

Project 2: E-commerce Application on IBM Cloud Foundry

Phase 1: Problem Definition and Design Thinking

In this part you will need to understand the problem statement and create a document on what have you understood and how will you proceed ahead with solving the problem. Please think on a design and present in form of a document.

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:

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.