Project Report

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Roll No: TYITA79 **Roll No: TYITA77**

Aim: To create E-commerce web application using MERN stack.

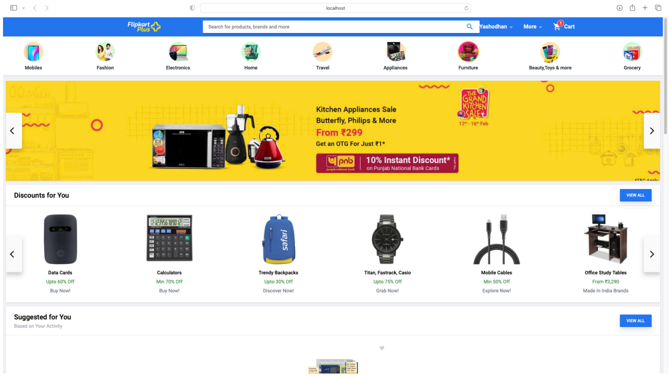
About: MERN stack is popular technology used in web development for building modern, dynamic, and scalable web applications.

Creating an e-commerce web application using the MERN stack involves using four main technologies: MongoDB, Express.js, React.js, and Node.js. Here's an overview of the steps you can follow to create an e-commerce web application using the MERN stack:

1. Plan your application: Start by outlining the features and functionalities you want your e-commerce web application to have. Determine the target audience, what products or services you want to sell, and how you want to process payments.
2. Set up your development environment: Install the necessary software, including Node.js, MongoDB, and a code editor like VS Code.
3. Create a MongoDB database: Create a database to store your product data and other information, such as customer data and order history.
4. Create a Node.js server: Use the Express.js framework to create a server that can handle requests from your frontend and interact with your database.
5. Build your React frontend: Use React.js to create a frontend that displays your products, processes customer orders, and interacts with your server.
6. Connect your frontend and backend: Use Axios or another library to connect your frontend and backend, allowing them to communicate with each other.
7. Implement payment processing: Add a payment processing system, such as Stripe or PayPal, to enable customers to pay for their orders.
8. Test and debug: Test your e-commerce web application to ensure that it functions properly and is secure. Debug any issues that arise during testing.
9. Deploy your application: Once your application is complete, deploy it to a web server so that customers can access it online.

React.js is a JavaScript library for building user interfaces. It allows developers to create reusable UI components and efficiently manage the state of an application. React.js follows a component-based architecture, where UI components can be nested together to form a complete user interface. React.js uses a virtual DOM (Document Object Model) to efficiently update the UI, making it fast and performant. React.js is maintained by Facebook and has a large community of developers who contribute to its development.

Screenshots:



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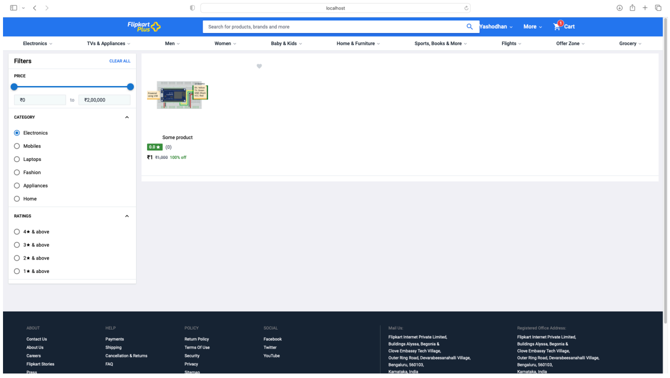

₹0 to ₹2,00,000

● Electronics
○ Mobiles
○ Laptops
○ Fashion
○ Appliances
○ Home

○ 4★ & above
○ 3★ & above
○ 2★ & above
○ 1★ & above

Some product
0.0 ★ (0)
₹1 ~~₹1,000~~ 100% off

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Contact Us	Payments	Return Policy	Facebook
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Careers	Cancellation & Returns	Security	YouTube
Flipkart Stories	FAQ	Privacy	
Press		Sitemap	

Mail Us:
Flipkart Internet Private Limited,
Buildings Alyssa, Begonia &
Clove Embassy Tech Village,
Outer Ring Road, Devarabeesanahalli Village,
Bengaluru, 560103,
Karnataka, India

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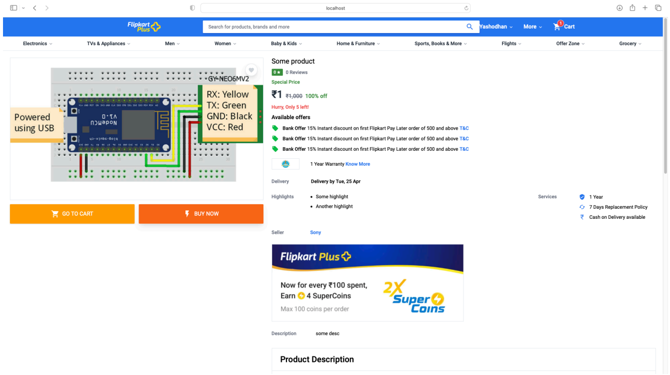


Some product
0 ★ 0 Reviews
Special Price
₹1 ~~₹1,000~~ 100% off
Hurry, Only 5 left!

