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**THE STRUCTURE AND FUNCTIONALITY OF THE INTERACTIVE  
ELECTRONICTRAINING SYSTEM, IMPLEMENTED IN THE DELPHI 7.0SYSTEM  
ENVIRONMENT, TO LEARN ENGLISH**

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***Аннотация***

*Мақала ағылшын тілін үйренуге, жүйе қоршаған ортаға 7.0 Delphi іске асырылуда электрондық оқыту жүйесі «электронды ноутбук», құрылымымен функционалдық сипаттайды.*

### **Аннотация**

*В статье дается описание структуры и функциональные возможности электронной обучающей системы «Электронный блокнот», реализованной в системной среде Delphi 7.0, для изучения английского языка.*

### **Abstract**

*This paper describes the structure and functionality of the e-learning system "electronic notebook", implemented in the system environment Delphi 7.0, to learn English*

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**Түйіндісөздер:** *электрондық оқыту жүйесі, Ағылшын филологиясы, жүйе ортасы, электрондық ноутбук, сынақ бірлігі.*

**Ключевые слова:** *электронная обучающая система, английская филология, системная среда, электронный блокнот, тестирующий блок.*

**Keywords:** *e-learning system, English philology, system environment, an electronic notebook, a testing unit.*

## **1. Introduction.**

The training system "Scratchpad", implemented in the system environment Delphi 7.0, is designed to study the English language, the implementation of individual homework, tests and preparation for classes.

In 2015-2016 a pilot proposal for the development of the training aid in the subject Modern methods of Foreign Languages Teaching and Learning was run in Kostanay State teacher Training Institute. The Concept of Education Development in the Republic of Kazakhstan until 2030 and The State Program for Education Development in the Republic of Kazakhstan in the period 2011-2020 give clear orientation to the considerable changes in the sphere of foreign languages education. Such changes cannot be achieved without highly professional foreign languages teachers. They have to:

- ✓ possess a knowledge of the foreign language compatible with the world standards;
- ✓ be fully aware of the modern foreign languages teaching methods;
- ✓ be able to effectively choose between the existing methods and technologies those which answer the demands of the concrete teaching situation
- ✓ work to achieve the final goal of foreign languages education, i.e. formation of their students' communicative and intercultural competences.

All this, in its turn, arise the question of professional training of young and serving teachers. Nowadays the time of scientific and technical revolution appreciably has changed and has complicated the role of the teacher at school. He is not only a source of information for the pupils, but a person, who organizes and directs the process of studying and upbringing, influences the pupils by his personal characteristics. That's why great hopes are assigned to the teacher of new generation in our country. Teachers need to put much effort in modeling class, vary the activities, apply modern language laboratory equipment, expand their knowledge in innovation materials and change their attitude to modern technology. Only a creative teacher can bring up a creative person. For this reason, creativity gets an important sounding nowadays, the creative approach to the planning of a lesson is a pledge of successful realization of communicative method of foreign language teaching and learning.

In connection with ongoing efforts to promote proficiency in communicative performance of language students, instructors of foreign languages and ESL/EFL continually seek to make maxi-

imum use of precious limited contact hours in the classroom to provide the learners with the most beneficial combination of language and culture in authentic situations' contexts.

As it's known neither curriculum nor textbooks can present the ready-made scheme of a lesson to the teacher; she should design it herself. The definition of the purposes of a lesson, choice of activities and methods of training is the business of the teacher. The changing rationale for foreign language teaching class modeling and the classroom techniques and procedures used to teach languages are the subject of the suggested course. In this course we will clarify ways of class modeling and present a structure of foreign language class modeling.

