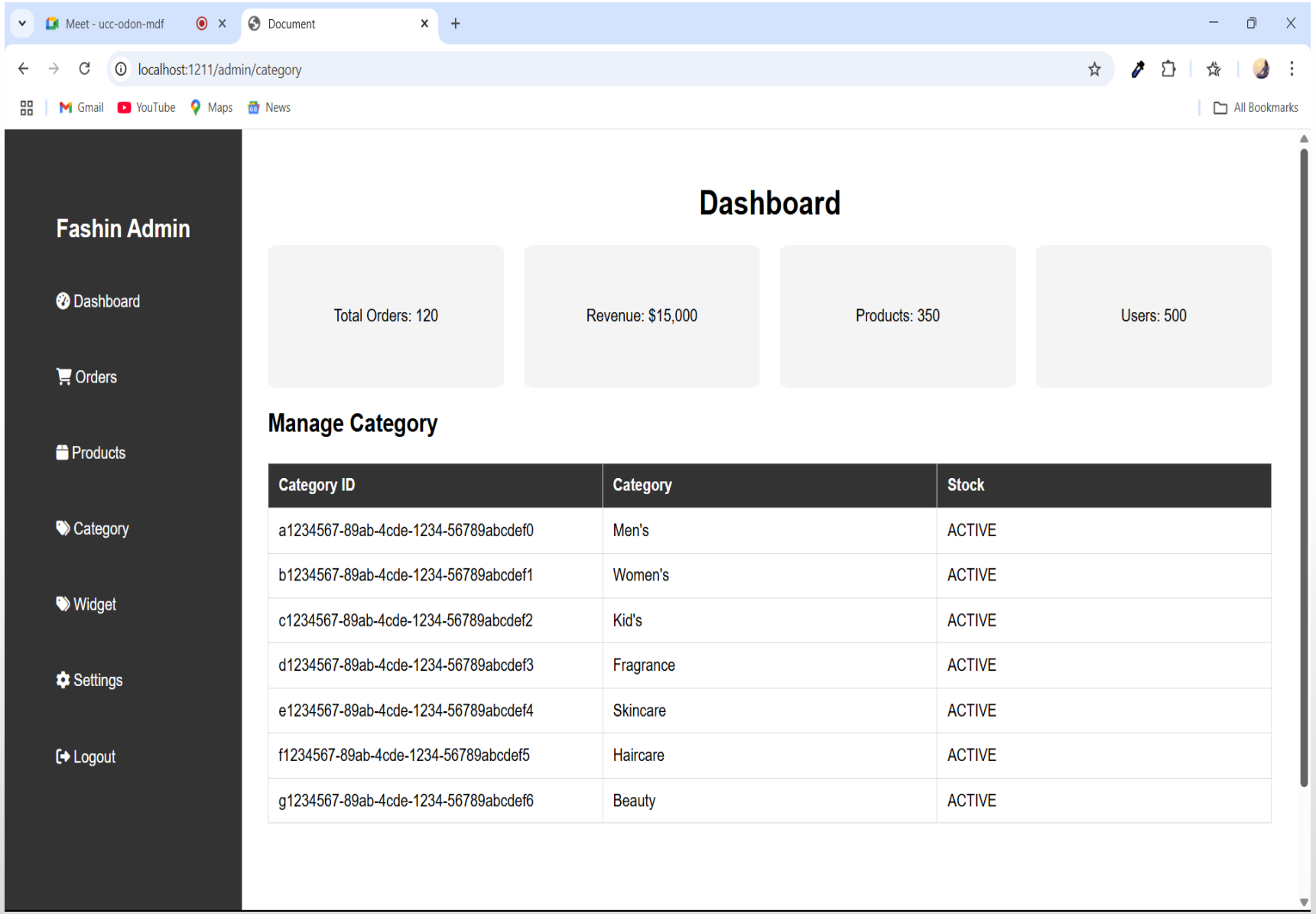
Product Title	Product Description	Images	Price	Stock	Product Status	Action
High-Top Sneakers		Product Image	65.0	80	INACTIVE	Edit Delete
Whitening Facial Bleach	A gentle facial bleach that brightens the skin and helps in reducing dark spots and pigmentation.	Product Image	20.0	200	INACTIVE	Edit Delete
Silk Scarf	A luxurious silk scarf with a vibrant pattern, adding elegance to any	Product Image	50.0	80	INACTIVE	Edit Delete



