El documento de requerimientos de software para la propuesta de desarrollo de “Super-lab”, un sistema para administrar el laboratorio de un hospital, consiste de capítulos de acuerdo a los factores de calidad requeridos:

correctness, reliability, efficiency, integrity, usability, maintainability, flexibility, testability, portability, reusability and interoperability.

En la tabla siguiente encontrarás secciones tomadas del documento de requerimientos mencionado. Para cada sección, completa con el nombre del factor que se ajuste mejor al requerimiento (sólo uno).

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| --- | --- | --- |
| **No.** | **Section taken from the software requirement document** | **The requirements factor** |
| 1 | The “Super-lab” software system will enable direct transfer of laboratory results to those files of hospitalized patients managed by the “MDFile”software package. | **Interoperability** |
| 2 | The probability that the “Super-lab” software system will be found in a state of failure during peak hours (9 am to 4 pm) is required to be below 0.5%. | **Efficiency** |
| 3 | The “Super-lab” software to be developed for hospital laboratory use may be adapted later for private laboratory use. | **Reusability** |
| 4 | The training of a laboratory technician, requiring no more than 3 days, will enable the technician to reach level C of “Super-lab” software usage. This means that he or she will be able to manage reception of 20 patients per hour. | **Usability** |
| 5 | The “Super-lab” software system will record a detailed users’ log. In addition, the system will report attempts by unauthorized persons to obtain medical information from the laboratory test results database. The report will include the following information: the network identification of the applying terminal, the system code of the employee who requested that information, the day and time of attempt and the type of attempt. | **Integrity** |
| 6 | The “Super-lab” software system will process all the monthly reports for the hospital departments’ management, the hospital management, and the hospital controller according to Appendix D of the development contract. | **Reliability** |
| 7 | The “Super-lab” subsystem that deals with billing patients for their tests may be eventually used as a subsystem in the “Physiotherapy Center” software package. | **Flexibility** |
| 8 | The software system should be able to serve 12 workstations and 8 automatic testing machines with a single model AS20 server and a CS25 communication server that will be able to serve 25 communication lines. This hardware system should conform to all availability requirements as listed in Appendix C. | **Testability** |
| 9 | The “Super-lab” software package developed for the Linux operating system should be compatible for applications in a Windows NT environment. | **Portability** |