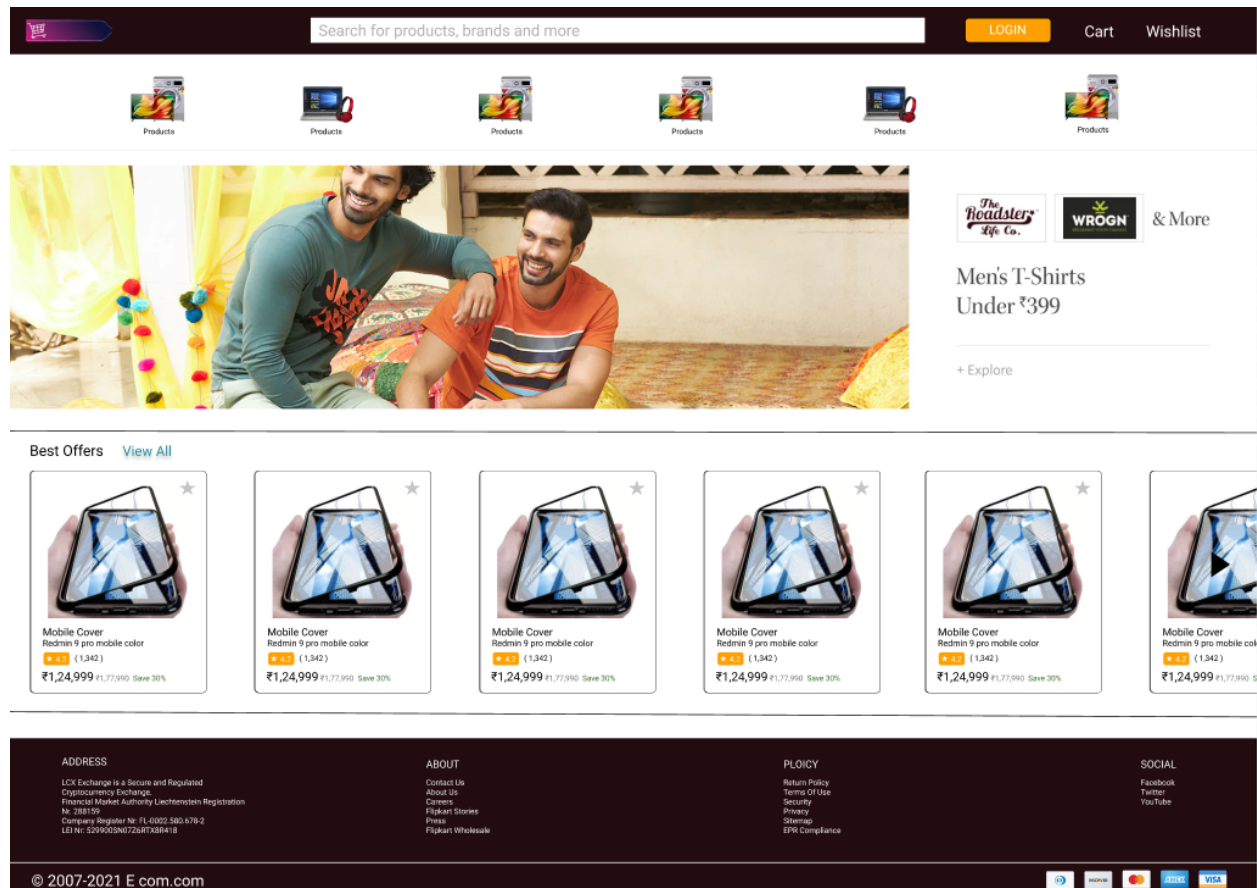


# Designing a E-Commerce Service

E-Commerce platform



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## What is E Com

E Com, also known as electronic commerce or internet commerce, refers to the buying and selling of goods or services using the internet, and the transfer of money and data to execute these transactions. Global retail ecommerce sales are projected to reach \$27 trillion by 2020.



## Why do we need E Com?



- Can Broaden Your Brand.
- It's More Convenient.
- Increase Your Reach.
- Gives You Marketing Opportunities.
- Scalable.

## Goals

- Our goal is to create an ecommerce application which can be like myntra, snapdeal, shopclues, amazon or any other website or product that comes to your mind when you hear about ecommerce.
- The end goal of this project is directly related to the placements calls which mentees would receive from partners of pesto.
- We should aim for building a full stack E Com application in which the user can select a product, add it to his cart and then finally using available payment modes place orders through it.
- Enhance tech skills on the next level.

## MVP Requirements

A version of a new product which allows a team to collect the maximum amount of validated learning about customers with the least effort.



### Auth

Show Login/Signup popup to the user when he/she lands on the site for the first time.

Open a modal on click of signup / login cta which should let users register on to the platform using social identity providers like google or mobile number derived OTP.

Only logged in users should be able to add items to the cart.

Only logged in users should be able to place orders.

### Home

Homepage of your website should contain a login/signup option.

### Search

Users should be given search functionality on the homepage to search for products. Place the search bar either at the top of the carousel or banner so that it is clearly visible.

### Menu

The navigation menu should be placed on the right side of the page. List categories of products which can be fetched from API.

Users should be able to access item categories from the Hamburger menu.

Users should be able to browse items by categories mentioned on Home Page.

### Carousel

Add a carousel or a banner displaying an image of a shopper shopping from a website.

### Wishlist

User should be able to add items to wishlist

### Product Listing

Users should be able to browse items by categories mentioned on Home Page.

## Product Description

Users should be able to see detailed descriptions of an item by clicking on it. Users should be able to select Size, Quantity before adding items to the cart. Users should be able to add and remove items in the cart.

## User

Users should be able to set their default shipping address.

## Order History

Users should be able to see their order history.

## Responsive

Websites should be mobile responsive. users should be able to browse/purchase items on their mobile browser.

## Additional Requirements

Cover all the bonus requirements once you are done with the basic requirements and have time left to focus on additional features.



## Payment

Integrate Razorpay, Users should be able to set default payment method.

## Test cases

Write Test cases for your components in jest & react testing library on Front-end and mocha or chai on back-end.

## Test Suites

If you have sufficient time then also add integration tests suites on front-end in cypress or on back-end in selenium or other specific tools.

## Multiple Language Support

Add multiple language support for your site. Users should be able to change site language from header. all text content should be in the selected language. keep English as the default language.

## Google Analytics

Add google analytics based event tracking on front-end

## High Level Overview of Application

There will be in total 7 pages in the application:-

1. Homepage
2. Product Listing
3. Product Details
4. Wishlist
5. Check-Out
6. Payment Screen
7. Order History

There will be in total 6 pages in the application:-

1. Auth model
2. Payment Failure / Success
3. Thank You

## Technology Stack

Frontend - React ( Redux )

Backend - Node ( Express )

DataBase - MongoDB

## Deployment

Frontend - Netlify

Backend - Heroku

DataBase - Mongo Atlas

## Links

Frontend - <https://devecom.netlify.app/>

Backend - <https://ecom99.herokuapp.com/>

## Repository

Frontend - [https://github.com/storyofcoder/ecom\\_frontend](https://github.com/storyofcoder/ecom_frontend)

Backend - [https://github.com/storyofcoder/ecom\\_backend](https://github.com/storyofcoder/ecom_backend)

Thank You

