Requirements Breakdown and Prioritization

## 1) Break Down Requirements

### Functional Requirements:

- Customers can register, update, and view their profiles  
- Products can be created, viewed, and deleted  
- Users can add and remove items from cart  
- Orders can be placed, and associated products and total price stored  
- Cart and order details are accessible to users  
- All data interactions occur through SQL-based DB tables  
- Console-based interaction via menu system  
- Custom exceptions (e.g., ProductNotFoundException) must be handled

### Non-Functional Requirements:

- Adherence to object-oriented design for modularity  
- Database configs should be in .properties file  
- Application should run without internet access  
- Robust exception handling to prevent crashes  
- Use JUnit for core logic testing  
- Text-based interface suitable for command-line usage

## 2) Prioritize Requirements

### High Priority:

- Customer registration  
- Product creation  
- Cart operations and placing order  
- Order processing and DB integration  
- Proper error handling and validation  
- Console-based navigation

### Medium Priority:

- Deleting products/customers  
- Viewing previous orders and cart contents  
- Unit testing  
- Loading DB config from file

### Low Priority:

- Advanced validations  
- Detailed exception classes  
- Formatting or extra output features