	Cargo Shorts	Stylish cargo shorts with multiple pockets, perfect for outdoor activities.	Product Image	36.0	120	INACTIVE	Edit Delete
	Tape-In Hair Extensions	Premium tape-in hair extensions that seamlessly blend with your natural hair for a fuller look.	Product Image	120.0	100	ACTIVE	Edit Delete
	Whitening Facial Bleach	A gentle facial bleach that brightens the skin and helps in reducing dark spots and pigmentation. Yes		20.0	0	ACTIVE	Edit Delete
	Facial Roller	A facial roller designed to stimulate blood circulation, reduce puffiness, and promote relaxation.	Product Image	20.0	150	ACTIVE	Edit Delete
	soumendra	student of jt		4568.0	0	ACTIVE	Edit Delete
	Oversized Sunglasses	Trendy oversized sunglasses, a must-have accessory to complete any	Product Image	40.0	200	ACTIVE	Edit Delete


Meet - ucc-odon-mdf
Document
localhost:1211/admin/product
Gmail
YouTube
Maps
News
All Bookmarks
Add Product
Product Name:
Product Name
Product Price:
Product Price
Product Description:
Product Description
Product Image:
Choose file
No file chosen
Men's
Submit
Close


Meet - ucc-odon-mdf
Document
localhost:1211/admin/product
Gmail
YouTube
Maps
News
All Bookmarks
Add Product
Product Name:
High-Top Sneakers
Product Price:
65
Product Description:
Product Description
Product Image:
Choose file
No file chosen
Men's
Submit
Close


Meet - ucc-odon-mdf
Document
localhost:1211/admin/category
Gmail
YouTube
Maps
News
All Bookmarks
Fashin Admin
Dashboard
Orders
Products
Category
Widget
Settings
Logout
Dashboard
Total Orders: 120
Revenue: $15,000
Products: 350
Users: 500
Manage Category
Category ID
Category
Stock
a1234567-89ab-4cde-1234-56789abcdef0
Men's
ACTIVE
b1234567-89ab-4cde-1234-56789abcdef1
Women's
ACTIVE
c1234567-89ab-4cde-1234-56789abcdef2
Kid's
ACTIVE
d1234567-89ab-4cde-1234-56789abcdef3
Fragrance
ACTIVE
e1234567-89ab-4cde-1234-56789abcdef4
Skincare
ACTIVE
f1234567-89ab-4cde-1234-56789abcdef5
Haircare
ACTIVE
g1234567-89ab-4cde-1234-56789abcdef6
Beauty
ACTIVE

Meet - ucc-odon-mdf | Document | Document | Cart

localhost:1211/customer/cart

Gmail YouTube Maps News All Bookmarks

FASHIN

Search your Items .....

Profile ▼

To your Current Saved address >

Change address

Select Delivery Address: Home - 123 Main Street

Men Regular Fit Checkered Spread Collar Casual Shirt Delivery by Sun Feb 23 | ~~$40~~ Free

Fits: Regular | Size: XL

~~$1766~~ **$769** 63% off 2 Offers available !!

