**Ministry of Education and Science of the Republic of Kazakhstan**

**«Kostanay Kazakh-Turkish boarding school for gifted children»**

**Made:** Shaykemelov Teymur 11B class

KimVladimir 10B class

**Topic: «Online testing in schools»**

**Section**: Programming

**Content**

Introduction..................................................................................................................................................1

Research section………………………………………………..………………………………………………......................................2

Description of program for teachers............................................................................................................3

Description of program for students............................................................................................................3

Conclusion....................................................................................................................................................4

References………………………...........................................................................................................................5

**Annotation**

The aim of this work is the task of online testing in schools, as well as verification of current knowledge of the students and conduct routine examinations.

**Introduction**

Nowadays it is very highly developed information technology. Everybody is trying to move to the use of these technologies. All modernized. Now you cannot spend time on a particular task.

XXI century - the age of information technology. We all now have tablets, smartphones, ultrabooks, etc. We had the idea to make a program in which it will be possible to carry out testing in schools, without spending a lot of time and resources.

In particular, our program will help the teacher to check how much learned study of the subject material was.

**Research section.**

On the Internet, a lot of different ways to test your knowledge. Just go to Google and enter the online test. You will not find a site that will give you the opportunity to take the test for a particular material with the desired level tasks.

The program was written in object-oriented programming language - Java. Why Java? Java is a basis for a number of platforms, designed for software development and providing effective work on systems with different chip architecture.

Java helps to developers solve the problems of server, client and embedded systems.

One of the main advantages of Java - its independence from the platform on which the program is executed. Thus, the same code can be run on different operating systems.

The aim of our program – providing simplified test on the material covered in the teachers.

In the first version, it was not possible to save created tests, create more than one test, and for communication between programs have been used only to sockets.

In the second version we have added ability to connect to the database that stores the tests for students and their results.

Both programs for teacher and student are connected to the MySQL database, and interact with it, thus we have improved our program.

**Description of program for teachers.**

The program for the teacher has the opportunity to create a test with the necessary level of difficulty of the questions. You can prepare some tests for students that they can perform the following. Also, the teacher can see the results of the students.

**Description of the program for the student.**

The program for the student, the student may find outstanding tests. Also there he can see the results from previous testing.

**Conclusion**

As you can see, we have considered the main part of the program. The program works but still not perfect.

We have lots of ideas to improve our program. For example, write a version for *Android*. Since everyone has a tablet and touch phones, through which students will be able to use this program.

Also in the panel Stats necessary to make the monitoring of connected clients to the teacher could make sure that all students have been connected.

There is an idea to improve the test itself, that is, the dynamic creation of different variants of the test modules.

Ability to create different types of questions, like selection of appropriate within the meaning of words.

The program has been tested among students and has been successfully tested. Students like the program because it is easy to use.

**References**

1. Herbert Schildt, The Complete Reference JAVA. Java SE 6 Edition, 2007.
2. Herbert Schildt, The Complete Guide, 2012.
3. H. M. Deitel, Java™ How to Program, Sixth Edition, August 04, 2004.
4. Herbert Schildt, SWING A Beginner's Guide 2007.
5. It is also used video tutorials on the Internet.