# DEVELOPMENT OF AUDIOGID SOFTWARE FOR HISTORICAL MONUMENTS OF SHAKHRISABZ USING QR CODE TECHNOLOGY

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**Annotation:** *This article is devoted to software development for the audio guide of historical monuments of Shakhrisabz using QR code technology. Information is provided on the software concept, programming languages, online QR code platforms, and hyperlink development requirements. Conclusions and suggestions are given about the importance of the developed software, its implementation in practice. The thesis consists of an introduction, the main part, a conclusion and a list of references.*

**Keywords**: *QR code, technology, digitization, multimedia, tourism, audio, modern technologies, audio data.*

## INTRODUCTION

A factor in achieving certain results is the introduction of information and communication technologies both in the field of tourism and in other areas, as well as their direct use in order to improve the quality of services.

In particular, due to the lack of an audio guide to the historical monuments of Shakhrisabz, based on QR code technology, the development and implementation of a program based on new modern technologies, with a user-friendly interface filled with verified and verified information that meets modern requirements, in a tourist destination can help tourists learn more fully about historical monuments during travel, as well as meet their need for additional information does.

## THE MAIN PART

Great changes are taking place in our republic, due to the great attention paid by the head of state to the tourism sector, the opportunities created, and the conditions. At the moment, large-scale work is underway to digitize the industry.

An audio guide is a tool that provides voice instructions and information on a specific location, object, or topic. As a rule, an audio guide allows the user to listen to important information related to a specific address or topic. Audio guides are a very handy tool for tourists, students, or those interested in a particular topic, as they allow you to use voice information instead of reading notes or carrying a guidebook.

By collecting data on historical monuments located in the city of Shakhrisabz, a software database was developed based on these data. The database consists mainly of text, audio, and graphic information, and sections in Uzbek, Russian, and English have been created for the convenience of users.

Shakhrisabz used a number of software and hardware tools to develop the audio guide for historical monuments. Audacity software was used to process audio data. This program differs from other programs by having a user-friendly interface for processing audio data, and by having a number of functional features.

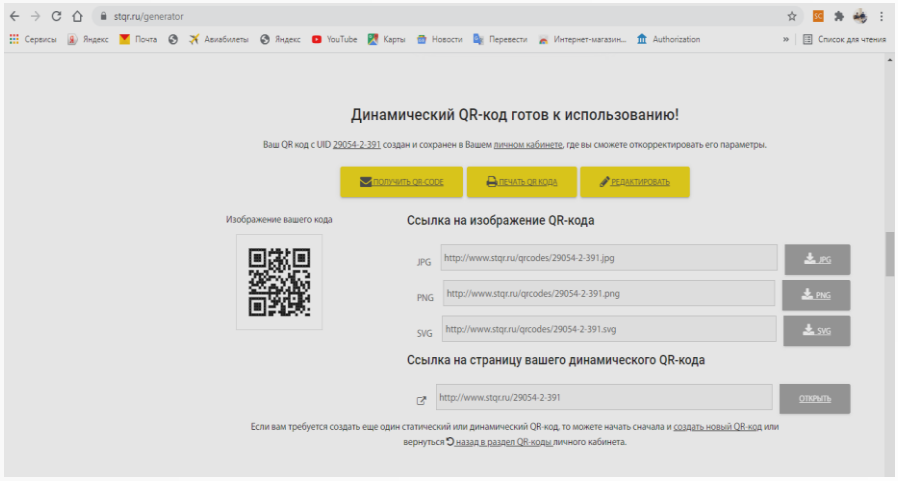


Figure 1. Formation of QR code data.

CorelDRAW graphics software was used in the development of the software and design part, a software logo and banners for home pages were developed.

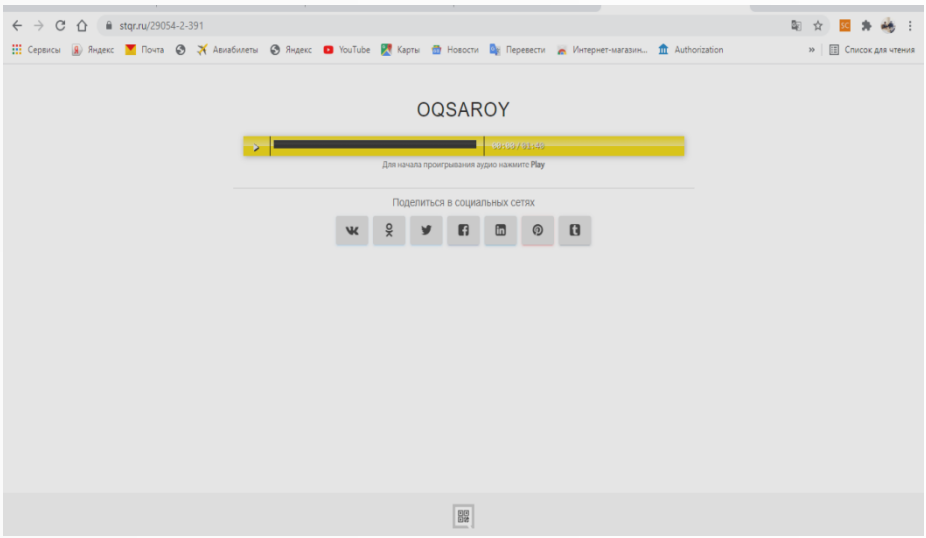


Figure 2. Audio information of the historical monument “Aksaray".

Using online QR code generators, a separate QR code was developed for each historical site, and their server was temporarily used. Audio data was attached to the generated QR codes, each of which had its own separate hyperlink.

## CONCLUSION

Shahrisabz the development of an audio guide software for historical monuments will provide a number of opportunities for both local and foreign tourists, as well as serve to organize their more exciting trips. The combination of digital technologies with history and their application in practice will further increase the interest of tourists in our country and further develop the industry.

## USED LITERATURE:

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