Available offers

- **Bank Offer** 15% Instant discount on first Flipkart Pay Later order of 500 and above T&C
- **Bank Offer** 15% Instant discount on first Flipkart Pay Later order of 500 and above T&C
- **Bank Offer** 15% Instant discount on first Flipkart Pay Later order of 500 and above T&C

1 Year Warranty Know More

Delivery: Delivery by Tue, 25 Apr

Highlights:
- Some highlight
- Another highlight

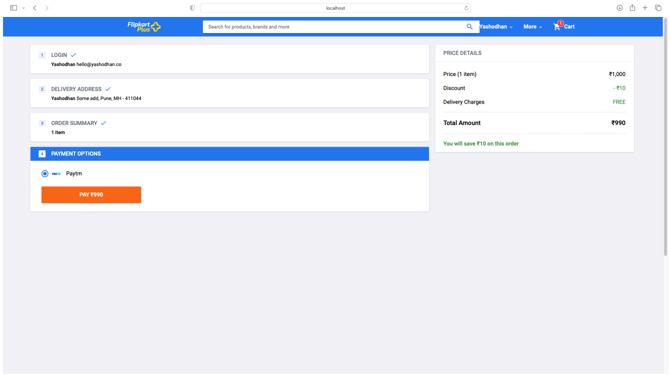
Services:
- 1 Year
- 7 Days Replacement Policy
- Cash on Delivery available

Seller: Sony

Flipkart Plus
Now for every ₹100 spent, Earn 4 SuperCoins
Max 100 coins per order
2X SuperCoins

Description: some desc

Product Description



1 LOGIN ✓
Yashodhan hello@yashodhan.co

2 DELIVERY ADDRESS ✓
Yashodhan Some add, Pune, MH - 411044

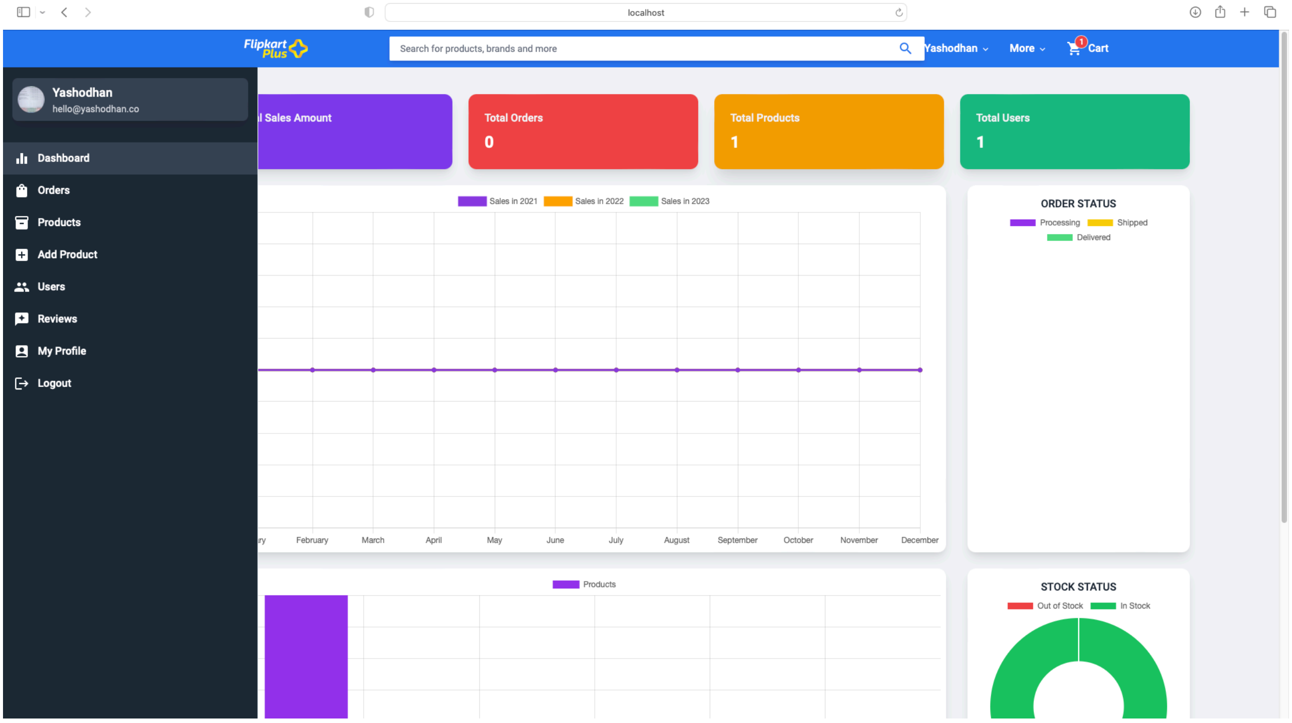
3 ORDER SUMMARY ✓
1 Item

4 PAYMENT OPTIONS
● Paytm

PRICE DETAILS

Price (1 item)	₹1,000
Discount	- ₹10
Delivery Charges	FREE
Total Amount	₹990

You will save ₹10 on this order



Yashodhan
hello@yashodhan.co

l Sales Amount	Total Orders	Total Products	Total Users
	0	1	1