



PROJECT : E-COMMERCE WEBSITE

Student Details

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Batch : MSc IT 2022-2024

Internship Detail

On Campus

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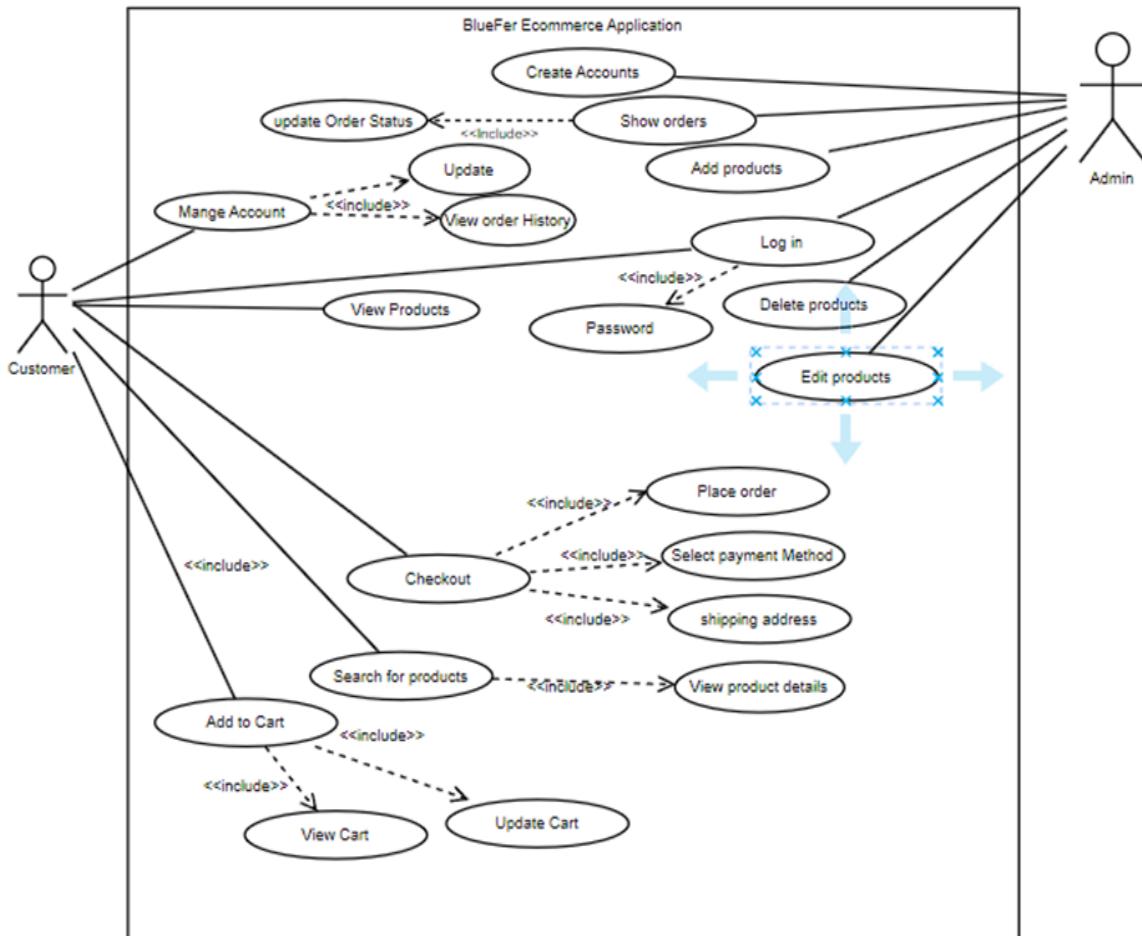
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Introduction

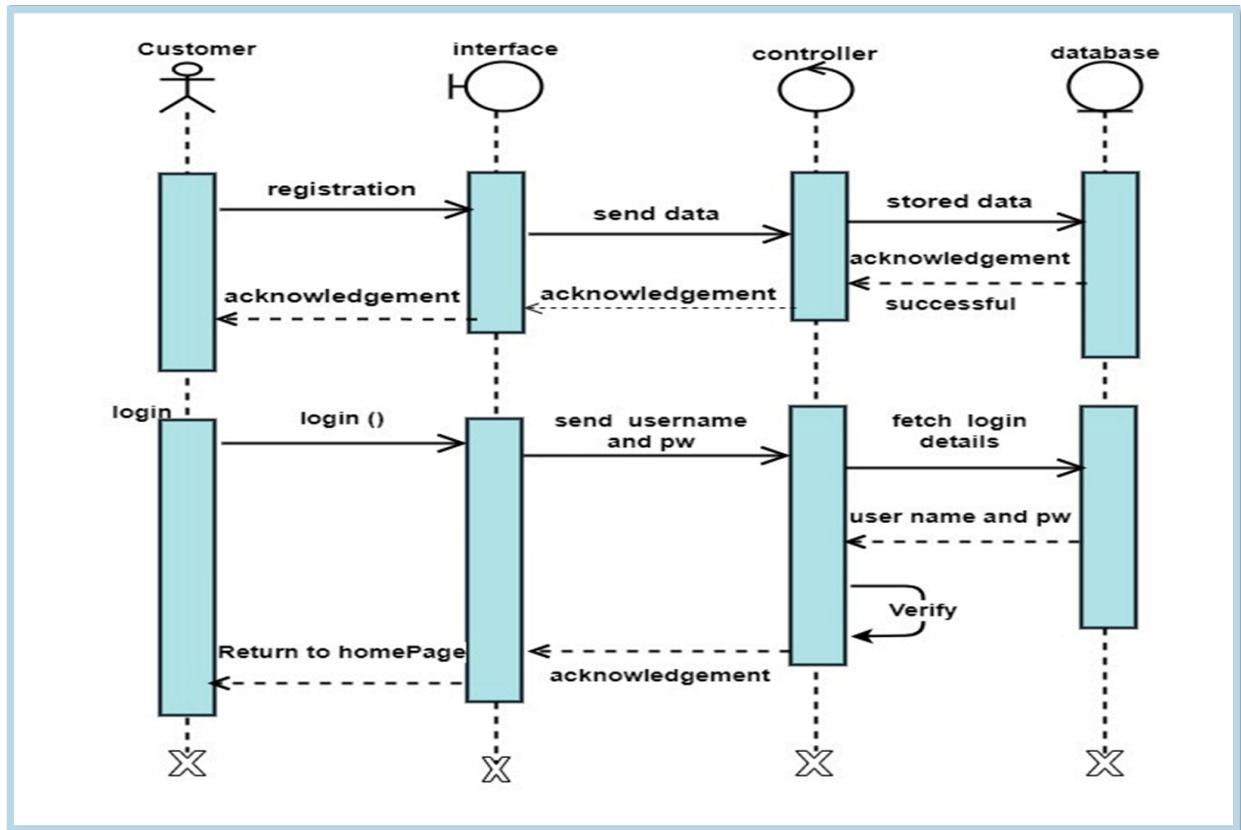
- The Name of the website is BlueFer E-Commerce
- This is going to be one-stop destination for all things related to fashion-forward and trendy Products
- The website contains every types of collection of clothing including stylish tops,kurta,bottoms wears etc.
- With our user-friendly interface and easy navigation make shopping at BlueFer easy.
- Easy Payment System ensures a seamless shopping experience.
- It only offers high quality products and a hassle-free shopping experience
- It is perfect location for shopping for yourself or If your searching for the perfect gift.

