

GROUP ASSIGNMENT - 6

For a project aimed at enhancing or developing an e-commerce platform like **Myntra**, focused on fashion and lifestyle products, it's crucial to establish a clear and structured set of requirements. These requirements should be prioritized to guide the development process efficiently and effectively. Utilizing the **MoSCoW method**, requirements are categorized into "**Must have**," "**Should have**," "**Could have**," and "**Won't have this time**." Below, we detail these requirements, followed by key do's and don'ts for writing and managing them.

PROJECT REQUIREMENTS FOR THE MYNTRA:

S NO.	REQUIREMENT TITLE	DESCRIPTION	PRIORITY	NOTES
1	Secure User Authentication System	Implement robust authentication with 2FA.	MUST HAVE	Explore latest authentication protocols; coordinate with security experts to ensure best practices.
2	Responsive Web Design	Seamless experience across all devices.	MUST HAVE	Ensure compatibility with various screen sizes and browsers; monitor performance across devices.
3	Advanced Search Functionality	Sophisticated search with filters and NLP.	MUST HAVE	Analyze user search patterns for filter improvements; NLP to understand user intent better.
4	Payment Gateway Integration	Multiple secure payment options, PCI DSS compliance.	MUST HAVE	Integrate trusted payment gateways; regular security audits to maintain high safety standards.
5	Order Tracking System	Real-time updates and notifications for orders.	MUST HAVE	Implement an intuitive tracking interface; provide clear and timely communication to users.

6	Customer Review and Rating System	Moderated reviews and ratings on products.	SHOULD HAVE	Set clear moderation policies; feedback mechanism for users to report inappropriate reviews.
7	Inventory Management System	Predictive analytics for stock optimization.	SHOULD HAVE	Use historical sales data to predict trends; alert system for low stock items.
8	User Data Analytics and Reporting	Advanced data visualization for analytics.	SHOULD HAVE	Prioritize user privacy when handling data; use insights to drive platform improvements.
9	Product Recommendation Engine	ML-based system for personalized suggestions.	COULD HAVE	Regularly update ML models with new data; ensure diversity and fairness in recommendations.
10	Real-time Customer Support Chat	AI chatbots for initial inquiries, human agents for complex issues.	COULD HAVE	Train chatbots with a wide range of scenarios; ensure easy escalation to human support.
11	Augmented Reality Features	AR for virtual try-on to be considered later.	WON'T HAVE	Research customer interest and potential ROI for future AR features.
12	International Shipping Options	Expand international shipping later.	WON'T HAVE	Market research on international shipping demand; partnership with global logistics providers for future implementation.

DO'S AND DON'TS OF WRITING REQUIREMENTS

Do's:

- **Engage Stakeholders:** Regularly involve stakeholders and customers to ensure requirements align with both user needs and business goals.
- **Prioritize Requirements:** Continuously prioritize requirements to adapt to new insights and project evolutions.
- **Map the User Journey:** Understand the complete user interaction with the platform to better identify and refine requirements.
- **Consider Non-Functional Requirements:** Pay attention to scalability, maintainability, and usability to ensure the platform's long-term success.
- **Review and Revise Requirements:** Periodically reassess requirements to accommodate feedback and changes in the project landscape.

Don'ts:

- **Overlook Regulatory Compliance:** Ensure all requirements comply with relevant legal and regulatory standards.
- **Accumulate Technical Debt:** Avoid shortcuts that compromise long-term quality and increase technical debt.
- **Neglect User Feedback:** Incorporate user testing and feedback throughout the development process.
- **Underestimate Resources:** Be realistic about the time, budget, and skills needed to fulfill each requirement.
- **Ignore Risk Management:** Identify potential risks for each requirement and develop mitigation strategies.
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Adhering to these guidelines, we will develop a detailed and structured plan that ensures the successful delivery of an e-commerce platform that meets the needs of both the business and its users.