

SE 216 – SOFTWARE PROJECT MANAGEMENT
REQUIREMENTS DOCUMENT

PROJECT NAME: MediShare

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REQ. #	FUNCTIONAL REQUIREMENTS
1	Prescription Management: The system should allow doctors to prescribe medication and record it quickly in the system. In cases where it is necessary, doctors should be able to prescribe risky medications.
2	Access Control: Only authorized personnel, such as healthcare professionals, should have access to prescribe and monitor medication.
3	Medication Information: The system should provide comprehensive information on the frequency of use and potential side effects of prescribed medicines.
4	Integration with Electronic Health Systems: The system should establish a connection with electronic health systems to keep health records up-to-date.
5	Medication Reminder System: Users should receive notifications and reminders for taking their medication at the prescribed times even they are offline.
6	Live Support System: Users should have access to live support, including both artificial intelligence and 24/7 human assistance, to resolve queries.
7	Educational Resources: The system should offer an extensive library of videos and animations to educate users on the correct usage of prescribed medicines.
8	Premium Membership for Pharmaceutical Companies: The system should offer premium memberships to pharmaceutical companies, providing them with sales and marketing analyses.
9	QR Code Integration: QR codes should be generated for prescriptions, allowing easy access to medication details and preventing misuse.
10	Account Management: Individual user and business account user will access the application within the same application but in a different interface. The individual user will not have information about the other business user, but the business account holder will have information about the individual users
11	Monitoring and Audit: The system should monitor prescribed medications and notify authorities if any irregularities or overprescribing occur.
REQ. #	NON-FUNCTIONAL REQUIREMENTS
1	Security: The system should ensure data security and privacy to protect users' personal and health information.
2	Reliability: The system should be reliable, with minimal downtime and accurate medication records.
3	Scalability: The system should be able to scale up to accommodate a growing user base and increasing data volumes.

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4	Usability: The user interface should be intuitive and user-friendly, catering to users of varying technical proficiency.
5	Performance: The system should perform efficiently, providing timely notifications and responses to user queries.
6	Accessibility: The application should be accessible across different devices and operating systems, ensuring broad user reach. The app is designed for people to download onto their phones, providing them with 24/7 access to information and the ability to save product usage information for offline viewing.
7	Compliance: The system should comply with relevant regulations and standards for healthcare and data management.
8	Sustainability: The system should contribute to reducing paper waste by minimizing the use of medication labels and promoting eco-friendly practices.
9	Interoperability: The system should be interoperable with existing healthcare systems and technologies for seamless data exchange.
10	Customer Support: The system should provide reliable customer support services to address user concerns and issues promptly.