Online Platform for Traditional Craftsmanship

An Online Platform for Traditional Craftsmanship is designed to bridge traditional craftsmen with customers looking for unique and handmade products.

This system ensures that craftsmen can showcase their creations while customers can easily browse, purchase and enjoy these traditional goods. An essential part of this system's design is the Use Case Diagram which visualizes the system's functional requirements from the user's perspective.

A use case diagram is a visual representation of the different ways a user might interact with the system. However the following shows the main key factors in my project

Actors for example Craftsman, is a traditional craftsman who uses the platform to sell products to achieve his goal.

Customer is any individual who wants to buy traditional crafts online.

Administrator this is a person responsible for overseeing the platform's operations.

Use Cases here we Register where by Craftsmen sign up on the platform to create their accounts.

Create Product Listing as Craftsmen add descriptions, prices and images for their products.

Browse Products here Customers look through available products on the platform.

Purchase Product as Customers buy products from the platform.

Manage Orders only Administrators handle order processing, payments and shipping.

Manage Craftsmen whereby Administrators verify and approve craftsman accounts and product listings.

A sequence diagram shows the step-by-step interactions between different objects in the system. Here are two key processes:

Purchasing a Product

The customer sends a request to browse products.

The platform returns a list of available products.

The customer selects a product and requests to purchase it.

The platform verifies payment information and sends a request to the Payment Gateway.

The Payment Gateway processes the payment and responds to the platform.

The platform updates the order status and notifies the craftsman.

The craftsman prepares the product for shipping.

Creating a Product Listing:

The craftsman sends a request to create a product listing.

The platform returns a form for the craftsman to fill out.

The craftsman fills out the form and submits the product listing.

The platform verifies the product information and sends it to the administrator.

The administrator reviews the listing and responds to the platform.

The platform updates the listing status and notifies the craftsman.

In Conclusion, The Online Platform for Traditional Craftsmanship is a comprehensive system that simplifies the selling and buying of traditional crafts. Through use case diagrams and sequence diagrams, we can visualize how each component interacts, ensuring a seamless experience for craftsmen, customers and administrators alike.