Use Case Diagram

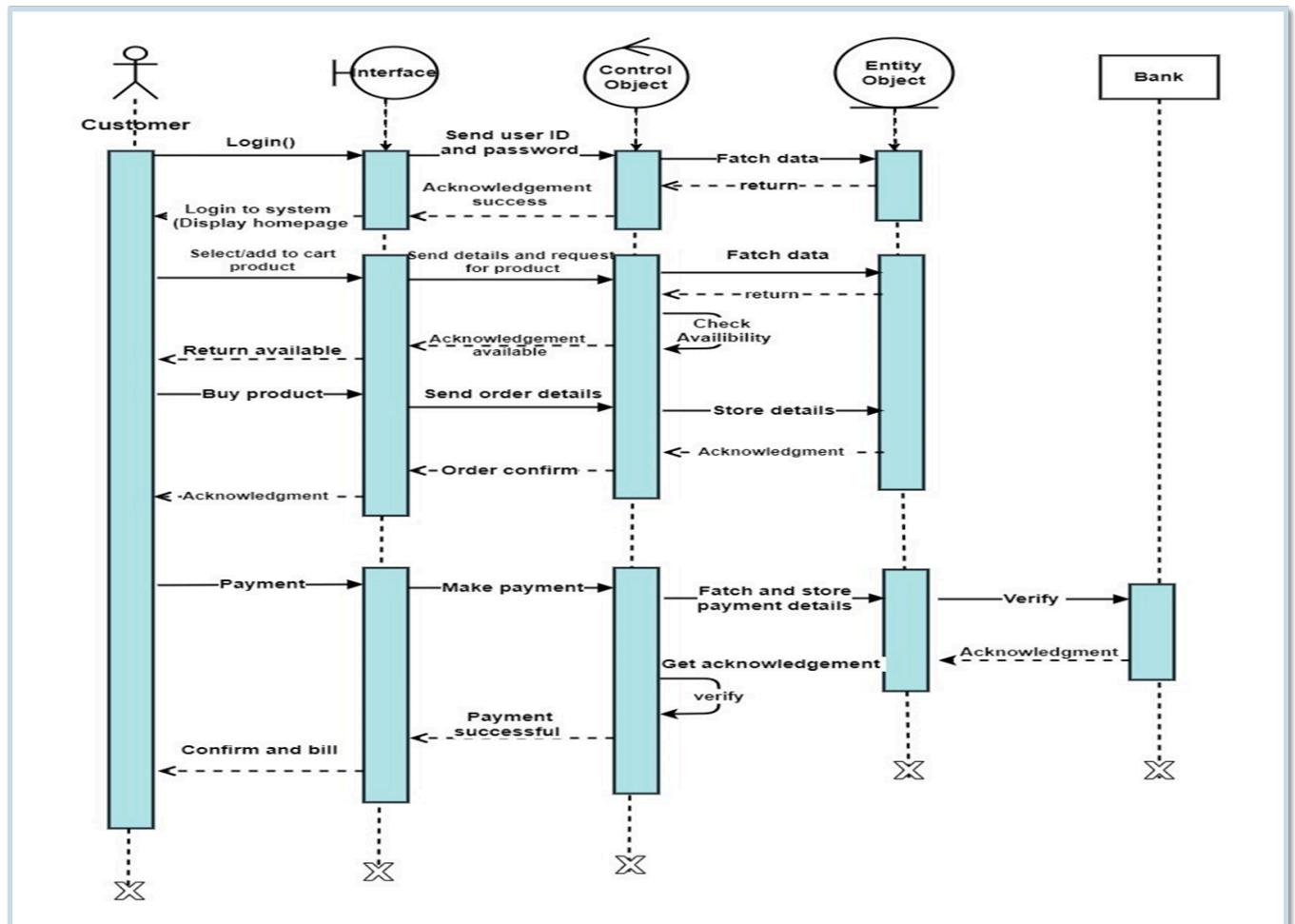


Sequence Diagram

- User Registration and Login



- Place Order



Scope Statement

- Objectives
 - Develop a fully functional website using the MERN (MongoDB, Express.js, React.js, Node.js) stack to facilitate online buying activities.
- Functional Requirements
 - User Registration and Authentication: Implement user authentication system allowing users to sign up, log in, and manage their accounts.
 - Product Catalog: Create a dynamic product catalog with categories, product descriptions, images, and pricing.
 - Shopping Cart: Develop a shopping cart feature enabling users to add/remove items, update quantities, and proceed to checkout.
 - Payment Gateway Integration: Integrate a secure payment gateway to facilitate online transactions.
 - Order Management: Implement order tracking, status updates, and order history for users.
 - Admin Panel: Develop an admin panel with functionalities for managing products, orders, users, and content.
 - Search and Filtering: Implement search and filtering options to help users find products efficiently.
- Non-functional Requirements:
 - Performance: Ensure fast loading times and efficient server-side operations to provide a seamless user experience.
 - Security: Implement robust security measures to protect user data, prevent unauthorized access, and secure payment transactions.
 - Usability: Ensure the website is easy to navigate for users of all technical levels.
 - Compatibility: Ensure compatibility with major web browsers and devices.

Detailed Use Case

- User Registration:

Input:, Firstname,lastName, email, password).

Output:

Success:

HTTP Status Code: 200

Message: "User Registered Successfully".

Failure:

HTTP Status Code: 500

Response Body:Error message indicating the cause of the failure.

- User Login:

Input: email, password

Output:

Success:

HTTP Status Code: 200

Response Body:JWT for authentication.

Message: "Login SuccessFull".

Failure: If user is not found:HTTP Status Code: 404

Response Body: Message: "User Not Found" along with the email provided.

If password is invalid: HTTP Status Code: 401

Response Body:Message: "Invalid Password".

If any other error occurs during login process: HTTP Status Code: 500

Response Body:Error message indicating the cause of the failure.

- Find User Cart:

Input: HTTP Request with user authentication token.

Output:

Success: HTTP Status Code: 200

Response Body:JSON object representing the user's cart.

Failure:

HTTP Status Code: 500

Response Body:Message: "Failed to get user cart."

- Add item to User Cart

Input:User Token And ProductID.

Output:

Success:

HTTP Status Code: 200

Response Body:JSON object representing the updated cart item.

Failure:

HTTP Status Code: 500

Response Body:Error message indicating the cause of the failure.