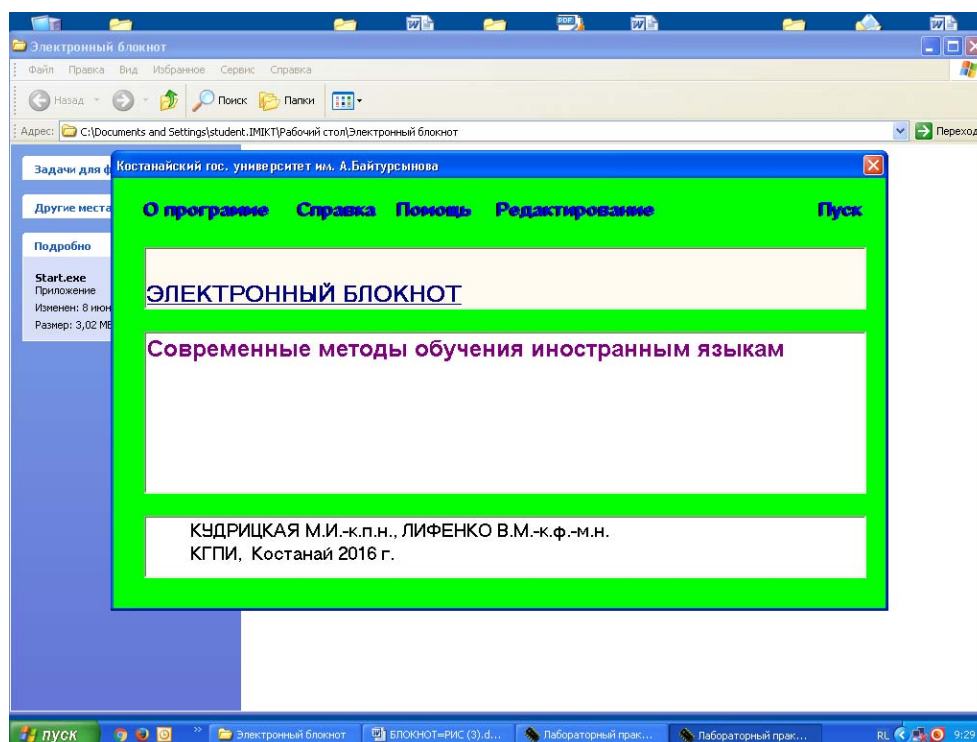
Another important issue to be viewed is assessment. A trend that merits particular attention is the growing use of state assessments to make high-stakes decisions about individual students, teachers, and schools. When stakes are high, it is particularly important that the inferences drawn from an assessment be valid, reliable, and fair.

This course offers an overview of the research and practice in foreign language teaching, and explores implementation in the classroom of commonly used communicative and non-communicative or text-bound teaching materials. It also suggests practical recommendations for developing and incorporating materials - especially authentic media - into the teaching of language and culture at all levels, from beginning to advanced.

## **2. Materials and Methods.**

Particularities of the training aid operation are presented in this article to give a most general idea of the program implementation.

To work with an electronic notepad, you must run the program "Notepad", which opens the window-saver (Figure 1) with a demonstration of frames University teaching laboratories, measuring stands, teachers pictures.



*Figure 1. "Screensaver"*

Dynamic video demonstrates for ten seconds, then after activating the button "Enter", rendered the title page of the electronic notebook to perform editing operations (Figure 2).

