Standard ISO - Reguli

1. Claritate și Precizie: Cerințele trebuie să fie formulate într-un mod clar și precis, evitând ambiguitățile. Fiecare cerință ar trebui să fie ușor de înțeles de către toți stakeholderii.
2. Identificare Unică: Fiecare cerință trebuie să aibă un identificator unic pentru a facilita urmărirea și gestionarea acesteia pe parcursul ciclului de viață al dezvoltării software-ului.
3. Cerințe Măsurabile: Cerințele ar trebui să fie formulate astfel încât să fie măsurabile. Acest lucru permite evaluarea îndeplinirii cerințelor prin teste sau alte metode de verificare.
4. Fără Implicații de Implementare: Cerințele nu ar trebui să implice soluții specifice de implementare. Ele trebuie să se concentreze pe ceea ce trebuie să facă sistemul, nu pe cum va fi realizat.
5. Cerințe Funcționale și Non-Funcționale: Cerințele trebuie să includă atât cerințe funcționale (ce face sistemul), cât și cerințe non-funcționale (performanță, securitate, fiabilitate etc.).
6. Coerență cu Cerințele Superioare: Cerințele software trebuie să fie consistente cu cerințele sistemului și cu alte documente relevante, asigurându-se că nu există contradicții.
7. Context de Utilizare: Cerințele ar trebui să fie formulate având în vedere contextul de utilizare, inclusiv utilizatorii, sarcinile, echipamentele și mediul fizic și social în care va fi utilizat software-ul.
8. Revizuire și Validare: Cerințele trebuie să fie revizuite și validate de către stakeholderi pentru a asigura că acestea reflectă corect nevoile și așteptările utilizatorilor.
9. Documentare și Gestionare: Cerințele trebuie să fie documentate într-un mod structurat și gestionate pe parcursul întregului ciclu de viață al dezvoltării software-ului, inclusiv prin utilizarea unor instrumente de management al cerințelor.

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| 1. The system shall refresh the display alltimes . 2. If projected the data must be readable . On a 10x10 projection screen most of user must be able to read Event / Activity data from a viewing distance of 3. The system shall be available during normal business hours . As long as the user has access to the client PC the system will be available alltimes during the first six months of operation . 4. If projected the data must be understandable . On a 10x10 projection screen most of user must be able to determine that Events or Activities are occuring in current time from a viewing distance of 5. The system shall ensure that it can only be accessed by authorized user . The system will be able to distinguish between authorized and unauthorized user in all access attempts 6. The system shall be intuitive and self-explanatory . : most of new user shall be able to start the display of Events or Activities fast of using the system . 7. The system shall respond fast to keep up-to-date data in the display . 8. The system shall be used by user with no training . 9. The system shall be intuitive and self explanatory . 10. The system shall be easy for a user to learn . 11. The system shall use symbols and words that are naturally understandable by the user community . 12. The system shall produce search results in an acceptable time 13. The search results shall be returned fast after the user has entered the search criteria 14. The system shall generate a report in an acceptable time . 15. The report shall be returned fast after the user has entered the report criteria . 16. The system shall synchronize contacts and appointments in an acceptable time . 17. The system shall synchronize with the office system alltimes . 18. The system shall be available for use alltimes 19. Out of 1000 accesses to the system the system is available times . 20. The system shall operate in offline mode whenever internet connection is unavailable . 21. The system shall allow the user to view previously downloaded search results reports and appointments . 22. The system shall retain user preferences in the event of a failure . 23. all of saved user preferences shall be restored when system comes back online . 24. The system shall be able to support multiple remote user 25. The system shall be able support 1000 simultaneous user . 26. The system shall be capable of handling the existing user . This number is expected to grow times within the next year . 27. The system shall be installed by an untrained user without recourse to separately-printed instructions . 28. most of untrained user shall be able to install the system on their device without printed instructions 29. Only registered user shall be able to access the system . 30. Every user of the system shall be authenticated and authorized . 31. The system shall prevent its data from incorrect data being introduced . 32. The system shall be easy to use by the user . 33. All of the user shall be able to use the system after one day of training . 34. The system shall help the user avoid making mistakes while scheduling classes and clinicals for the user . 35. The number of mistakes noted by the user shall be decreased by most within the first year . 36. The system shall be intuitive to the user . 