Cloud Application Development -Group 1

E commerce Application

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Projects Title: E-commerce App

Problem Statement: Build an artisanal e-commerce platform using IBM Cloud Foundry. Connect skilled artisans with a global audience. Showcase handmade products, from exquisite jewelry to artistic home decor. Implement secure shopping carts, smooth payment gateways, and an intuitive checkout process. Nurture creativity and support small businesses through an artisan's dream marketplace!

Project Steps

Phase 1: Problem Definition and Design Thinking

Problem Definition: The project is to build an artisanal e-commerce platform using IBM Cloud Foundry. The goal is to connect skilled artisans with a global audience, showcasing their handmade products and providing features like secure shopping carts,

payment gateways, and an intuitive checkout process. This involves designing the e-commerce platform, implementing necessary features, and ensuring a seamless user experience.

Design Thinking:

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