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CHATBOT DEVELOPMENT FOR TELEGRAM SOCIAL NETWORK

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Chat-bots, as modern communication tools, have become widely used in many areas of human life in order to establish contact with Internet users. Chat-bots became most popular when they began to be used in messengers and social networks (for example, in Telegram, Viber, Facebook).

Modern types of Internet communications are able to act as a virtual interlocutor and repeat and reproduce a written set of human signs, providing a programmed answer to questions.

It is based on such information and communication technologies as artificial intelligence, neural networks, which allows to bring chat-bot communications closer to human virtual communication and solve commercial and marketing problems with their help.

The algorithm of the chat-bot was based on pre-loaded templates, memorizing words entered by the user, and the answer to the corresponding.

The structure of the chat-bot includes services, Google API and Telegram Messenger, which is downloaded from the user's device. The Telegram application plays the function of a platform for developing a bot, as well as its placement. Assistant.py - a file with the logic of most services that are in the bot itself. Speech-to-text recognition plays the role of language synthesis, which after processing audio or text requests the services Assistant, Search, Dialogflow. After processing the request, the services send the result to the device, and the result itself will be in the bot itself, where the request was made. The search is conducted in the form of communication. This bot should have a convenient tool for finding and displaying the necessary information.

References

1. Chatbots: a review and state of technology in the industry [Electronic resource] - Access mode: <http://nlp.net/arcves/425>
2. Chat-bot for business [Electronic resource] - Access mode: <https://www.integrity.com.ua/chatbots-business/>
3. Exploring chatbots for news [Electronic resource] – Access mode: <https://medium.com/nos-digital/exploring-for-news-7f12d226c53d>
4. AI and Chatbots in Education [Electronic resource] – Access mode: <https://ctsmagazine.com/ai-and-chatbots-in-education-what-does-the-futurehold-9772f5c13960>