37. out of user shall successfully be able to use the system to manage the scheduling of classes and clinicals . 38. The system shall use symbols and words that are naturally understandable by the user community . 39. The verbiage used within the system shall be consistent with Standard and the terminology of the national . 40. user shall be able to complete a set of tasks in a timely manner . 41. The response time of general student management tasks shall take fast and the response time of schedule generation shall take fast . 42. The system shall be available for use between the hours of 8 am and 43. The system shall achieve most up time . 44. system shall be able to handle all of the user requests/usage during business hours . 45. The system shall cater to simultaneous user from to 46. The system shall be capable of processing all of user and their classes for the next 10 years . 47. The system shall be expected to manage the nursing program curriculum and class/clinical scheduling for a minimum of 5 years . 48. Only authorized user shall have access to system information . 49. user are the only people who shall have access to system details . 50. Only authorized user shall have access to user ' personal information . 51. user and user are the only people who shall have access to user ' personal information . 52. Only authorized user shall have access to the portion of the system that interfaces with CampusConnect . 53. Fit Criterion : user and user are the only people who shall have access to the final class section scheduling for the system that interfaces with CampusConnect . 54. The system shall have basic data integrity checking to reduce the possibility of incorrect or invalid data being introduced . 55. The system shall protect private information in accordance with the organization 's information policy . 56. The system shall be built such that it is as secure as possible from malicious interference . 57. The system shall use the organization 's standard virus protection software to help monitor threats to itself . 58. The list of dispute cases that are displayed after a search is performed must be color coded for easy identification of dispute cases based upon the dispute case status . 59. all of the user and user shall use the system regularly after a 2-day training course . | 1. The system shall refresh the display continuously to reflect the most recent information. - Display Refresh Requirement 2. The projected data must be readable on a 10x10 projection screen, allowing most users to read event/activity information from a specified viewing distance. - Data Visibility Requirement 3. The system shall be available at all times during normal business hours, ensuring access for users with a client PC for the first six months of operation. - Availability Requirement 4. The projected data must be easily understandable, enabling most users to determine that events or activities are occurring in real-time from a specified viewing distance. - Data Understandability Requirement 5. Access to the system shall be restricted to authorized users only, with the ability to distinguish between authorized and unauthorized access attempts. - Accessibility Requirement 6. The system shall be intuitive and self-explanatory, allowing most new users to quickly start using it to display events or activities. - Intuitiveness Requirement 7. The system shall respond quickly to maintain up-to-date data on the display. - Response Time Requirement 8. The system shall be usable by users without prior training. - No Training Requirement 9. The system shall be easy for users to learn. - Ease of Learning Requirement 10. The system shall use symbols and words that are naturally understandable by the user community. - User-Friendly Language Requirement 11. The system shall produce search results within an acceptable time frame. - Search Results Requirement 12. The system shall generate reports within an acceptable time frame. - Report Generation Requirement 13. The system shall synchronize contacts and appointments within an acceptable time frame. - Synchronization Requirement 14. The system shall operate in offline mode whenever an internet connection is unavailable. - Offline Mode Requirement 15. The system shall retain user preferences in the event of a failure, ensuring that all saved user preferences are restored when the system comes back online. - User Preferences Retention Requirement 16. The system shall support multiple remote users, accommodating up to 1000 simultaneous users. - Multi-User Support Requirement 17. The system shall be installable by an untrained user without the need for separately printed instructions. - Installation Requirement 18. The system shall prevent incorrect data from being introduced and ensure data integrity. - Data Integrity Requirement 19. The system shall ensure that users feel satisfied while using it, with most users reporting satisfaction. - User Satisfaction Requirement 20. The system shall protect private information in accordance with the organization's information policy and ensure that only authorized users have access to sensitive data. - Security Requirement 21. The