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### **Project Proposal**

### **LeatherVerse**

### An E-commerce Platform for Leather Garments

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#### **1. Introduction**

The leather industry in Pakistan is vast but lacks a strong digital presence. Our project, *LeatherVerse*, is an online E-commerce platform that allows local leather garment businesses to showcase and sell their products digitally. The platform aims to bridge the gap between local artisans and global customers, improving reach and revenue.

#### **2. Objective**

The main goal is to build a user-friendly, secure, and scalable online shopping platform for leather products that supports browsing, cart management, user registration/login, and order placement.

#### **3. Key Features**

* User Registration and Authentication
* Product Browsing with Categories (Jackets, Leather Coats, etc.)
* Admin Panel for Product and Inventory Management
* Shopping Cart and Order Checkout
* Payment Gateway Integration (e.g., Stripe/PayPal)
* Responsive Design for Mobile and Desktop
* Product Rating and Review System

#### **4. Technology Stack**

* **Frontend**: React.js / HTML, CSS, Bootstrap
* **Backend**: Node.js with Express.js
* **Database**: MongoDB
* **Version Control**: Git & GitHub
* **Hosting**: Vercel / AWS
* **Payment**: PayPal API

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#### **5. Team Members & Roles**

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| **Name** | **Role** | **Responsibilities** |
| Irtiza | Full Stack Dev | Backend APIs, Auth, Payment Integration |
| Ahmed Haque | Frontend Dev, DB Engineer | UI/UX, React Components, Cart UI, Database Schema, Query Optimization |
| Muzzamil | QA / Tester | Test Cases, Bug Fixes, Validation |

#### **6. Timeline**

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| **Phase** | **Duration** |
| Requirement Gathering | Week 8 |
| Design & Architecture | Week 9-10 |
| Development | Week 11 - 12 |
| Testing & Optimization | Week 13 -14 |
| Final Demo & Submission | Week 16 |

#### **7. Expected Outcome**

A fully functional, scalable web platform for selling leather garments, enabling local vendors to digitalize their business and reach more customers globally.