**Project Proposal: Online Jewellery Shop Management System**

**1. Introduction**

The **Online Jewellery Shop Management System (JSMS)** is a role-based web application designed to streamline the operations of jewellery businesses. This platform centralizes inventory, customer, and order management through a secure and responsive interface. It enables administrators to control backend tasks while providing customers with a smooth browsing and purchasing experience. This system is especially useful for small and medium-scale jewellery businesses transitioning into digital commerce.

**2. Objective**

The goal of this project is to build a CRUD-based (Create, Read, Update, Delete) system for a jewellery shop. The system will allow:

* **Product Management:** Add, update, and delete jewellery products.
* **Customer Management:** Register and manage customer profiles.
* **Order Management:** Track order history and update delivery statuses.
* **Shopping Cart:** Customers can add and remove products before purchase.

**3. System Overview**

**User Roles and Interfaces:**

* **Admin**
  + Manage jewellery listings (Add/Edit/Delete).
  + Monitor orders and sales.
  + View and manage customer profiles.
  + Track inventory levels.
* **Customer**
  + Register, login, and manage their profile.
  + Browse and filter jewellery by categories.
  + Add products to a shopping cart and place secure orders.
  + Track order status and view order history.

**4. Frontend Pages (5 Total)**

1. **Registration Page**
   * Users (admin/customer) can sign up with a role, username, email, and password.
2. **Login Page**
   * Role-based login to access respective dashboards securely.
3. **Admin Dashboard**
   * View products, manage users, monitor orders, and generate reports.
4. **Customer Dashboard**
   * Browse jewellery, manage cart, place orders, and track order history.
5. **Product Detail Page**
   * Displays detailed info about individual jewellery pieces with images and pricing.

**5. CRUD Functionality Summary**

* **Create:** Admin can add new jewellery products and customer records.
* **Read:** All users can view product listings and order history.
* **Update:** Admin can edit product data; users can update profiles.
* **Delete:** Admin can remove outdated or discontinued items.

**6. Key Features**

* **Categorized Product Listings:** Sorted by type (e.g., Rings, Necklaces).
* **Shopping Cart Functionality:** Easy product addition/removal.
* **Order Tracking:** Real-time updates for both admin and users.
* **Search and Filters:** Users can refine product searches.
* **Secure Authentication:** Role-based access control.
* **Digital Records:** Maintains all data in a centralized database.
* **Responsive Design:** Mobile-friendly layout using Bootstrap.

**7. Benefits**

* **Operational Efficiency:** Reduces manual processes through automation.
* **Enhanced User Experience:** Simple and intuitive user flow.
* **Data Protection:** Secure handling of sensitive customer and order data.
* **Scalability:** Easily extendable with additional modules.
* **Eco-Friendly:** Replaces paperwork with digital records.

**8. Technologies Used**

* **Frontend:** HTML, CSS, Bootstrap, JavaScript
* **Backend:** PHP (customizable to other languages if preferred)
* **Database:** MySQL
* **Tools:** Font Awesome for icons, form validation with JavaScript

**9. Conclusion**

The Jewellery Shop Management System provides a modern, effective solution for digitizing jewellery business operations. With role-based access, a secure architecture, and efficient CRUD functionalities, it supports scalability, performance, and a high-quality user experience. This system is ideal for businesses aiming to grow their online presence and improve management workflows.

**8. References**

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