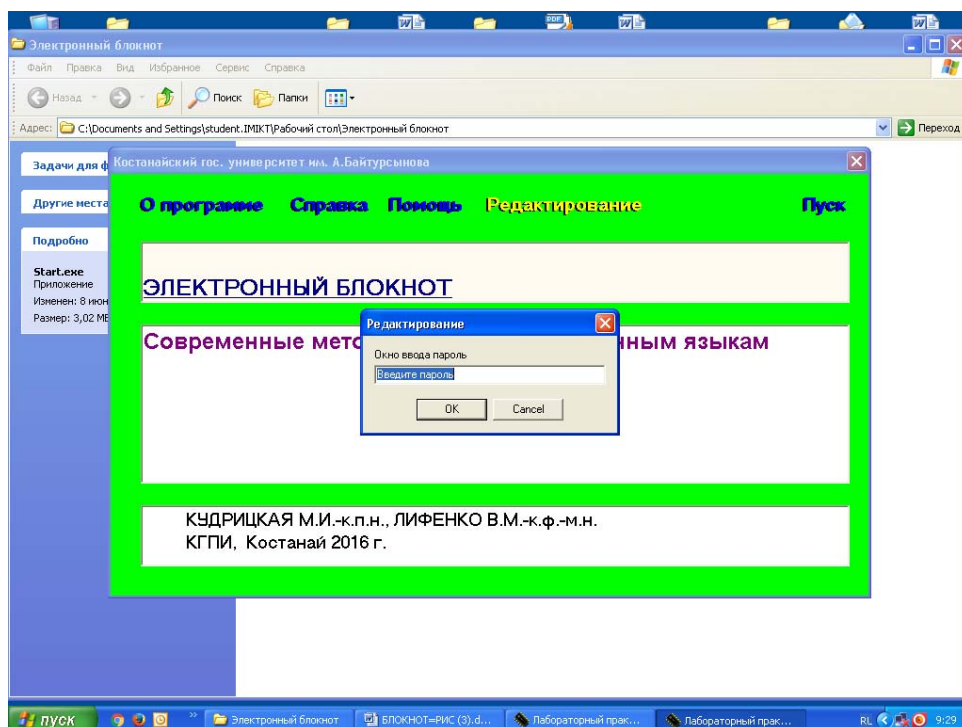


Figure 2. The "TitlePage"

Software electronic notepad, implemented in an environment DELPHI 7.0, allows you to change the colors of the cover sheet fields, labels, title editing buttons, size and font types. Activating the "Start" button to implement the educational possibilities of the electronic system (Fig. 3), which opens the Welcome window.

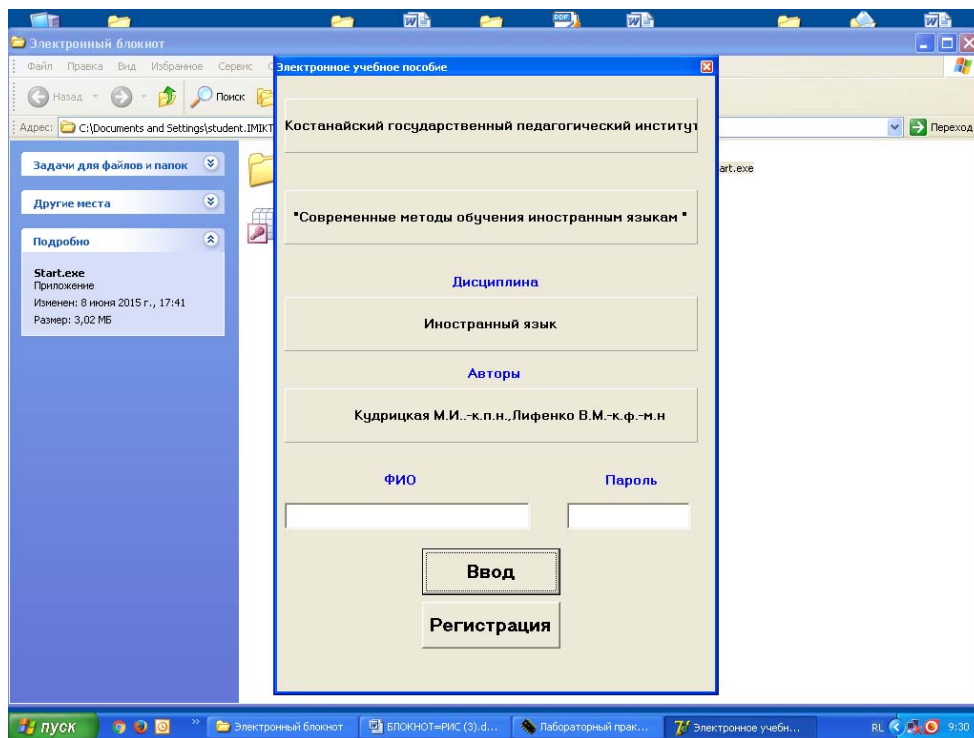


Figure 3. The "Title Page Learning System"

User registration is carried out by entering the names in the active window and then clicking on the button "Enter" opens access to educational information.

User's Manual. When you start a training system for the first time, you must activate the "Register" button, enter the login name and biographical information in the appropriate fields, click "Enter". The registration windows shown in Figure 4.