- 0 +

Place Order

Price Details

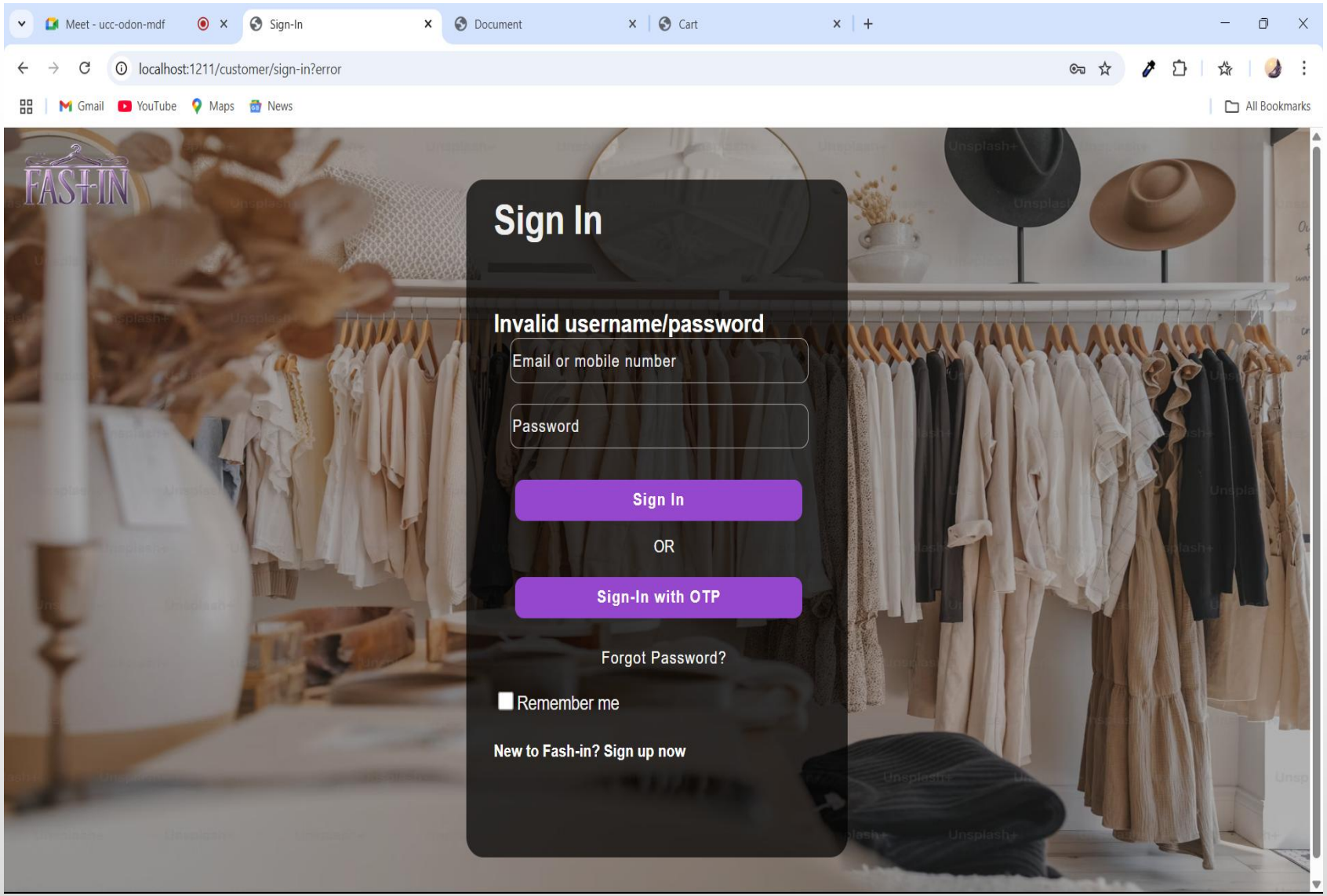
