**Project Title :** E-Commerce application on IBM Cloud foundry

**Problem Statement:**

Traditional e-commerce platforms often face challenges related to scalability, reliability, and ease of deployment. As businesses grow, the demand for a flexible and scalable e-commerce solution increases. Moreover, the complexity of managing infrastructure and ensuring high availability poses a significant hurdle for many enterprises. This project addresses these issues by utilizing IBM Cloud Foundry to provide a resilient and scalable foundation for e-commerce applications.

**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 experiencee.

**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.