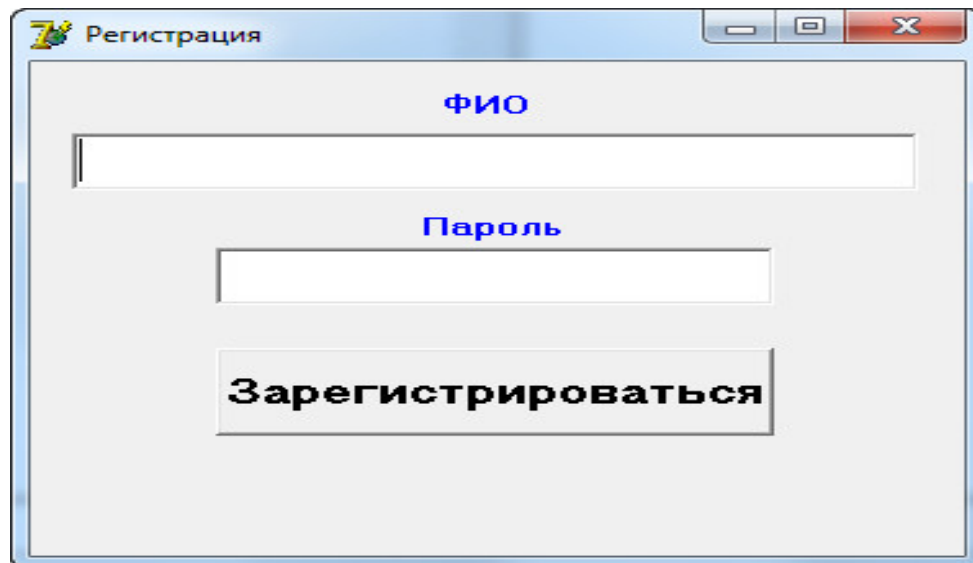


Figure 4. Registration Window

The main window is (Figure 5) workspace functioning program. On the left is a tree-list of educational materials: documents, programs, video and electronic library. This particular program has been used for students in both higher educational institutions: Kostanay State University named after Ahmet Baytursynov and Kostanay State Teacher Training Institute as a pilot proposal.

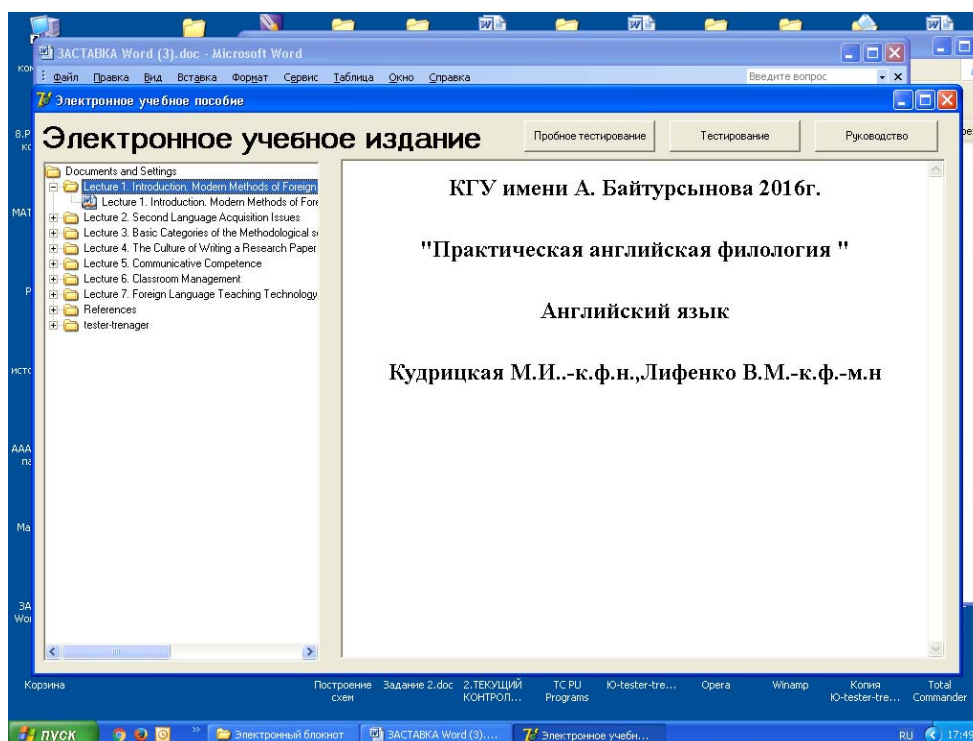


Figure 5. The main window of the training system

The right hand side to view the HTML pages in the textbook (Figure 6). This particular aid is aimed at the course of Methodology of Foreign Languages Teaching and Learning and includes

lectures, testing tasks for knowledge assessment and control, practical assignments, students' independent research tasks, additional texts for reading and discussion, and a few videofiles.