Price: $769

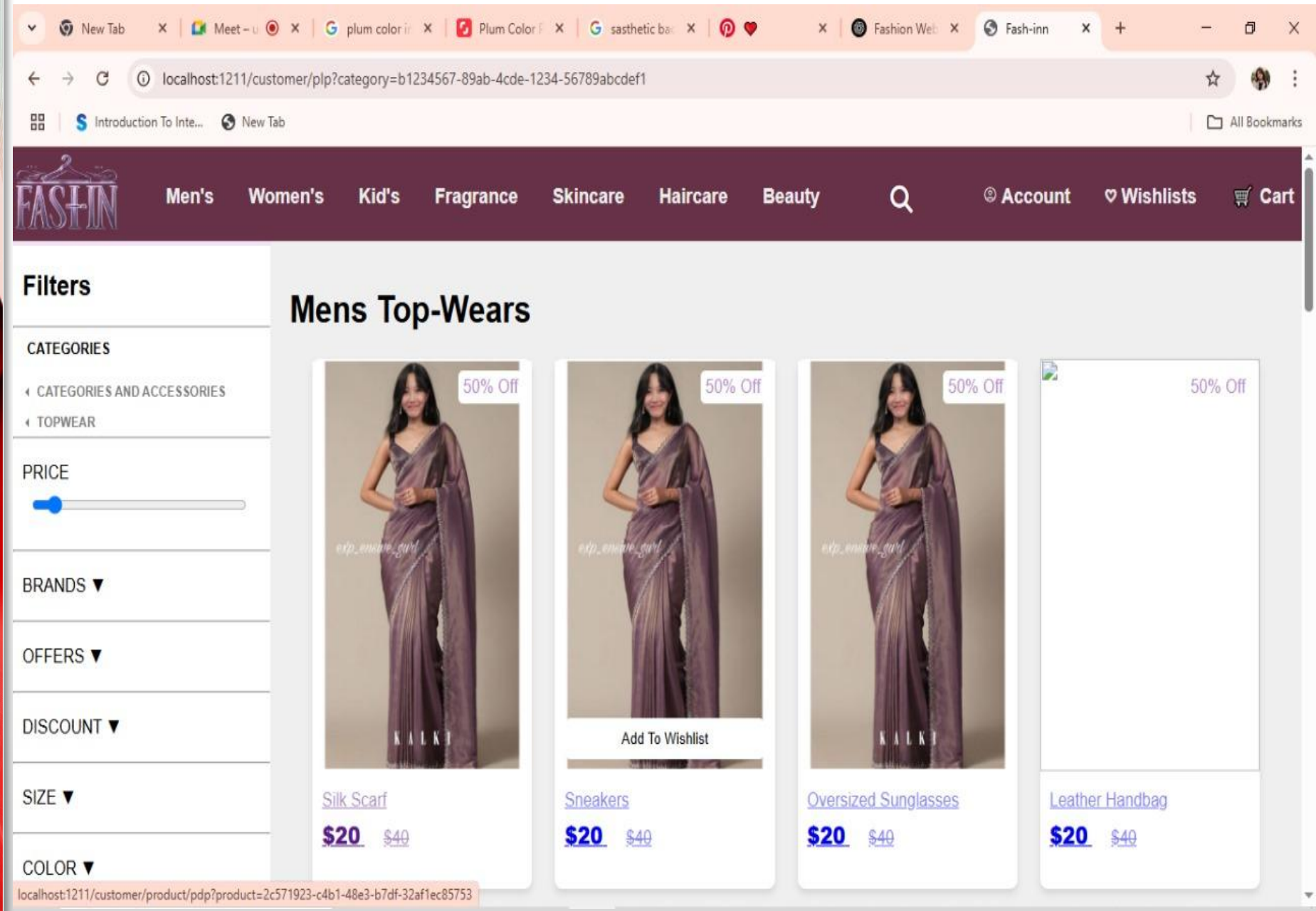