- Update Cart Item:

Input:User With productId

Output:

Success:

HTTP Status Code: 200

Response Body:JSON object representing the updated cart item.

Failure:

HTTP Status Code: 500

Response Body:Error message indicating the cause of the failure.

- Remove Cart Item:

Input:User With productId

Output:

Success:

HTTP Status Code: 200

Response Body:JSON object representing the updated cart item.

Failure:

HTTP Status Code: 500

Response Body:Error message indicating the cause of the failure.

- Create Payment Link:

Input: OrderId

Output:

Success:

HTTP Status Code: 200

Response Body:Payment link generated for the specified context.

Failure:

HTTP Status Code: 500

Response Body:Error message indicating the cause of the failure.

- Update Payment Information:
Input:Payment Information
Output:
Success:
HTTP Status Code: 200
Response Body: Message confirming that the payment information has been successfully updated.
Failure:
HTTP Status Code: 500
Response Body:Error message indicating the cause of the failure.
- Create Product:
Input:All Details related To Product
Output:
Success:
HTTP Status Code: 200
Response Body:Product Created Successfully

Failure:
HTTP Status Code: 500
Response Body:Product do not created.
- Delete Product:
Input: product ID
Output:
Success:
HTTP Status Code: 200
Response Body:Product deleted SuccessFully.
Failure:
HTTP Status Code: 500
Response Body:Failed to delete Product.
- Find Product by ID:
Input:product ID
Output:
Success:
HTTP Status Code: 201
Response Body:JSON object representing the found product.
Failure:
HTTP Status Code: 500
Response Body:Error message indicating the cause of the failure.

- Get All Products:
 - Input:HTTP Request with optional query parameters for pagination, sorting, etc.
 - Output:
 - Success:
 - HTTP Status Code: 201
 - Response Body:JSON array containing all products based on the query parameters.
 - Failure:
 - HTTP Status Code: 500
 - Response Body:Error message indicating the cause of the failure.
- Confirm Order:
 - Input:HTTP Request with order ID in the URL parameters.
 - Output:
 - Success:
 - HTTP Status Code: 200
 - Response Body:JSON object representing the confirmed order.
 - Failure:
 - HTTP Status Code: 500
 - Response Body:Error message indicating the cause of the failure.
- Delete Orders:
 - Input: order ID
 - Output:
 - Success:HTTP Status Code: 200
 - Response Body:JSON object representing the deleted orders.
 - Failure:
 - HTTP Status Code: 500
 - Response Body:
 - Error message indicating the cause of the failure.

Tools and technologies

Platform: MongoDB

It maintains the database Objects and related stored procedures.

Platform: React JS library

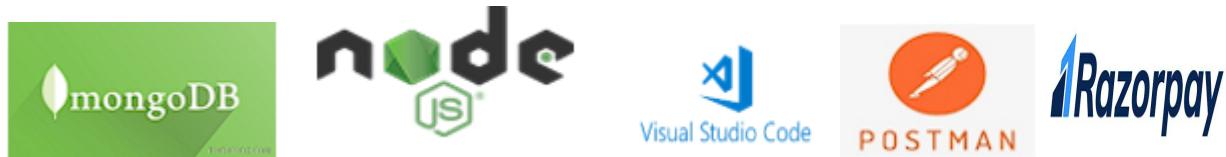
ReactJS works as a front-end and retrieves data from the .Net Core Web API. It proceeds with the record and displays it in the browser.