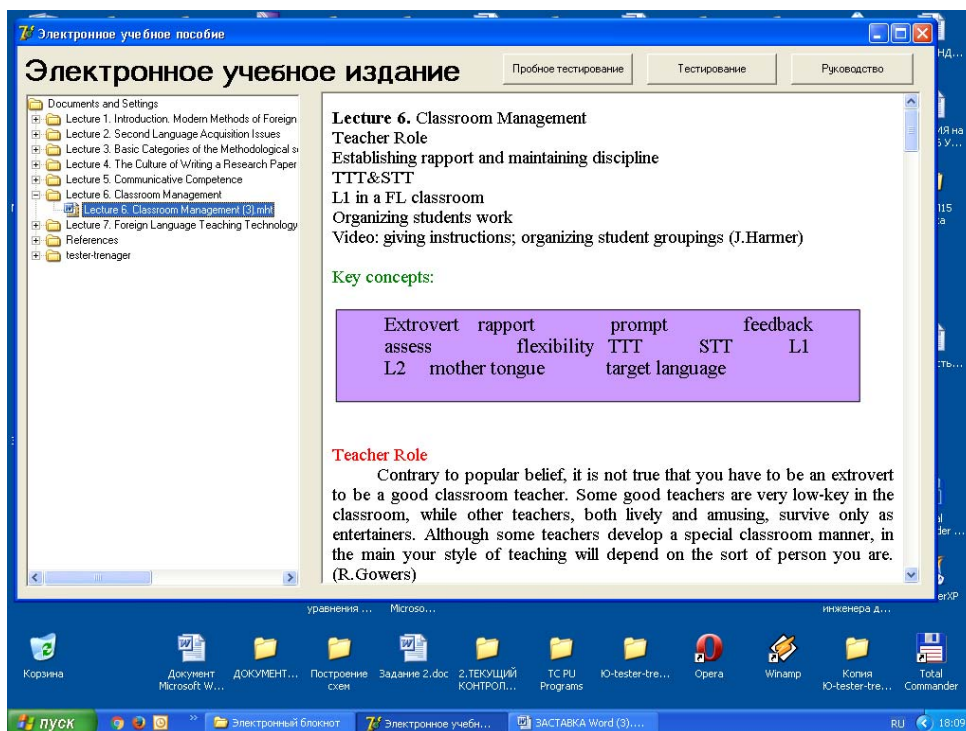


Figure 6. "Activating learning system files"

If the list is selected HTML file, it will be displayed in the right field, the choice of other information is visualized a brief tutorial announcement (title, author, subject). To run the program, video or open a file from the list, simply double-click on the folder name. By clicking on the "Test" button testing operation is implemented (Fig. 7).

