

# Project:Ecommerce Application On IBM Cloud Foundry

## Phase 5: Project Documentation & Submission

In this final phase, we will document the E-Commerce Platform project and prepare it for submission.

### Ecommerce Application Documentation:

Website Link:<https://artisan.s3.chef01.cloud-object-storage.appdomain.cloud/index.html>

### Objective:

The objective of the E-Commerce Platform project was to create a feature-rich and user-friendly online marketplace where vendors can sell their products, and customers can browse, purchase, and track their orders. The project aimed to provide a seamless shopping experience while allowing for easy management and scalability.

### Design Thinking Process:

- Empathize: We began by understanding the needs of both vendors and customers in the e-commerce space. We conducted surveys and interviews to identify pain points and preferences.
- Define: We defined the project's scope, including core features, such as user authentication, product listings, shopping cart, order management, and payment processing.
- Ideate: We brainstormed design concepts, considering user interface, layout, and user experience. We aimed to create an intuitive and visually appealing platform.
- Prototype: We created wireframes and interactive prototypes to visualize the user journey and gather feedback from potential users and stakeholders.
- Test: Through iterative testing, we refined the platform's design and functionality based on user feedback.

### Development Phases:

1. Phase 1 - Planning & Design:
  - Project planning and requirement analysis.

- Database design.
- User interface (UI) design.

## 2. Phase 2 - Front-End Development:

- Implementing the user interface using HTML, CSS, and JavaScript.
- Integrating responsive design for various devices.
- User registration and authentication.

## 3. Phase 3 - Back-End Development:

- Developing server-side logic.
- Implementing database functionality.
- Building product listing and shopping cart features.

## 4. Phase 4 - Payment Integration:

- Integrating payment gateways for secure transactions.
- Testing the payment process.

## 5. Phase 5 - Testing & Optimization:

- Extensive testing of all features.
- Performance optimization.
- Bug fixes.

## 6. Phase 6 - Deployment & Launch:

- Deploying the platform on a web server.
- Setting up the domain and configuring DNS settings.

## 7. Phase 7 - Documentation & Submission:

- Documenting the entire project.
- Preparing for project submission.

## **Platform Overview**

### **Layout & Features:**

The E-Commerce Platform consists of the following key elements:

- Home Page: Displays featured products, categories, and special promotions.
- Product Listings: Vendors can list their products, including images, descriptions, prices, and quantities available.
- Shopping Cart: Customers can add and manage products in their shopping cart.
- User Authentication: Users can register, log in, and manage their profiles.
- Order Management: Customers can track their orders, and vendors can manage order fulfillment.

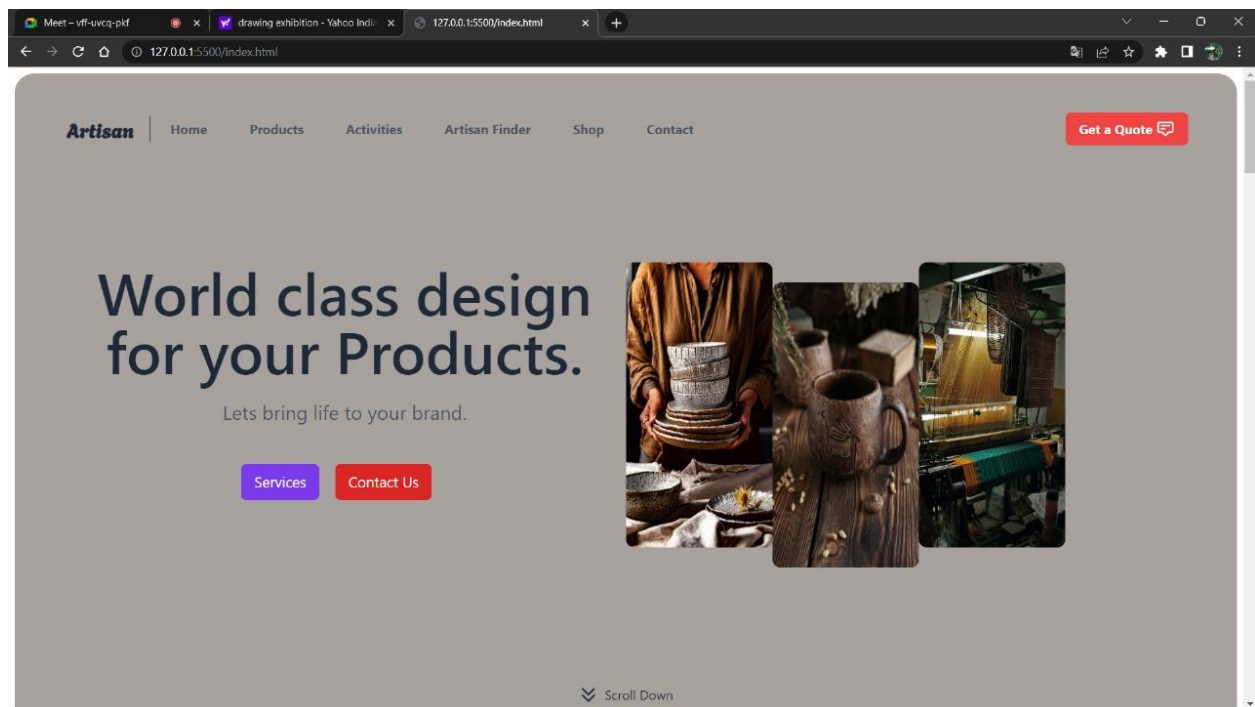
- Payment Processing: Secure payment transactions are facilitated through integrated payment gateways.
- Search & Filters: Users can search for products and apply filters.

