### **1. Functional Requirements**

These are the core things our system will do:

* User registration and login
* Post product for sale (name, price, image, condition, etc.)
* Browse/search products by category (books, electronics, furniture, etc.)
* Add to cart / express interest
* Contact Information of seller.
* Mark product as sold
* Admin panel to manage users and listings

### **2. Non-Functional Requirements**

These are performance-related or background-level requirements:

* User-friendly interface (simple UI/UX)
* Mobile-responsive design (if you make a front-end)
* Secure login (hashed passwords)
* Scalable DB schema (can handle hundreds of listings)
* Minimal response time for product search
* Data integrity (no orphaned listings or fake users)
* Secure payment gateway.