Discount:

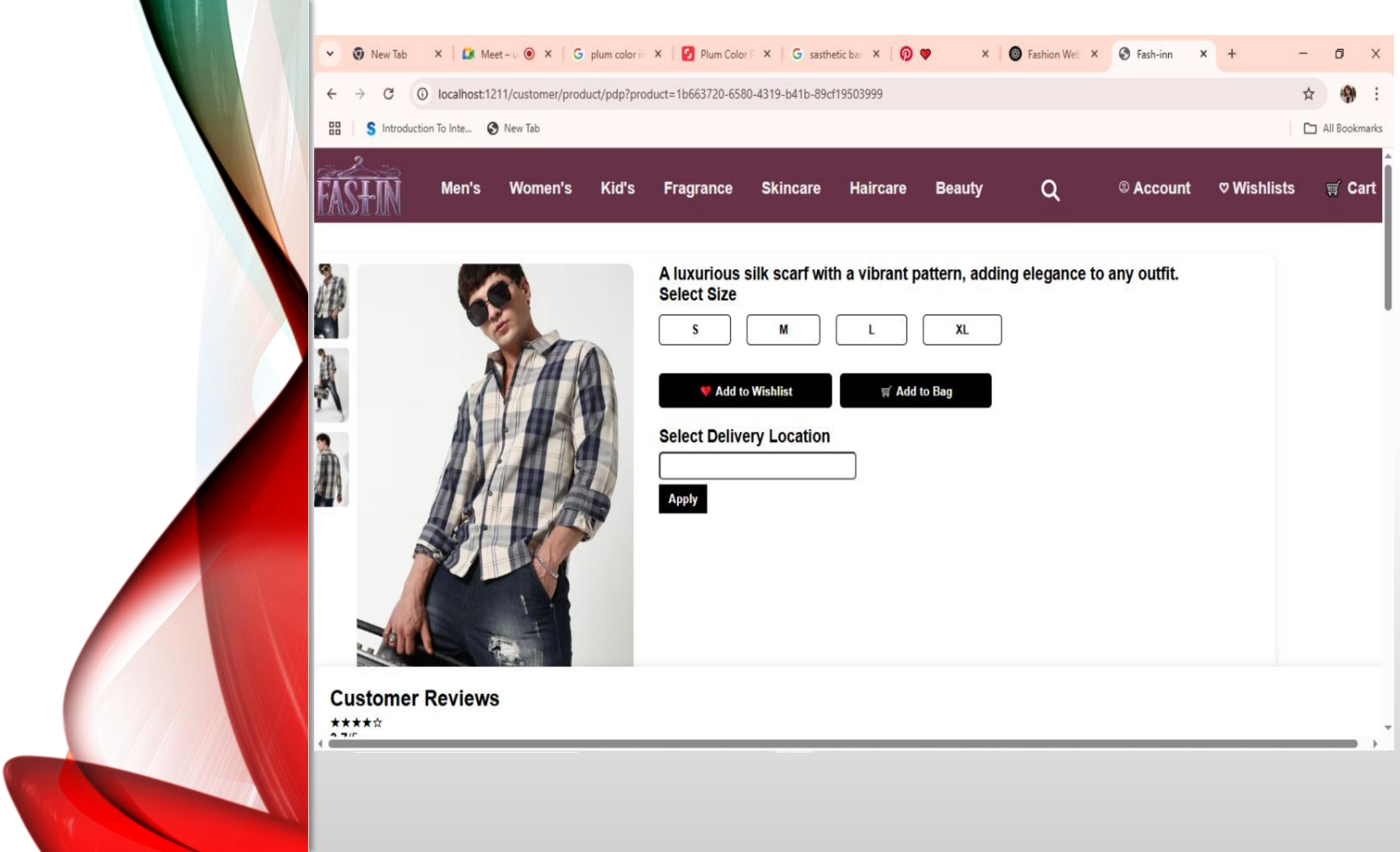
Delivery Charges:

