**Backend requirements**

**1. User Authentication and Authorization:**

•Implement user registration and login functionality with PHP.

• Store user data securely in a MySQL database.

• Manage user roles (regular users, business accounts, admin) with role-based access control.

**2.** **Database Setup:**

• Use MySQL as your relational database to store user information, product details, orders, and other relevant data.

• Create tables for users, products, orders, and business accounts with appropriate relationships.

**3. Product Management:**

• Develop PHP scripts to perform CRUD operations on products.

• Allow business account users to manage their products.

**4. Shopping Cart and Checkout:**

• Create PHP scripts to manage a shopping cart, including adding and removing products.

• Implement a checkout process for users to review and confirm their orders.

**5. Order Processing:**

• Handle order creation, confirmation, and order status updates using PHP.

• If handling payments, integrate with payment gateways like PayPal or Stripe.

**6. User Dashboard:**

• Create PHP-based user dashboards where users can manage their profiles and view order history.

• Implement features for business account users to manage their storefronts and products.

**7. Admin Panel:**

• Develop an admin panel using PHP to manage user accounts, products, and monitor site activity.

• Provide admin privileges for content moderation and user management.

**8. Search and Filter:**

• Implement PHP-based search functionality and filtering options for product discovery.

• Use SQL queries to fetch and filter product data.

**9. Email Notifications:**

• Set up PHP scripts to send email notifications for order confirmations, password resets, and other user interactions.

**10. Security:**

• Sanitize and validate user inputs to prevent SQL injection and XSS attacks.

• Use password hashing and salting to secure user credentials in the database.

**11. Performance and Scalability:**

• Optimize PHP code and SQL queries for performance.

• Plan for scalability by optimizing database indexes and considering caching solutions.

**12. APIs:**

• Consider building PHP-based APIs to support future mobile apps or third-party integrations.

**13. Hosting and Deployment:**

• Choose a PHP-friendly web hosting service and configure the server environment.

• Set up deployment pipelines for continuous integration and deployment (CI/CD) if needed.

**14. Testing and Quality Assurance:**

• Perform extensive testing, including unit testing, integration testing, and user testing.

• Ensure your PHP code is well-documented for future reference and collaboration.

**15. Monitoring and Analytics:**

• Implement monitoring and analytics tools to track site performance and user behavior.

**Frontend requirements**

1. **Home Page:**

* Login and sign up
* Welcome message and a brief introduction to our brand.
* A visually appealing banner or slideshow featuring our best products.
* Call-to-action buttons or links to shop or explore our products.

**2. About Us and the stories behind the sense :**

* Information about your brand's history, mission, and values.
* Profiles and stories of the artisans or creators behind the handmade products.
* Any special techniques or materials used in your creations.

**3. Shop:**

* Product listings with high-quality images and detailed descriptions.
* Categories or collections to organize your products (e.g., jewelry, home decor, clothing).
* Pricing, availability, and ordering information.
* An option for customers to filter or search for specific items.
* Review for the products
* Add to cart ,wishlist ,dashboard for admin ,payment page with forms

Gallery/Portfolio:

\*\*\*Custom Orders:

* Information about how customers can request personalized or custom-made items.
* A form or process for customers to provide specific requests or details.

**4. Gallery/Portfolio:**

* A showcase of your best and most popular creations.
* High-resolution images or videos highlighting the details of your handmade products.
* \*Customer reviews and testimonials.

**5. Contact Us:**

* Contact form for inquiries, custom orders, or collaboration requests.
* Business contact information, including email, phone, and physical address if applicable.
* Links to your social media profiles.

\*this information should go to the dashboard of admin

**6. Events/Workshops:**

* Announce and promote any upcoming craft fairs, exhibitions, or workshops we'll be attending or hosting.
* \*\*Testimonials/Reviews:

Showcase positive feedback from satisfied customers.

Include ratings and written reviews if possible.

* \*\*Media:

Icons or links to your social media profiles for visitors to follow you on various platforms.