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**Optimization of the information process model**

**of user interaction with distributed information resources**

**on the basis of a chatbot**

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***Abstract.***Modern basic professional educational programs are distinguished by the high labor intensity of independent work, which determines the purpose of this study, which is to search for new and optimize existing forms of information interaction between the subjects of the educational process and distributed information resources in conditions of blended learning. In this paper, a model of the process of information interaction of the interactive nature of users with distributed information resources based on a chatbot is proposed. The article consistently presents the experience of creating a chatbot for the Telegram messenger, which implements the model of information interaction when organizing independent work (on the example of learning programming languages). The structure of the proposed software solution and its components are considered, the physical scheme of the designed database is presented. An interaction tree has been developed that describes the main scenarios of the chatbot. The results of the study can be used in the implementation of independent work in various academic disciplines.

***Keywords****:* information interaction, information educational resource, subject of the educational process, chatbot, interaction tree, PHP, MySQL

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