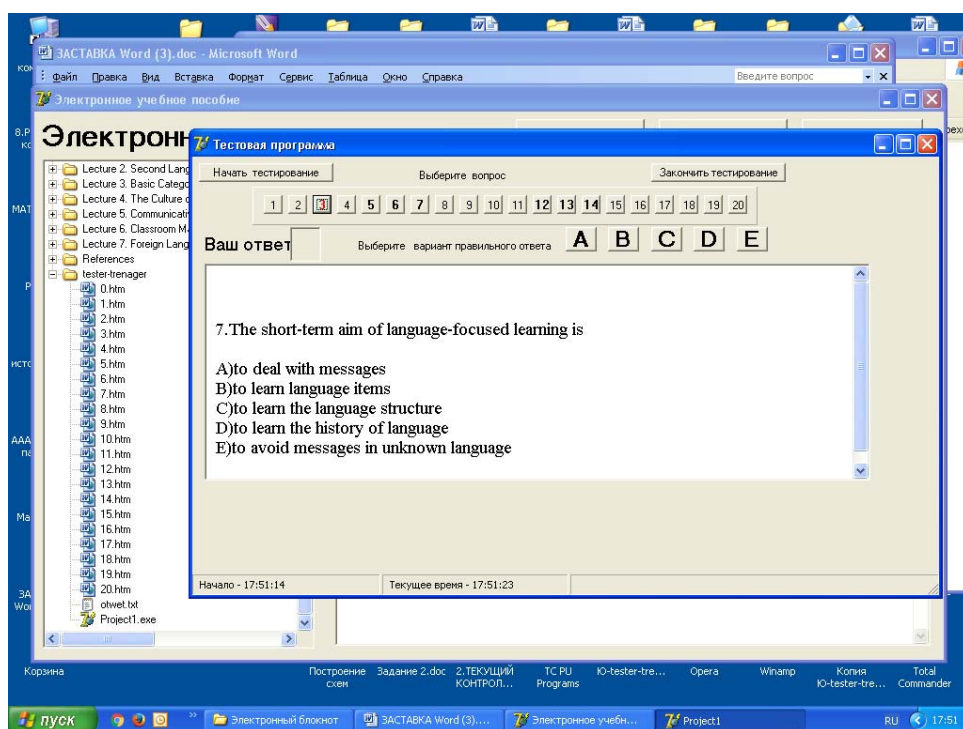


Figure 7. "Test operation training system"



When you double-click on the test is activated test mode, with the appropriate choice questions appear randomly selected. To pass the theme control is necessary to choose the right answers to twenty questions, and at the end of the testing window there is information on the number of correct answers and the rating of academic achievement.

Manual editing of educational material.

To edit the educational material necessary to perform the following operations.

1. Nabrat keyboard password field on the active learning system of the title page (Figure 3) to activate the edit mode. It is possible to correct the alphanumeric password in order to protect information.

In the left margin of the window when editing mode is a tree-list of material benefits, documents, programs, video. Right field is used to view HTML pages inside the manual. When you select a file in the list HTML- its display located in right field.

2. To run a program or open a video file from the list, you must double-click operation.

3. For To rename a folder or file from the list, click on it once and wait a few seconds.

4. To add material to the textbook, you need to right click on a tree-list, which will open the context menu.

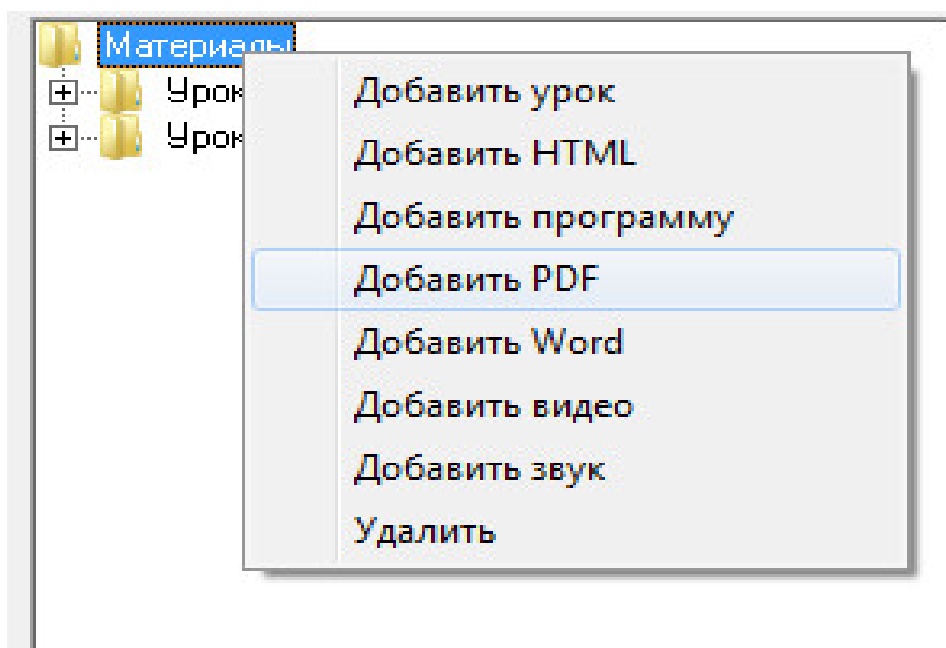


Figure 8. "Test Operation training system"

5. Vydelenie in the list of "Add lesson" line results in a category folder, in this case you must specify the name of the lesson and then activate the root folder called "Materials".