Language: JavaScript

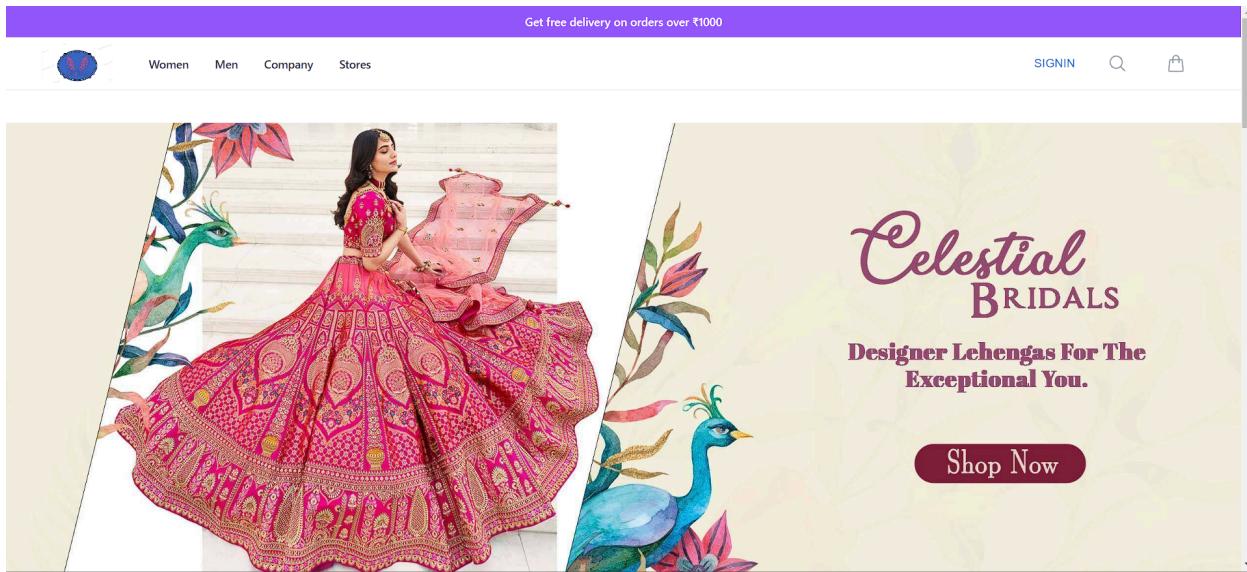
Platform: Node JS library

NodeJS works as a back-end and fetches data from the database and returns responses in JSON format. Language: JavaScript