system shall allow users to view previously downloaded search results, reports, and appointments. - Data Access Requirement 22. The system shall provide a help section with answers and solutions to common problems. - Support Requirement 23. The system shall allow users to easily integrate new building maps throughout its lifecycle. - Integration Requirement 24. The system shall ensure that only users with the appropriate access level are allowed to initiate dispute requests. - Access Control Requirement 25. The system shall generate a user report detailing any new users added and any changes to existing users' access levels. - User Management Requirement 26. The system shall allow users to activate a pre-paid card via the user section quickly. - Pre-Paid Card Activation Requirement 27. The system shall allow users to check the status of their pre-paid card by entering their PIN number quickly. - Pre-Paid Card Status Requirement 28. The system shall allow users to register as a 'pay as you go' user quickly. - User Registration Requirement 29. The system shall allow existing users to log in with their email address and password quickly. - User Login Requirement 30. The system shall allow users to cancel their account, with the process taking place quickly. - Account Cancellation Requirement 31. The system shall allow users to add/remove movies quickly. - Movie Management Requirement 32. The system shall allow users to access sales and usage statistics quickly. - Sales Statistics Requirement 33. The system shall ensure that all user information is stored on a secure database accessible only to authorized users. - Data Security Requirement 34. The system shall provide automatic software updates as new threats emerge. - Update Requirement 35. The system shall maintain consistent security, ensuring that any changes in user passwords and/or permissions take effect across all parts of the system. - Security Consistency Requirement 36. The system shall be scalable to support unlimited growth in the number of users. - Scalability Requirement 37. The system shall provide meaningful error messages to users, accompanied by explanatory text and suggested actions. - Error Handling Requirement 38. The system shall allow persistent defaults for data entry where desirable, including user-definable values and context-derived values. - Data Entry Requirement 39. The system shall be designed to minimize user errors and the effort needed to recover from them. - Error Recovery Requirement 40. The system shall provide a uniform look and feel across all web pages to enhance user experience. - Consistency Requirement 41. The system shall allow users to customize their interface, including menu contents and layout. - Customization Requirement 42. The system shall ensure that all user interactions are intuitive and easy to navigate. - User Interface Requirement 43. The system shall support multiple languages to accommodate users from different regions. - Language Support Requirement 44. The system shall provide clear navigation paths to help users understand their location within the application. - Navigation Requirement 45. The system shall ensure that all non-text media objects have alternative textual descriptions for accessibility. - Accessibility Requirement 46. The system shall allow users to easily locate instructions and help within the application. - Help Accessibility Requirement 47. The system shall provide a site map for users to understand the overall structure of the application. - Site Map Requirement 48. The system shall log all changes, updates, or fixes made to the site for accountability. - Change Log Requirement 49. The system shall ensure that all user data is encrypted during transmission and storage. - Data Encryption Requirement 50. The system shall provide a feedback mechanism for users to report issues or suggest improvements. - User Feedback Requirement 51. The system shall be capable of handling peak loads without degradation in performance. - Performance Requirement 52. The system shall allow for easy integration with third-party applications and services. - Integration Capability Requirement 53. The system shall provide a robust authentication mechanism to ensure secure access. - Authentication Requirement 54. The system shall maintain a high level of availability, ensuring minimal downtime. - Availability Requirement 55. The system shall support real-time updates to ensure users have access to the latest information. - Real-Time Update Requirement 56. The system shall provide detailed audit trails for all user actions for security and compliance purposes. - Audit Trail Requirement 57. The system shall allow users to easily manage their profiles and preferences. - User Profile Management Requirement 58. The system shall ensure that all user interactions are logged for security and monitoring purposes. - Interaction Logging Requirement 59. The system shall provide a clear and concise privacy policy accessible to all users. - Privacy Policy Requirement 60. The system shall be designed to accommodate future enhancements and scalability. - Future-Proofing Requirement |