### Technical Implementation:

The platform was developed using a tech stack that includes:

- Front-end: HTML, CSS, JavaScript, and a front-end framework (e.g., React, Angular, or Vue.js).
- Back-end: Server-side scripting with a framework (e.g., Node.js, Ruby on Rails, Django, or Express.js) and a database system (e.g., MySQL, PostgreSQL, MongoDB).
- Payment Integration: Integration with payment gateways (e.g., PayPal, Stripe).

### Screenshots:



IBM Db2 on Cloud

Load Data Load History Tables Views Indexes Aliases MQTs Sequences Application objects

XZW26606.PRODUCTS


Back

Export to CSV


	PRODUCT_ID SMALLINT	NAME VARCHAR(23)	PRICE SMALLINT	IMAGE_URL VARCHAR(20)
1	1	Cool Earing	60	assets/img/img1.jpg
2	2	Tableware Ceramic Set	150	assets/img/img2.jpg
3	3	Black Chain	250	assets/img/img3.jpg
4	4	Wall Hanging	190	assets/img/img4.jpg
5	5	R-10B R-1B-Fanning Ring	230	assets/img/img5.jpg
6	6	Blue candle	99	assets/img/img6.jpg
7	7	100% Wool Carpet	500	assets/img/img7.jpg
8	8	Wood Elephant	500	assets/img/img8.jpg
9	9	Hand Made Sickle	400	assets/img/img9.jpg

Event & Activities


Flash sale, Exhibition other activites will be displayed.



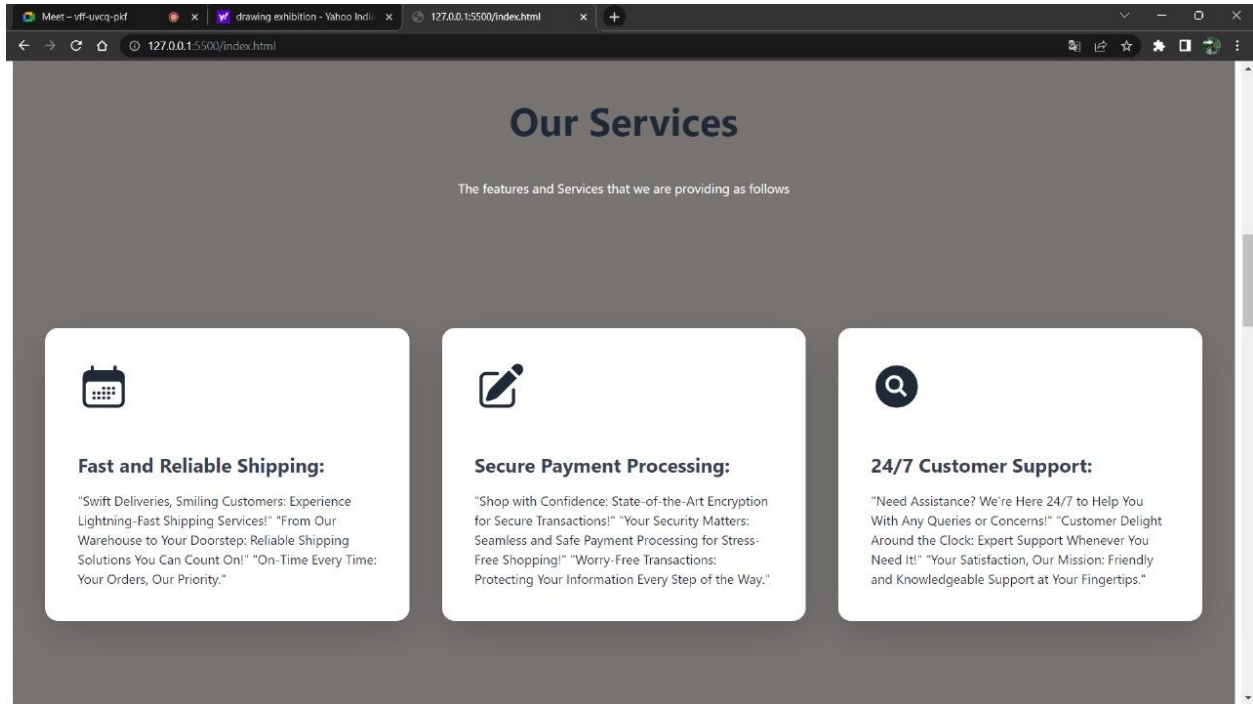
**Drawing Exhibition**  
The grand Exhibition going to be held.