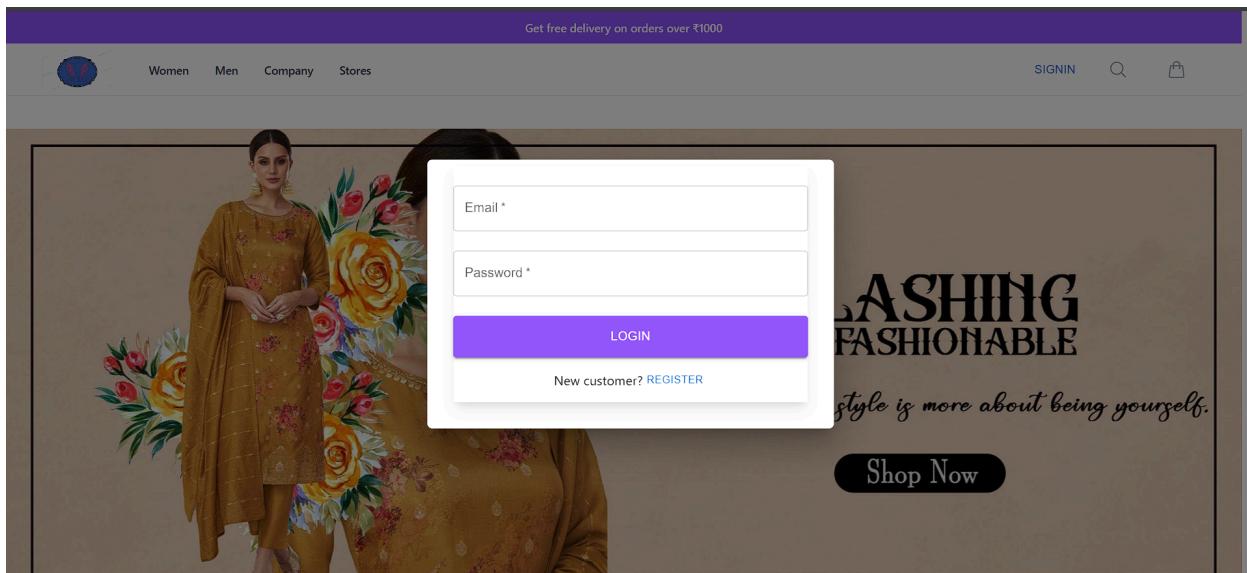
Other tools: Postman, VS Code, RazorPay



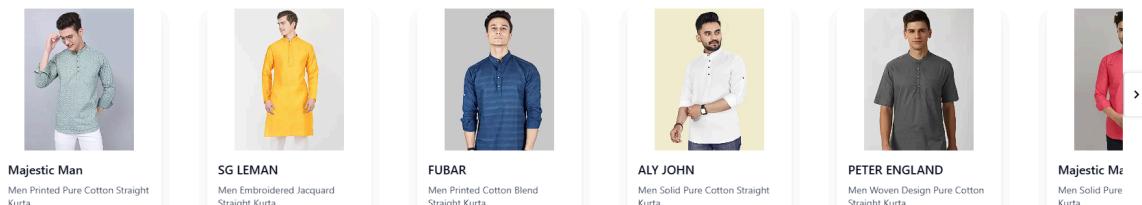
SnapShots



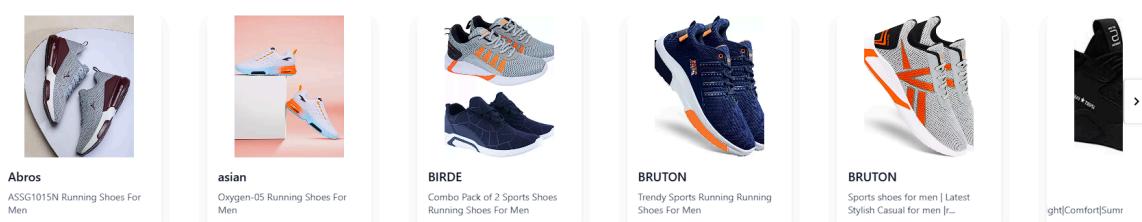
Login Page:



Men's Kurta

[See More](#)

Shoes

[See More](#)

Get free delivery on orders over ₹1000

Women **Men** Company Stores

N

clothing	Accessories	Brands
Blazers	Watches	Re-Arranged
Suits	Wallets	Counterfeit
Shirts	Bags	Full Nelson
Jeans	Sunglasses	My Way
Track Pants	Hats	
Cargos	Belts	
Sweaters		
T-Shirts		
Traditionals		
Mens kurtas		

New Arrivals
[Shop now](#)

Artwork Tees
[Shop now](#)

Shop Now

Product Page

Get free delivery on orders over ₹1000



Women Men Company Stores

N 2

New Arrivals

Filters



Color



Size



Price



Discount Range



Availability



KSH Trendz
Men Solid Pure Cotton
Straight Kurta
Yellow
₹265 ₹499 82% off

CELLUX
Men Printed Cotton Blend
Straight Kurta
White
₹284 ₹2999 90% off

CELLUX
Men Printed Cotton Blend
Straight Kurta
Dark Green
₹284 ₹2999 90% off

NFC CREATION
Men Printed Pure Cotton
Straight Kurta
Orange
₹298 ₹999 70% off

COSMOS ART ENTERPRISE
Men Printed Pure Cotton
Straight Kurta
Blue
₹299 ₹999 70% off

Product Details Page



Women Men Company Stores



Men \ clothing \ NFC CREATION



NFC CREATION

Men Printed Pure Cotton Straight Kurta

₹298 ₹999 70% OFF

★★★★★ 4560 Ratings [Reviews](#)

Size

S

M

L

XL

XXL

[ADD TO CART](#)

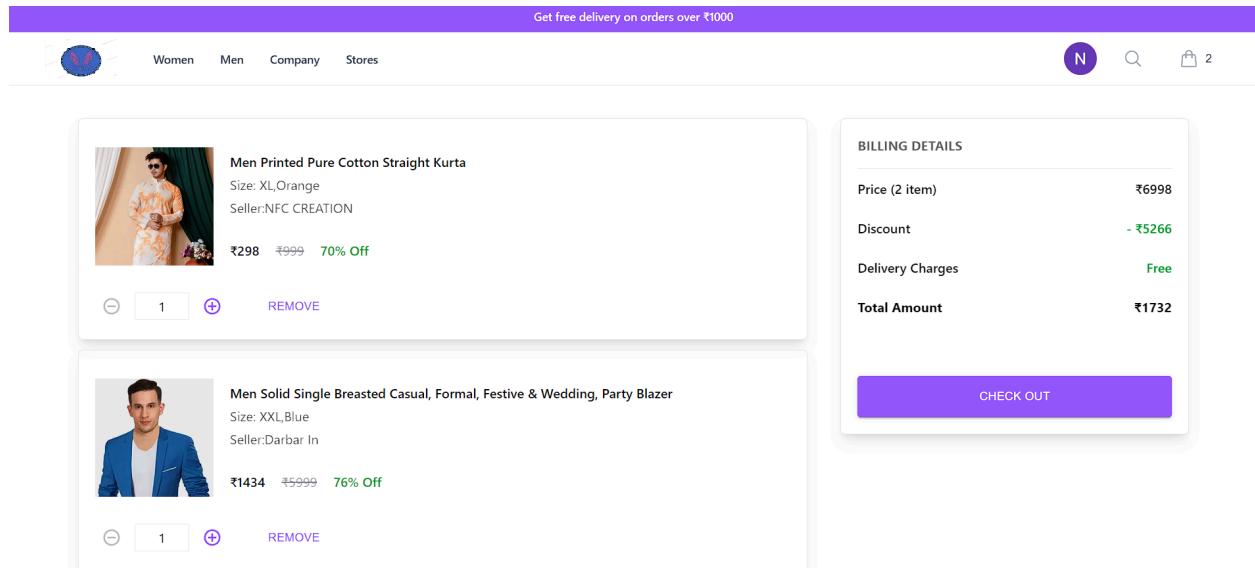
A traditional garment embodying elegance and grace. Crafted from fine fabrics, it features intricate embroidery and a relaxed fit, providing comfort and style.

