

## **Business Requirements:**

1. **Data Accuracy and Timeliness:** The project needs to ensure that information about doctor availability and drug classification is accurate and up-to-date. This may involve integrating with reliable databases or APIs that provide real-time information on doctor schedules and drug classifications. Regular updates and maintenance of these data sources are essential to maintain accuracy.

2. **Flexibility in Classification System:** The classification system for drugs should be designed with flexibility in mind. This means implementing a system that can easily accommodate new drugs as they enter the market and adapt to changes in classification criteria. Utilizing a dynamic data model or incorporating machine learning algorithms may facilitate this flexibility.

3. **Compliance with Regulations:** Adhering to regulatory guidelines, such as those set forth by the FDA, is crucial for the project's success. This involves ensuring that the drug classification system aligns with established regulatory frameworks and guidelines. Regular audits and updates may be necessary to maintain compliance with evolving regulations.

4. **User-Friendly Interface:** The interface for accessing doctor availability and drug classification information should prioritize ease of use for both medical professionals and patients. This may involve designing intuitive user interfaces with clear navigation and presentation of information. User feedback and usability testing can help identify areas for improvement in the interface design.

5. **Security and Privacy:** Protecting sensitive medical data is paramount in healthcare projects. Implementing robust security measures, such as encryption protocols and access controls, can help safeguard patient information and ensure compliance with privacy regulations like HIPAA.

6. **Integration Capabilities:** The project should have the ability to integrate with existing healthcare systems and platforms, such as electronic health records (EHRs) or pharmacy management systems. Seamless integration can enhance efficiency and streamline workflows for healthcare providers.

7. Scalability: As the project grows and expands its user base, scalability becomes essential. Designing the system with scalability in mind ensures that it can accommodate increased data volumes and user traffic without sacrificing performance.

By addressing these requirements and incorporating the corresponding features into the CURA health service project, it can effectively meet the needs of both healthcare professionals and patients while ensuring compliance with regulatory standards.