

THE INFORMATION SYSTEM DEVELOPMENT FOR THE SEARCH OF THE NECESSARY MEDICINES

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In the work is considered the issue of a comprehensive conceptual information system for searching for necessary drugs by name or active substances of the product. The information system development will help to optimize the search and selection of analogues, if the specified goods are not available or funds do not allow to purchase a particular product. The architecture of the developed information system has a certain theoretical and applied significance.

The goal of this work is to create a comprehensive conceptual information system for searching for the necessary medicines by name or active substances of the product. The developed information system will help to optimize the search and selection of analogues, if the specified goods are not available or funds do not allow to purchase a particular product. The architecture of the developed information system has a certain theoretical and applied significance.

The relevance of this work lies in the fact that the search for medicine and their booking with the help of information systems has completely changed the pharmaceutical business. At the moment, there are several services in Ukraine, the popularity of which is only growing every day. But such a large number of applications sometimes misleads the buyer. Because some services have a too complicated application, and some contain several more services in one, which can confuse the user.

Therefore, after analyzing the market of Internet applications on this topic, it was decided to develop an information system for finding medicines, which will help users quickly find medicines by name or ingredient, as well as book them. This web application should have a simple and user-friendly interface, but at the same time, it should allow the user to optimize the search by active substance and choose the drug according to his criteria, for example, the cheapest or the most popular, etc.

The following functionality was proposed and implemented in the work: the ability to search for medicine by name or main ingredients, which allows you to choose drugs that are more suitable for buyers on the main page of the web application, search for drugs on the main page of the web application; the possibility of viewing information about the product (name, price, composition); searching for the availability of drugs in pharmacies and displaying the price; the possibility of booking medicines; receiving a notification by the user about the reservation.

The method of using a multidimensional client-server architecture for the development of a software application was further developed in the scientific work. Therefore, the result of the work is a software application developed in the JavaScript programming language and using the following technologies: HTML, CSS, React, MySQL, Node.js, Express.js, Sequelize.

The results of the program are the creation of a comprehensive conceptual information system for the search of drugs by name or active substance, which is the main component of the product, optimization of the search by drug components, and illustration of performance on possible requests.