Highlights

- Hand cut and sewn locally
- Dyed with our proprietary colors
- Pre-washed & pre-shrunk
- Ultra-soft 100% cotton

Cart Page

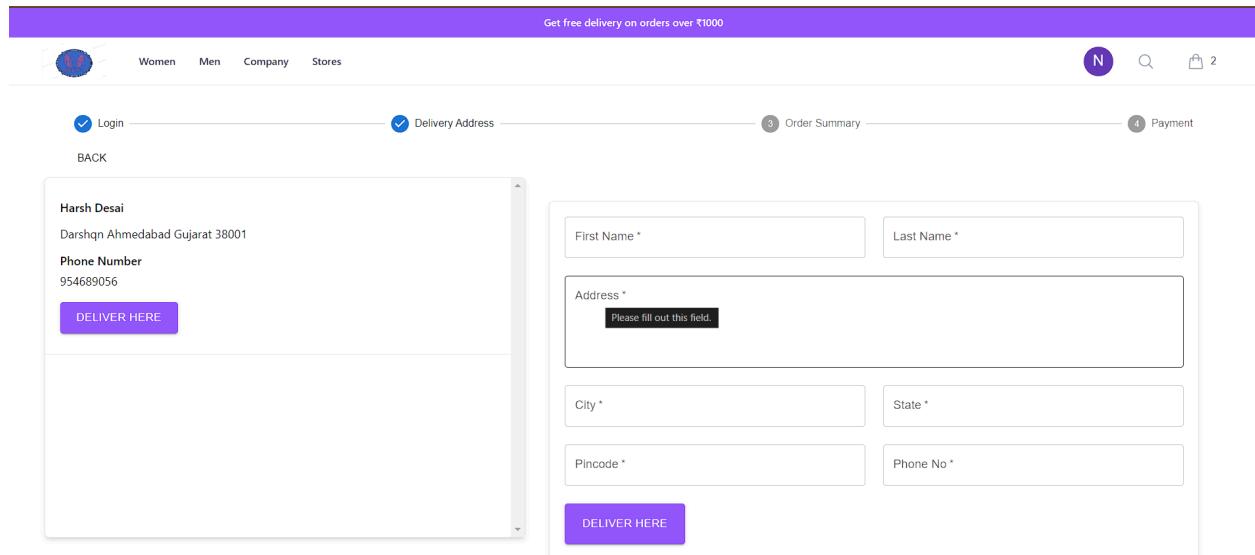
Get free delivery on orders over ₹1000



The screenshot shows a shopping cart page with two items. Item 1: Men Printed Pure Cotton Straight Kurta, Size: XL, Orange, Seller: NFC CREATION, Price: ₹298, Original Price: ₹999, 70% Off. Item 2: Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer, Size: XXL, Blue, Seller: Darbar In, Price: ₹1434, Original Price: ₹5999, 76% Off. Both items have quantity selection buttons (minus, plus) and a 'REMOVE' button. To the right is a 'BILLING DETAILS' section showing Price (2 item): ₹6998, Discount: - ₹5266, Delivery Charges: Free, Total Amount: ₹1732, and a 'CHECK OUT' button.

Delivery Address Page

Get free delivery on orders over ₹1000



The screenshot shows the delivery address page. It includes a navigation bar with icons for login, delivery address, order summary, and payment. Below the navigation, there's a 'BACK' button. On the left, a sidebar shows a user profile: Harsh Desai, Darshqn Ahmedabad Gujarat 38001, Phone Number: 954689056, and a 'DELIVER HERE' button. On the right, there are input fields for First Name*, Last Name*, Address* (with a note: 'Please fill out this field.'), City*, State*, Pincode*, Phone No*, and another 'DELIVER HERE' button.

OrderSummary Page

The screenshot shows the OrderSummary Page. At the top, there's a purple header bar with the text "Get free delivery on orders over ₹1000". Below it is a navigation bar with links for "Login", "Women", "Men", "Company", "Stores", a search icon, and a shopping cart icon showing "2". The main content area has tabs for "Delivery Address" and "Order Summary". A "BACK" link is also present. The "Order Summary" tab is active, displaying two items:

- Men Printed Pure Cotton Straight Kurta**
Size: XL,Orange
Seller:NFC CREATION
₹298 ₹999 70% Off
- Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer**
Size: XXL,Blue
Seller:Darbar In
₹1434 ₹5999 76% Off

BILLING DETAILS

Price (2 item)	₹6998
Discount	-₹5266
Delivery Charges	Free
Total Amount	₹1732

PAYMENT

Payment Gateway Page

The screenshot shows the Payment Gateway Page from Razorpay. It features a header with the logo and name "NAITIK HITESHKUMAR DESAI". Below it, a message states "This payment link is created in Test Mode. Only test payments can be made for this." The main section is titled "Payment Request from NAITIK HITESHKUMAR DESAI" and displays the "AMOUNT PAYABLE" as "INR 1,732.00". To the right, there's a "Contact Details" section with a dropdown for "+91" and a field for "Phone Number". At the bottom right is a large blue "Proceed" button. At the very bottom, there's a footer with the "Razorpay" logo and icons for UPI, VISA, RuPay, and Mastercard.

Payment Success

Get free delivery on orders over ₹1000

Women Men Company Stores N 🔍 2

Payment Success
Congratulation Your Order Get Placed

Placed Order Confirmed Shipped Out For Delivery Delivered


Men Printed Pure Cotton Straight Kurta
Color: Orange Size: XL
Seller: NFC CREATION ₹999


Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer
Color: Blue Size: XXL
Seller: Darbar In ₹5999

Harsh Desai
Darshqn Ahmedabad Gujarat 38001
Phone Number
954689056

Harsh Desai
Darshqn Ahmedabad Gujarat 38001
Phone Number
954689056

My Order

Get free delivery on orders over ₹1000

Women Men Company Stores N 🔍 2

Filter

Order Status

On The Way
 Delivered
 Cancelled
 Returned


Men Printed Pure Cotton Straight Kurta
Size:XL
Color:Orange ₹298


Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer
Size:XXL
Color:Blue ₹1434

🕒 Expected Delivery On May 18
Your item is on its way

🕒 Expected Delivery On May 18
Your item is on its way

Get free delivery on orders over ₹1000

Women Men Company Stores

N 2

Delivery Address
 Harsh Desai
 Darshn Ahmedabad Gujarat 38001
Phone Number
 954689056