6. Vydelenie in the list of "Add HTML» line adds a folder HTML-page, with the activation of this field opens a window to select the file type (Figure 9).

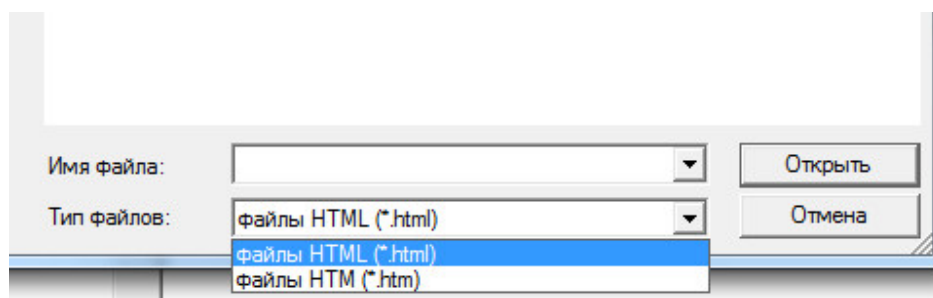
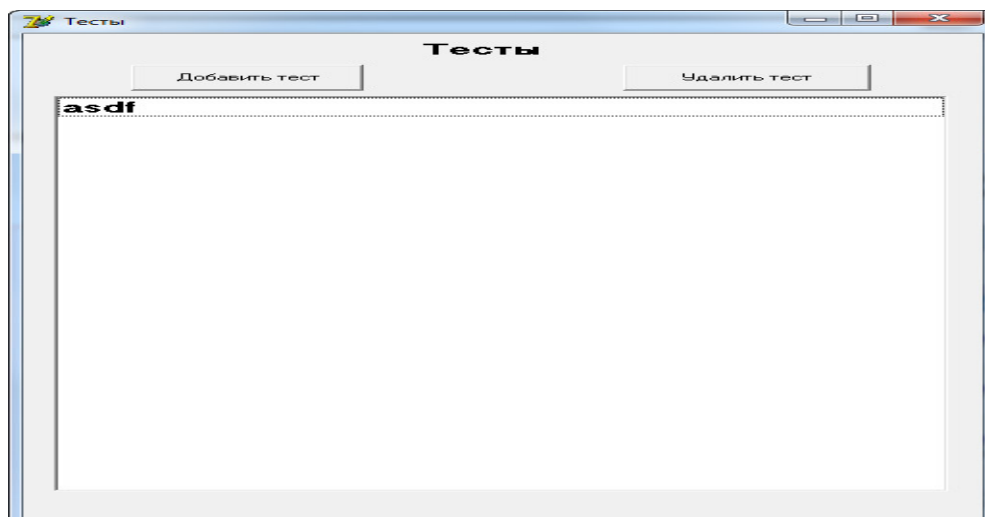


Figure 9. "Test Operation training system"

The "Files of Type" allows you to use the material in different formats - HTML and HTML-files.

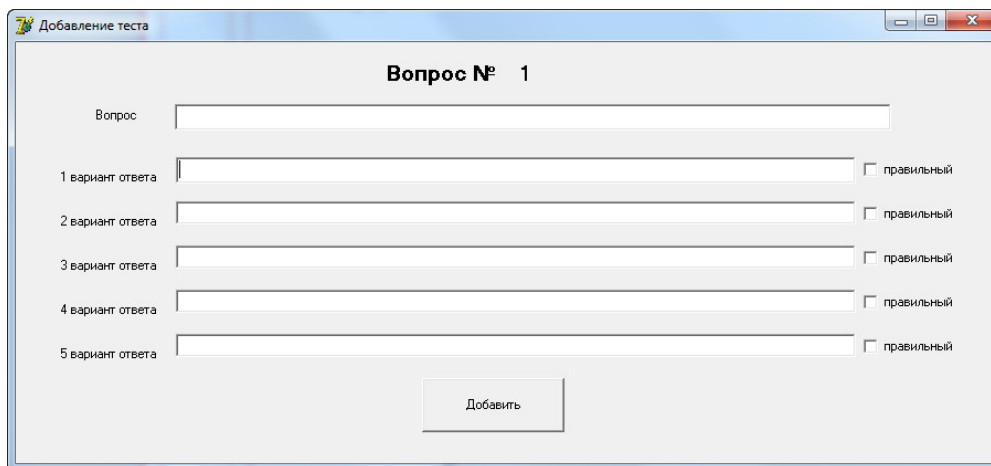
7. Analogically it is possible to implement the operation "Add Program", "Add PDF File," "Add WORD", "Add video file", "Add Sound", "Delete File", "Edit Cover", "Change Password".

