Encyclopedia of classical music.

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Introduction.

1. Encyclopedia: contents of the project.
3. Navigator
4. Quiz
5. Articles
6. The excursions
7. Chronology
8. Dictionary
9. Audio
10. Video
11. Animations

Cognitive process in education becomes more activity in using multimedia technologies, giving the teachers and students deep more and universality of learning the object of studies.

Project, developed by group of Russian music educators, teachers and software specialists with common named "Encyclopedia of classical music".

Two multimedia projects on classical music has been done by this group of authors during last two years: "Encyclopedia of classical music", "The Masterpieces of Music". They addressed to the wide range of users and adapted to the process of education.

1. The first Russian edition dedicated to the history of classical music on CD-ROM named "Encyclopedia of classical music", was published last year in Moscow.

The project created as multimedia's encyclopedia provided good opportunities in cognitive process of any sides of classical music. The plenty of audio and video records, sound excursions, animations put the user into wonderful world of classical music.

Combination of the materials of the project formed on chronological and alphabetical order. The opportunity to search the necessary items or article provided by the navigation system (Navigator) Menu of articles consists the lists of genres, styles, music instruments, names video and audio fragments, animations. The hypertext links play important role in the project.

The project consists of a big amount of sound fragments (more than 5 hours, 279 biographies of famous composers from Middle Ages to the nowadays, more than 100 biographies of outstanding classical performers. Video fragments of well-known ballets and operas adds to the articles count more than 200 music masterpieces, in the same as many articles about various styles and different epochs in history of music.
2.
Screen. On a brown bar in a top of the screen three menus ("Appendices", "Set-up", "Bookmarks") and two buttons ("Dictionary ", "Search ") are located. In the menu "Appendices " you can select any of three appendices - " Excursions ", " Quiz " or " Chronology ", and also to work in the text editor, using materials of the Encyclopedia.

![Pic.1 Navigator](image1)

Pic.1 Экскурсии

Hypertext. For transition in other articles use active zones of the text selected by various colors. But you can change both color of the text, and color of active zones, visiting a cursor on the text, to press the right mouse button and, by selecting in the opened menu item " to change color ".

Font size. The "Set-up" menu allows to select the installations, necessary to you, of the Encyclopedia, parameters and font sizes, parameters of the printer.

Bookmark. If you want to form the "bookmark" menu you can mark the articles, necessary to you. Here the list of the articles, marked by bookmarks is contained.

Copy. You can copy or print out any article or illustration of the Encyclopedia, guiding on it a cursor and pressing on the right key of "mouse".
You can print out an illustration, by changing it sizes and by supplementing it by any text previously copied in a Folder of the exchange (Clipboard).

3.
The Navigator. The search to make your operation with the Encyclopedia even more pleasant. It will help fast to find the articles, which are necessary for you now. It will help fast to find just those articles, which are necessary for you now. The window of search will appear for want of pressing left <PICTURE> Key of "mouse" on the appropriate button located on a brown bar at the top of the screen. This window consists of two parts. In main it the parts are given the names of the articles. They could be formed on sections or are given in alphabetic order.
Above the list of the articles, the line of input is located. (Pic.2)
The lectures escorted by slide show featuring the most interesting places, persons and events in music culture of chosen country.

6.
The articles. The articles are the main part of the Encyclopedia. The articles contain the biographic information on the composers and performers, information about music masterpieces (their plots, premieres, and history of writing), about musical instruments (Pic.5), genres of classical music, epochs. If the opened article is devoted to any of the composer, you can at once look a biographic part of the article or that part, where the works of this composer are listed.

Pic.5
The some articles were added by audio fragments of music masterpieces of the corresponding composer or work duration 2-3 minutes each and videofragments relating the articles.

7.
The chronology helps to learn the major events of world musical culture, since VII century. In the left part of the screen there is a line of time, which help you can fast move on Chronology. By selecting this or that date, it will pass to the beginning of this period (Pic.6)

Pic.6

8.
The dictionary. (Pic.7) The dictionary contains explanations of the various musical terms. The dictionary is called by pressing of the left key of "mouse" the appropriate button.
The dictionary consists of two parts. In the left part the list of the terms in alphabetic order is placed. Above the list there is a line of input, in which you can type the name of the term, interesting for you. In the right part you will read it an explanation.

Pic.7
9.
Audio fragments. Audiofragments added to the articles dedicated most prominent composers and creations. Also through the navigator you can choose needed fragment.

10.
Video. Videofragments also added the articles about most remarkable composers and its works - ballets and operas. You can change the format size of video and volume of the sound.

11.
Animations.
The project consists of the four animations accompanied by sound lectures about device of most known classical music instruments with the patterns of sounding of the instruments.

Alongside with this project, authors created the project "Masterpieces of the classical music", also devoted the different sides of classical music. It is perfectly designed and including the sound lectures about music genres and epochs, accompanied by the slides and music. It consisted well designed test-game. Project also comprises articles about music instruments and dictionary.