CREATION OF AN ELECTRONIC SYSTEM OF REGISTRATION OF DIAGNOSTIC TOOLS IN THE STATE

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Currently, state authorities and management bodies are active consumers of software products. Next, large-scale work aimed at automating the production processes of large enterprises, creating information systems and resources, introducing software products and interactive state services is being carried out in our country.

It is known that in accordance with the Law of the Republic of Uzbekistan "On Medicines and Pharmaceutical Activities" adopted on September 17, 2009, the State Register of Medicines, Medical Products and Medical Equipment allowed to be used in medical practice is Health it is published annually by the Ministry of Health and is considered an official document for all institutions and organizations involved in the distribution of medicines, medical supplies and medical equipment.

The creation of an electronic system of such an important document will create a wide range of conveniences for pharmaceutical, medical professionals, as well as other categories of users. The electronic system is not only recording, but also has multi-parameter search, which allows to obtain various types of statistical data.

The registration certificate is issued for a certain period. It is envisaged that changes can be made to the certificate within this period. If the certificate expires, it can be removed from the register or extended. The ability to view the current status of the list as of a given date in the system allows studying the dynamics between periods. A multi-parameter search system has been implemented in the program, with the help of which it is possible to select and sort records with different parameters and obtain various statistical data. These statistics are presented to the user in the form of graphs and tables. During the formation of the electronic system of the register of medical devices, several requests, including requests of countries, manufacturers, groups of medical devices, were formed. The electronic system works on a multi-user "client-server" platform based on WEB technology. The convenience of this technology is that users only need a browser, and there is no need for an additional program. The Java programming language, which has a cross-platform feature, was used to create an electronic system. This approach allows the system code to be used on different platforms. That is, one of the main advantages of the Java programming language over other programming languages is that the source code written in the Java programming language can work on another platform without any changes. Java is platform-independent because it uses a virtual machine. The Java programming language and all APIs are compiled into byte codes. Byte codes are effectively platform-independent. The virtual machine takes care of the differences between the byte codes for the different platforms. The run-time requirements for Java are therefore very small. The Java virtual machine takes care of all hardware-related issues so that no code has to be compiled for different hardware.

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