8. Accentuation in line list of "Add a Test" opens test tasks management window (Figure 10).



*Figure 10. "Test job control window"*

In this window, there are 2 buttons "Create test" Delete test "and a list of already created test. When you click "Add a Test" program goes into test tasks editing. After entering information about the name of the test and the number of questions, a window with the possibility of an operation to add questions in test (Figure 11).



*Figure 11. "Edit Fields to add questions to the test"*

This window shows the top number of the question. Entered in the appropriate fields questions and answers, and then tick (right), there is a correct answer. After you enter a question and answer, you must activate the "Add" button, and the issue will be added to the test and you will be taken to add the issue to the next full database update tasks. An alternative method of adding materials to benefit is realized when copying data files in various formats (HTML, Word, C++) and folders directly into the folder "Materials" (Fig. 12), which is activated simultaneously with the launch of the training system.



Help	28.11.2013 0:57	Папка с файлами	
Материалы	21.11.2013 12:09	Папка с файлами	
hello.html	21.11.2013 12:20	Firefox HTML Дос...	1 КБ
prompt.dat	21.11.2013 12:20	Файл "DAT"	1 КБ
Тест1.tst	21.11.2013 12:21	Файл "TST"	1 КБ
Тест1.txt	21.11.2013 12:21	Текстовый докум...	1 КБ
Электронный учебник.exe	21.11.2013 13:20	Приложение	649 КБ
Электронный учебник.res	21.11.2013 13:20	Compiled Resourc...	1 КБ

Figure 12. "Operation database update system electronic learning material"

### 3. Results.

The course «Modern Methods of Foreign Languages Teaching» is designed to provide the teacher trainee with a detailed account of major professional skills, practices, techniques and even tricks, which would help them to enter their professional field. The roles of teachers, learners, and materials within the method or approach and the classroom procedures and techniques that have been theoretically studied now are given a deeper insight. All these details are intended to build the core elements of the teacher trainee's professional competence.

Within the course, our aim has been to let the teacher trainees feel the essentials of the profession, and practical classes will help them approbate whatever they found appealing and useful in the theoretical frame of the course. The course is designed to give the teacher trainee a straightforward introduction to practical implementation of both commonly used and less commonly used methods alongside with the attempt to develop a creative attitude to the foreign language teaching process.

Students used the present aid in the course of preparation for the lectures, when doing testing tasks for knowledge assessment and control, practical assignments, students' independent research tasks, while studying additional texts for reading and discussion, and a few videofiles. In general their opinion was positive and some critical ideas that students suggested will serve for the further improvement of the training program in question.

When copying folders, videos and programs after the launch of the training system all the information saved in the materials list. Similarly, implemented an operation to remove and rename files. This feature is relevant when copying a large amount of software.

#### Conclusion:

Using the training system "electronic notepad" for completion, individual homework and preparation for English classes is relevant methodology and effectiveness among different interactive computer techniques. Assessment and evaluation of the course is carried out according to the rating system functioning in Kostanai State Teachers' Training Institute. This system implies the following types of assessment:

- Assessment of students' everyday performance in class (formative);
- End-of-theme assessment (summative);
- Final (examination) assessment.

The described e-teaching aid can be of assistance for all three assessment types and also can serve as an autonomy learning aid for students, which is quite in trend with modern education development in the Republic of Kazakhstan.

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