Placed Order Confirmed Shipped Out For Delivery Delivered CANCEL ORDER

Men Printed Pure Cotton Straight Kurta
 Color: Orange Size: XL
 Seller: NFC CREATION ₹298 ★ Rate & Review Product

Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer
 Color: Blue Size: XXL
 Seller: Darbar In ₹1434 ★ Rate & Review Product

Product Rating & Review

Get free delivery on orders over ₹1000

Women Men Company Stores

N

Rate & Review Product

Men Printed Pure Cotton Straight Kurta
 NFC CREATION ₹999
 Size: FREE
 Color: Orange

Rate This Product

Title

Description

SUBMIT REVIEW

Admin DashBoard

Overall View
Total 48.5% growth this month

Recent Products

Image	Title	Category	Price	Quantity
	Men Embroidered Jacquard Straight Kurta SG LEMAN	mens_kurta	799	80
	Men Woven Design Pure Cotton Straight Kurta PETER ENGLAND	mens_kurta	524	50
	Men Solid Cotton Blend Straight Kurta wross	mens_kurta	399	100
	Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer Darbar In	men_blazer	1434	100
	Printed Semi Stitched Lehenga Choli (Free Size) Trivety	lengha_choli	439	100
	Self Design Semi Stitched Lehenga Choli	lengha_choli	3599	100

Recent Orders

Image	Title	Order Id	Price	Status
	Men Embroidered Jacquard Straight Kurta	662ca7d08179c3d009b71883	799	PLACED
	Printed Semi Stitched Lehenga Choli (Free Size) Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer	662fb4a3e2c22860aabaf41c	1873	PLACED
	Printed Semi Stitched Lehenga Choli (Free Size) Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer	662fb4b7e2c22860aabaf433	1873	PLACED
	Men Woven Design Pure Cotton Straight Kurta	66310151ab490c376959724e	524	PLACED
	Self Design Semi Stitched Lehenga Choli	66310526ab490c3769597b91	3599	PLACED

Product View

Sort

Availability Sort By Price

All Products

Image	Title	Category	Price	Quantity	Delete
	Casual Sleeveless Printed Women Red, White, Yellow Top Bloknot	women_top	249	100	DELETE
	Men Solid Pure Cotton Straight Kurta KSH Trendz	mens_kurta	265	100	DELETE
	Men Printed Cotton Blend Straight Kurta CELUX	mens_kurta	284	100	DELETE
	Men Printed Cotton Blend Straight Kurta CELUX	mens_kurta	284	100	DELETE
	Printed Crepe Stitched Anarkali Gown NE STYLE	gowns	298	100	DELETE
	Men Printed Pure Cotton Straight Kurta NFC CREATION	mens_kurta	298	100	DELETE
	Men Printed Pure Cotton Straight Kurta COSMOS ART ENTERPRISE	mens_kurta	299	100	DELETE
	Casual Bell Sleeves Printed Women White, Pink Top MARY	women_top	313	100	DELETE
	Pack of 2 Women Solid Round Neck Pure Cotton White, Bla Young Trendz	women_top	354	100	DELETE
	Casual Balloon Sleeve Self Design Women Black Top Tokyo Tales	gowns	359	100	DELETE

Orders View

The screenshot shows a dark-themed web application interface for managing orders. On the left, a sidebar menu includes options like Dashboard, Products, Customers, Orders, and Add Product. The main area is titled "Sort" and contains a dropdown for "Status" and a "Sort By" button. Below this is a section titled "All Orders" with a table header: Image, Title, Id, Price, Status, Update, and Delete. The table lists several items with their details:

Image	Title	Id	Price	Status	Update	Delete
	Men Embroidered Jacquard Straight Kurta SG LEMAN	662ca7d08179c3d009b71883	2499	SHIPPED	STATUS	DELETE
	Printed Semi Stitched Lehenga Choli (Free Size) Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer Trively Darbar In	662b4a3e2c22860aabaf41c	7798	SHIPPED	STATUS	DELETE
	Printed Semi Stitched Lehenga Choli (Free Size) Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer Trively Darbar In	662b4b7ae2c22860aabaf433	7798	PLACED	STATUS	DELETE
	Men Woven Design Pure Cotton Straight Kurta PETER ENGLAND	66310151ab490c376959724e	1049	DELIVERED	STATUS	DELETE
	Self Design Semi Stitched Lehenga Choli Asomtime	66310526ab490c3769597b91	3999	PLACED	STATUS	DELETE
	Men Woven Design Pure Cotton Straight KurtaMen Solid Cotton Blend Straight Kurta PETER ENGLAND WROSS	66332aa0141bb24745b404	2048	CONFIRMED	STATUS	DELETE
	Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer Darbar In	663366e437e9b7d278807c78	5999	PLACED	STATUS	DELETE
	Printed Semi Stitched Lehenga Choli (Free Size) Trively	6633b8594b722b279653ac72	1799	PLACED	STATUS	DELETE
	Men Printed Pure Cotton Straight KurtaMen Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer NFC CREATION Darbar In	6634cb3af5a05eb8195360	6998	PLACED	STATUS	DELETE

