

# E-Commerce Application on IBM Cloud Foundry

## Project Overview:

1. Objective: Create a secure and scalable e-commerce platform on IBM Cloud Foundry.
2. Features: User management, product catalogic, cart/checkout, payment integration, order tracking, and robust security.
3. Technology Stack: Frontend (HTML/CSS/JS, React), Backend (Node.js, Express), Database (PostgreSQL), Hosting (IBM Cloud Foundry), Security (HTTPS, encryption).
4. Phases: Planning, Development, Deployment, Testing, Maintenance, and Scaling.
5. Success Metrics: High user engagement, conversion rates, secure transactions, minimal downtime.
6. Team: Project manager, developers, UI/UX designers, DB administrators, QA testers, and DevOps engineers.

## Design Thinking:

1. Platform Design: Design the platform layout with sections for product categories, individual product pages, shopping cart, checkout, and payment.
2. Product Showcase: Create a database to store product information such as images, descriptions, prices, and categories.
3. User Authentication: Implement user registration and authentication features to enable artisans and customers to access the platform.
4. Shopping Cart and Checkout: Design and develop the shopping cart functionality and a smooth checkout process.
5. Payment Integration: Integrate secure payment gateways to facilitate transactions.
6. User Experience: Focus on providing an intuitive and visually appealing user experience for both artisans and customers.