

# FSD Jury Examination

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**Course : Full Stack Front-end Development ( 23IT3001)**

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**Class : TY IT SMAD**

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## Problem Scope and Objectives

The project aims to develop a React-based online pharmacy web app that allows users to browse, search, and purchase healthcare products with ease. It provides features like cart management, checkout, and persistent login using React Router, Context API, and localStorage. The system ensures a smooth, responsive, and user-friendly experience for convenient online medicine shopping.

**#1**

### Dynamic Cart Management -

This feature uses React Context API for global state management and synchronizes data with localStorage for persistence across sessions.

**#2**

### User Authentication & Profile Management -

All data is securely stored in the browser using localStorage, and the navigation bar updates dynamically based on login state.

**#3**

### Product Search & Filter Functionality -

The search dynamically filters products based on name or description — implemented entirely on the client side for fast response.

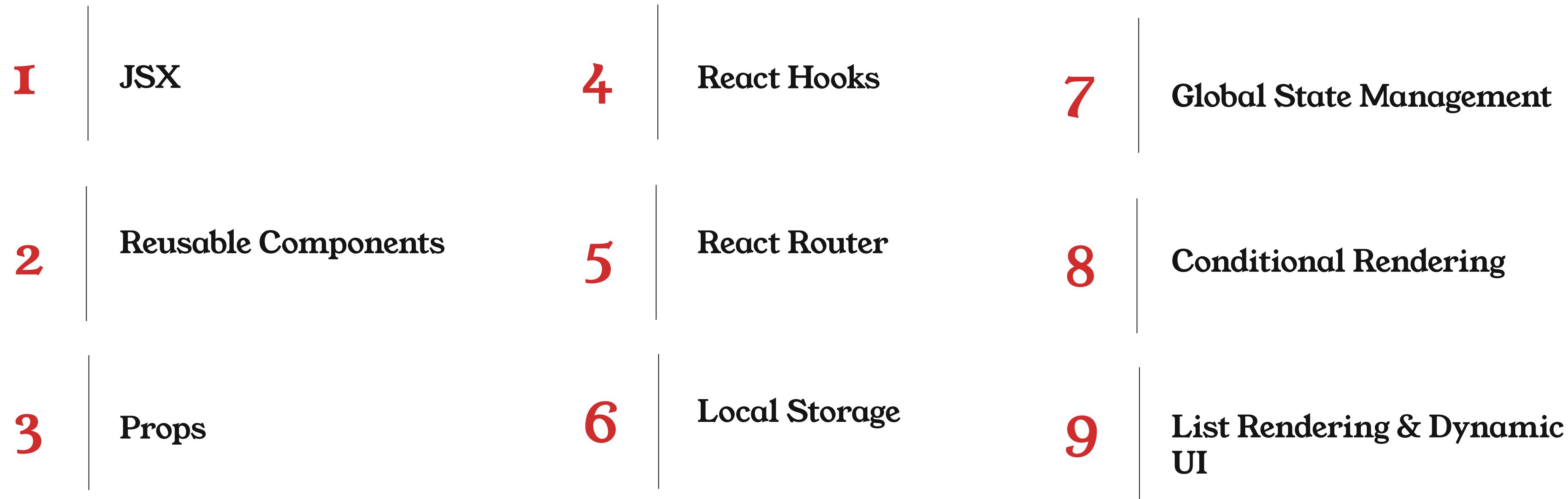
**#4**

### Checkout & Order Placement System -

A guided checkout flow that ensures only authenticated users can place orders.

# Technology Stack

## React JS



# Implementation

## Frontend



PharmEasy

Home Products Contact Us Sign Up Login

## Welcome to PharmEasy

Search by name or category...

### About Us

PharmEasy is your trusted partner for healthcare essentials delivered right to your doorstep. We provide quality medicines, health supplements, and medical products with the goal of making healthcare simple, affordable, and accessible for everyone.

Our mission is to ensure that every individual has access to reliable healthcare products anytime, anywhere.



### Why Choose Us?

# Implementation

## Frontend



A Leap Towards World Class Education



PharmEasy

[Home](#) [Products](#) [Contact Us](#) [Sign Up](#) [Login](#)

### What Our Customers Say

"PharmEasy makes ordering medicines super easy! Excellent service."

— Aditi Sharma

"Quick delivery and trustworthy products. I highly recommend it."

— Rohan Mehta

"Affordable pricing and user-friendly interface. Love it!"

— Sneha Kulkarni

### Join PharmEasy Today!

Get exclusive discounts, offers, and priority delivery when you sign up now.

[Register Now](#)



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# Implementation

## Frontend



PharmEasy

Home Products Contact Us Sign Up Login

### User Registration

 Personal Information

First Name

Last Name

Gender

Date of Birth  

Blood Group

 Contact Information

Email

Phone

Alternate Phone

Emergency Contact

Address

# Implementation

## Frontend



A screenshot of the PharmEasy login page. The header has a dark blue background with the PharmEasy logo (a green circle with a stylized plant) and the word "PharmEasy" in white. To the right are links for "Home", "Products", "Contact Us", "Sign Up", and "Login". The main content area is titled "Login" in large green font, with a yellow lock icon preceding it. It contains two input fields: "Email" with placeholder "Enter your email" and "Password" with placeholder "Enter your password". A large green "Login" button is at the bottom.

# Implementation

## Frontend



PharmEasy

Home Products Contact Us Sign Up Login

## Our Products

Search by name or description...



**Paracetamol**  
Pain reliever and fever reducer  
₹40  
[Add to Cart](#)



**Vitamin C**  
Boosts immunity and energy  
₹120  
[Add to Cart](#)



**Dettol Soap**  
Antibacterial skin protection  
₹35  
[Add to Cart](#)



**Pain Relief Spray**  
Instant muscle pain relief  
₹90  
[Add to Cart](#)



## Conclusion & Future Scope

The PharmEasy web application successfully demonstrates a modern, user-friendly pharmacy platform built using React JS and Bootstrap. It efficiently integrates key modules such as authentication, product management, cart functionality, and checkout using Context API and localStorage.

In the future, this application can be expanded by integrating a real-time backend using Node.js, Express, and MongoDB or Firebase for secure data management. Additional enhancements like payment gateway integration, order tracking, and AI-based medicine recommendations can further improve usability and scalability.



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TY IT SMAD

**THANK YOU**