OrderDetails Views

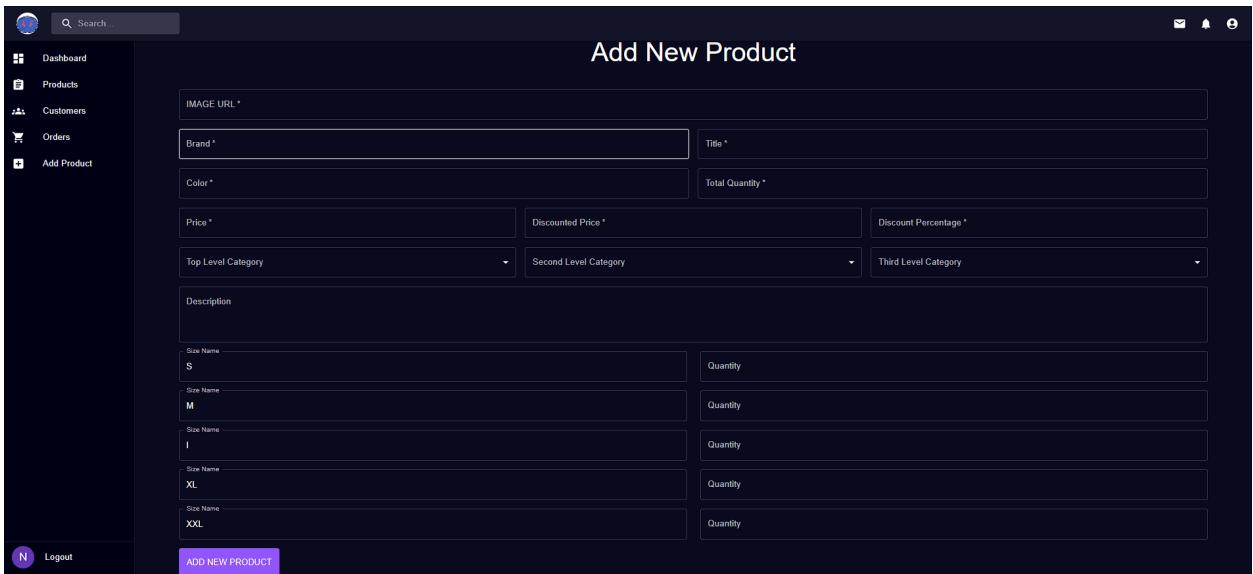
The screenshot shows a dark-themed web application interface for viewing order details. On the left, a sidebar menu includes options like Dashboard, Products, Customers, Orders, and Add Product. The main area displays the "Delivery Address" for Harsh Desai, located at Darshqn Ahmedabad Gujarat 38001, with a phone number of 954689056.

Below the address, there are two order items listed in boxes:

- Men Printed Pure Cotton Straight Kurta**
Color: Orange Size: XL
Seller: NFC CREATION
₹298
- Men Solid Single Breasted Casual, Formal, Festive & Wedding, Party Blazer**
Color: Blue Size: XXL
Seller: Darbar In
₹1434

At the bottom left is a purple circular button with a white 'N' icon labeled "Logout".

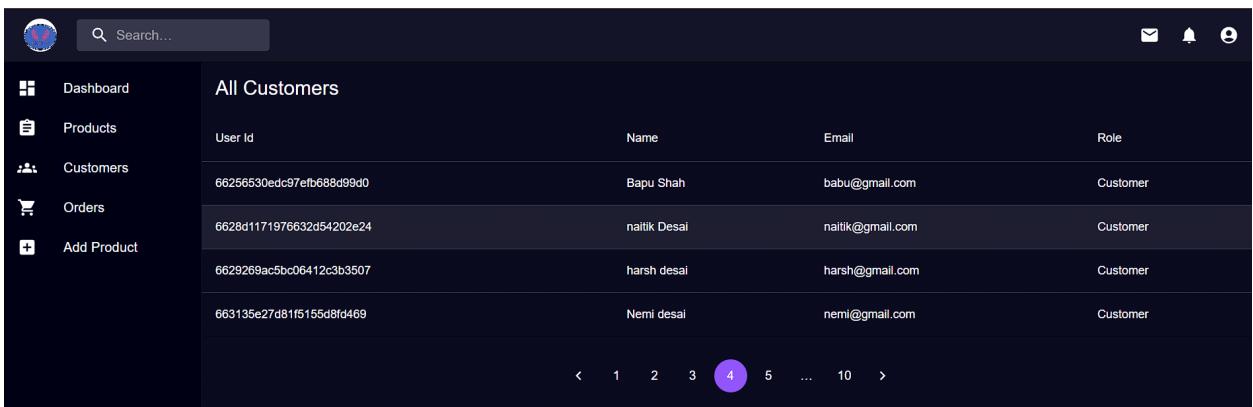
Add product page



The screenshot shows a dark-themed web application interface for adding a new product. On the left is a sidebar with navigation links: Dashboard, Products, Customers, Orders, and Add Product. The main title "Add New Product" is centered at the top. Below it is a form with fields for IMAGE URL, Brand, Color, Price, Discounted Price, Total Quantity, and three dropdown menus for Category levels. There's also a large Description text area and a section for sizes and quantities. At the bottom is a purple "ADD NEW PRODUCT" button.

Size Name	Quantity
S	
M	
L	
XL	
XXL	

Customer



The screenshot shows a dark-themed web application interface for managing customers. On the left is a sidebar with navigation links: Dashboard, Products, Customers, Orders, and Add Product. The main title "All Customers" is centered at the top. Below it is a table with columns for User Id, Name, Email, and Role. The table contains four rows of customer data. At the bottom is a pagination control showing pages 1 through 10, with page 4 highlighted.

User Id	Name	Email	Role
66256530edc97efb688d99d0	Bapu Shah	babu@gmail.com	Customer
6628d1171976632d54202e24	naitik Desai	naitik@gmail.com	Customer
6629269ac5bc06412c3b3507	harsh desai	harsh@gmail.com	Customer
663135e27d81f5155d8fd469	Nemi desai	nemi@gmail.com	Customer

< 1 2 3 4 5 ... 10 >

Lesson Learned

- Learned server-side programming , API, rendering Server side pages ,Front End Part also
- Performance Optimization: Optimize website performance for fast loading times.
- Gained Practical knowledge in working with technologies React JS,MongoDb ,Node Js etc