**Handicraft**  
Flash sale



**Pottery Exhibition**  
Various types of potteries from different artisans will be shown in the Exhibition.



# Our Services

The features and Services that we are providing as follows



## Fast and Reliable Shipping:

"Swift Deliveries, Smiling Customers: Experience Lightning-Fast Shipping Services!" "From Our Warehouse to Your Doorstep: Reliable Shipping Solutions You Can Count On!" "On-Time Every Time: Your Orders, Our Priority."




## Secure Payment Processing:

"Shop with Confidence: State-of-the-Art Encryption for Secure Transactions!" "Your Security Matters: Seamless and Safe Payment Processing for Stress-Free Shopping!" "Worry-Free Transactions: Protecting Your Information Every Step of the Way."



## 24/7 Customer Support:

"Need Assistance? We're Here 24/7 to Help You With Any Queries or Concerns!" "Customer Delight Around the Clock: Expert Support Whenever You Need It!" "Your Satisfaction, Our Mission: Friendly and Knowledgeable Support at Your Fingertips."



## Subscribe to join our community


Join Our Exclusive Community! Subscribe Now for VIP Access, Special Offers, and More! "Be Part of Something Special: Subscribe Today for Insider Deals, New Arrivals, and Community Events!" "Subscribe for a World of Benefits: Exclusive Discounts, Sneak Peeks, and Member-Only Events Await You!"

☐ I Agree





Subscribe


## Local Artisan

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**Lakshmi**  
Potter Designer










**Mugil**  
Potter










**Gopal**  
Weaver










**Devi**  
Designer









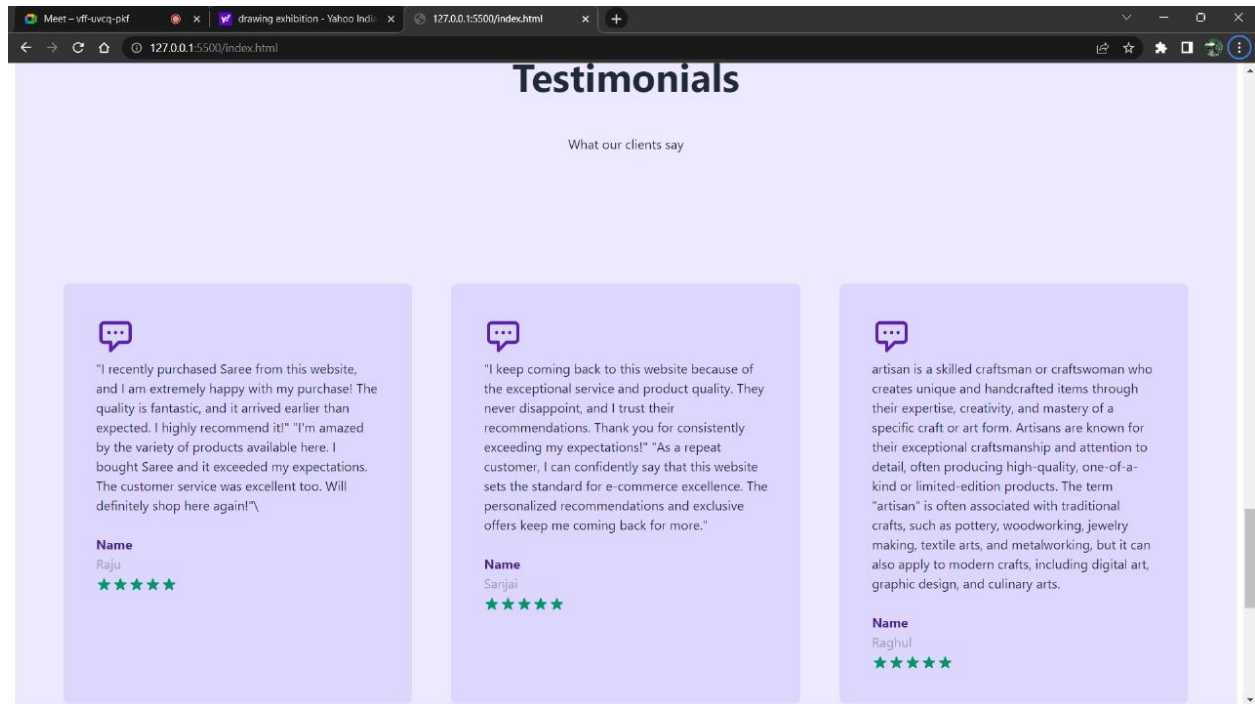
**Kumar**  
Sewer





**Agarwal**  
Classic artist





## Submission

The E-Commerce Platform project is ready for submission, with all development phases completed, and thorough documentation in place.

If you need any additional information or would like to explore the platform further, please feel free to contact us. Thank you for the opportunity to work on this project.