Web Programming Mini Project
Slayy-Anna: An Online Marketplace for Manipal

Slayy-Anna is a dynamic web-based marketplace designed to bridge the gap between buyers and sellers within Manipal's vibrant university town, catering primarily to the student community. The platform aims to foster a hassle-free environment for students to buy, sell goods and services ranging from textbooks,furniture, appliances,clothes, gadgets, and event tickets.

Slayy-Anna's unique selling point lies in its hyperlocal, student-focused approach. Unlike generic online marketplaces, it fosters a community-driven ecosystem tailored to the specific needs of Manipal students, promoting convenience, and accessibility within the campus environment.

Main features that will be implemented:

1. **Product Listings with categories** (with 3D rendering of the items, optional)
2. **Secure Messaging System** between buyer and seller : messaging system to facilitate safe and private communication
3. **Seller Review**: Buyers can review the seller based on product quality and transaction experience
4. **Secure payment gateways** for seamless transactions
5. **Search Filters**: Users can refine based on category, price, condition, and location
6. **Wishlist**: Buyers will be notified when wishlisted items/ category has been posted
7. **AI Powered pricing suggestions: Sellers** can receive optimal listing prices based on demand, condition, and historical sales data.
8. **Donation System:** A system for donating unsold items to local charities

Techstack and Frameworks :
1. Frontend and UI: CSS, JavaScript, three.js (for 3D rendering)
2. Backend: FastAPI, Django
3. AI/ML Features: Scikit-Learn, PyTorch
4. Database Management: PostgreSQL

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