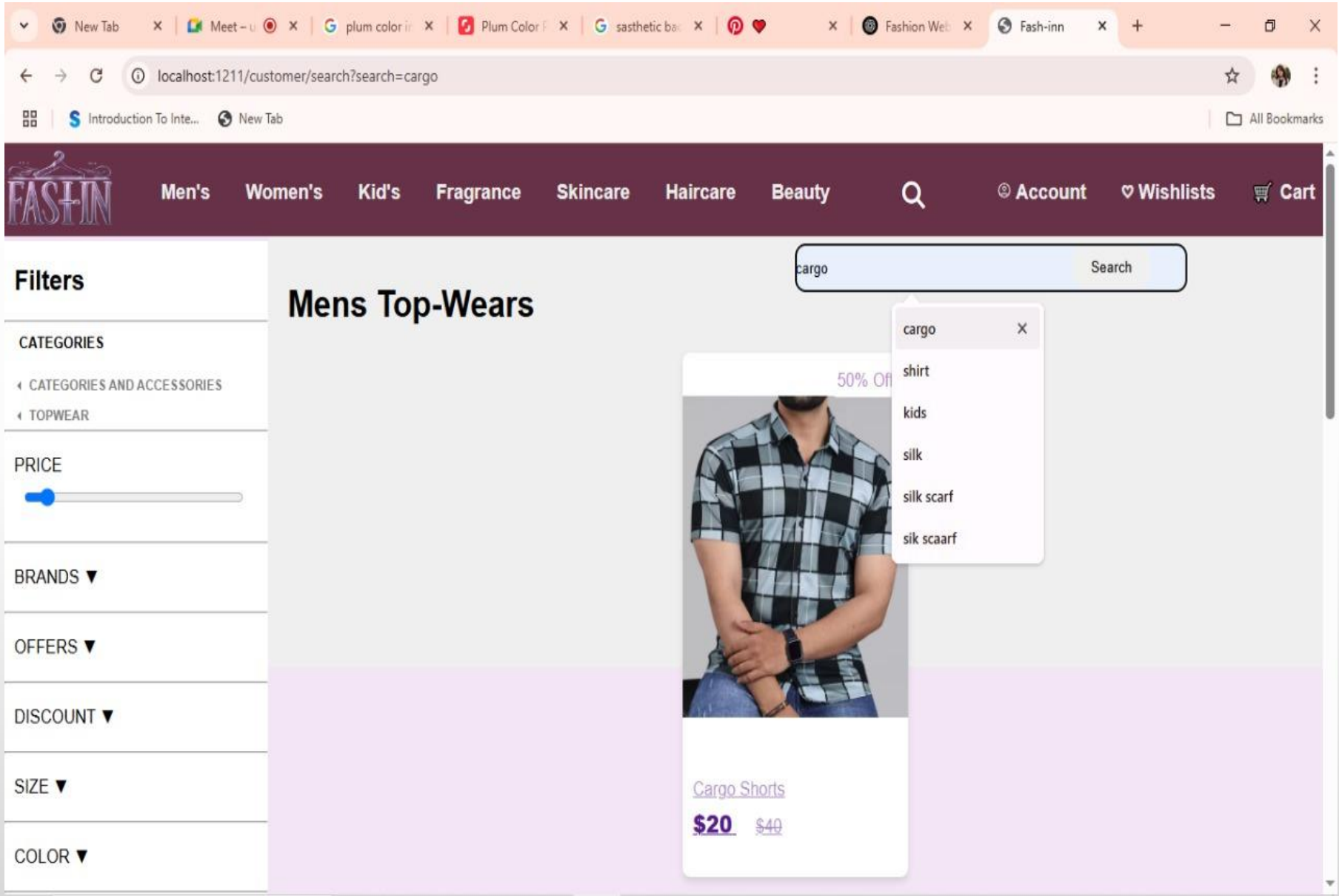
Total Amount: $0

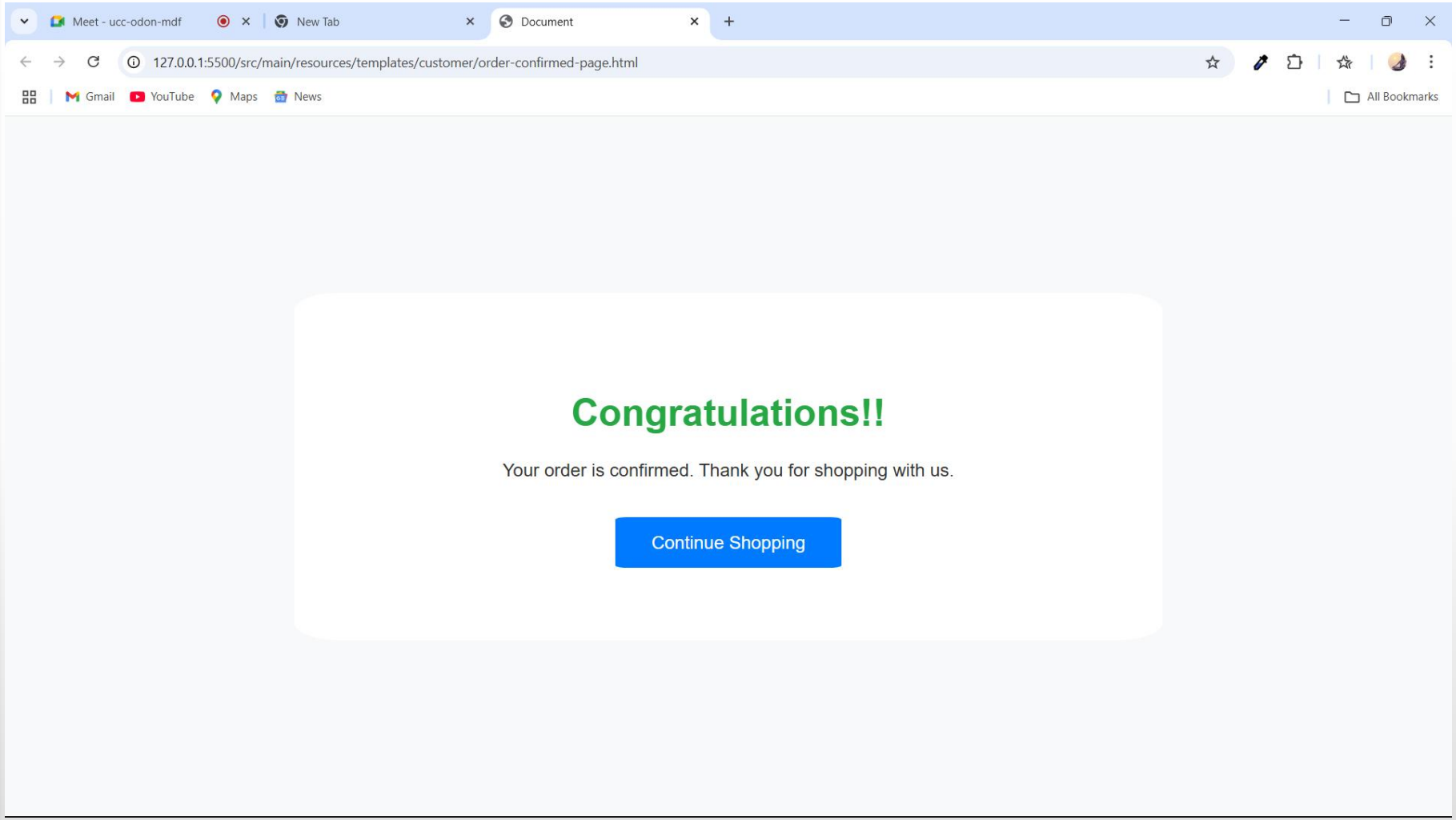
Select Payment Method: Cash on Delivery


Meet - ucc-odon-mdf
Sign-In
Document
Cart
localhost:1211/customer/sign-in?error
Gmail
YouTube
Maps
News
All Bookmarks
FASHIN
Sign In
Invalid username/password
Email or mobile number
Password
Sign In
OR
Sign-In with OTP
Forgot Password?
Remember me
New to Fash-in? Sign up now


New Tab
Fash-inn
localhost:1211/customer/plp?category=b1234567-89ab-4cde-1234-56789abcdef1
Introduction To Inte...
New Tab
All Bookmarks
FASHIN
Men's
Women's
Kid's
Fragrance
Skincare
Haircare
Beauty
Account
Wishlists
Cart
Filters
CATEGORIES
CATEGORIES AND ACCESSORIES
TOPWEAR
PRICE
BRANDS ▼
OFFERS ▼
DISCOUNT ▼
SIZE ▼
COLOR ▼
Mens Top-Wears
50% Off
50% Off
50% Off
50% Off
Add To Wishlist
Silk Scarf
Sneakers
Oversized Sunglasses
Leather Handbag
$20 $40
$20 $40
$20 $40
$20 $40
localhost:1211/customer/product/pdp?product=2c571923-c4b1-48e3-b7df-32af1ec85753


New Tab
Meet – u
plum color ir
Plum Color F
sasthetic ba
Fashion Web
Fash-inn
localhost:1211/customer/product/pdp?product=1b663720-6580-4319-b41b-89cf19503999
Introduction To Inte...
New Tab
All Bookmarks
FASHIN
Men's
Women's
Kid's
Fragrance
Skincare
Haircare
Beauty
Account
Wishlists
Cart
A luxurious silk scarf with a vibrant pattern, adding elegance to any outfit.
Select Size
S
M
L
XL
Add to Wishlist
Add to Bag
Select Delivery Location
Apply
Customer Reviews
★★★★☆


New Tab
Fash-inn
localhost:1211/customer/search?search=cargo
Introduction To Inte...
New Tab
