**E-commerce Application on IBM Cloud Foundry**

**Phase 3: Innovation**

**Overview:**

The project aims to develop an artisanal e-commerce platform using IBM Cloud Foundry. This platform's primary goal is to connect skilled artisans with a worldwide audience, enabling them to showcase and sell handmade products such as jewellery and home decor. Key objectives include creating a user-friendly platform, facilitating artisan connectivity, offering an attractive product showcase, ensuring robust security and payment integration, optimizing the user experience, supporting small businesses, and efficiently managing the marketplace. Ultimately, the project seeks to foster creativity and provide a nurturing marketplace for artisans while serving a global customer base.

**Design the platform layout and create a database to store product information:**

**1. Platform Layout Design:**

Start by creating a high-level design or wireframe for your e-commerce platform. Consider the user interface, navigation, and overall layout. Make sure to include sections for product listings, user accounts, shopping cart, and any other features you plan to implement.

**2. Database Setup:**

To store product information, you'll need to set up a database. You can use IBM Cloud services like IBM Db2 or a NoSQL database like IBM Cloudant, depending on your specific requirements. Define the structure of your database, including tables for products, categories, pricing, and other relevant details.

**3. Database Integration**:

Connect your platform to the database. You'll need to establish a connection using the appropriate credentials and configure your application to interact with the database. This will enable you to add, retrieve, and manage product data.

**4. Product Listing:**

Develop the functionality to add, edit, and delete products on the platform. Ensure that you can include images, descriptions, prices, and any other necessary product details.

**5. Search and Filtering:**

Create mechanisms for users to search and filter products based on categories, prices, or other relevant criteria.

**6. Shopping Cart:**

Implement a shopping cart feature that allows users to add products, view their cart, and proceed to checkout.