All Bookmarks
FASHIN
Men's
Women's
Kid's
Fragrance
Skincare
Haircare
Beauty
Account
Wishlists
Cart
Filters
CATEGORIES
CATEGORIES AND ACCESSORIES
TOPWEAR
PRICE
BRANDS ▼
OFFERS ▼
DISCOUNT ▼
SIZE ▼
COLOR ▼
Mens Top-Wears
cargo
Search
cargo
shirt
kids
silk
silk scarf
sik scaarf
50% Off
Cargo Shorts
$20
$40


Meet - ucc-odon-mdf
New Tab
Document
127.0.0.1:5500/src/main/resources/templates/customer/order-confirmed-page.html
Gmail
YouTube
Maps
News
All Bookmarks
Congratulations!!
Your order is confirmed. Thank you for shopping with us.
Continue Shopping

Contents

TOPIC

- ABSTRACT
- INTRODUCTION
- PURPOSE
- SCOPE
- TOOLS FOR DEVELOPMENT
- PROJECT GOALS
- GANTT CHART
- DESIGN
- SNAPSHOTS OF WEBPAGE
- CONCLUSION

Conclusion

The *FashIn* Web Application* successfully delivers a seamless and user-friendly platform for fashion enthusiasts. By offering an intuitive interface, well-organized product categories, and a visually appealing design, the application enhances the online shopping and lifestyle experience. With features such as user profiles, fashion blogs, trend updates, and a responsive shopping module, the platform ensures easy navigation and engagement. The efficient order management further improves customer satisfaction. Moving forward, continuous improvements based on user feedback, expansion of product offerings, and enhanced marketing strategies will help the platform grow and attract a wider audience. This project lays a strong foundation for future developments in the digital fashion and lifestyle industry.

THANK YOU