DBSV Verwaltungssystem
- TestModul -

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1. Foreword und ©

Das Projekt "DBSV - Datenbanken Schulverwaltung" entstand als Abschlussprojekt
in Zusammenarbeit der Klasse A95I3S und Herrn Dipl.-Oec. H. B. Jerichow
an der Fachschule für Bau, Wirtschaft und Verkehr Gotha.
Das Projekt wurde in dBase IV® (DOS) und in dBase für Windows 5.0® umgesetzt.

Special Thanks to:
- Jim K for his "graphical Key Login"

Diese Hilfedatei sowie das Programmsystem mit allen Daten unterliegen
den Bestimmungen nach UrhG.

Das DBSV-Verwaltungsprogramm ist **nicht** Public-Domain oder Freeware !
Nach § 69 UrhG ist jegliches "reverse engineering", d. h. decompilieren,
disassemblieren oder sonstiges zurückentwickeln in lesbaren Code nicht gestattet !

Das TestModul gehört zum "LMS/Schüler" Teil der Enterprise-Version von DBSV,
ist aber ein separat zu bestellendes Modul.

(The Author)

2. Configuration

Execute the db.sql file first, to make the necessary changes to the database.

Grant roles the permission to use the "TestEditor".
(Members of "Administrators" and "Students" have access by default.)

Logins for the Test Modul do not count for your license, as long as they have permission for it, any users may login.

3. TestModul

According to your role, after login you will see either the TestEditor or be able to take tests.

3.1 TestEditor

Only members of "Administrators" or with the "TestEditor" permission will see this.

Here you can create, edit and delete tests, view results as well as run a simulation. Choose the test in question from the treeview.

Note: Only tests that are not allowed to be taken online can be printed.
Only tests that are allowed to be taken online can be simulated and results viewed.

Only those tests that the current user has created will be shown.
Members of "Administrators" will see all tests created.

All events for the test modul (create, edit, run etc.) will be shown in the logfile in the category "LMS".
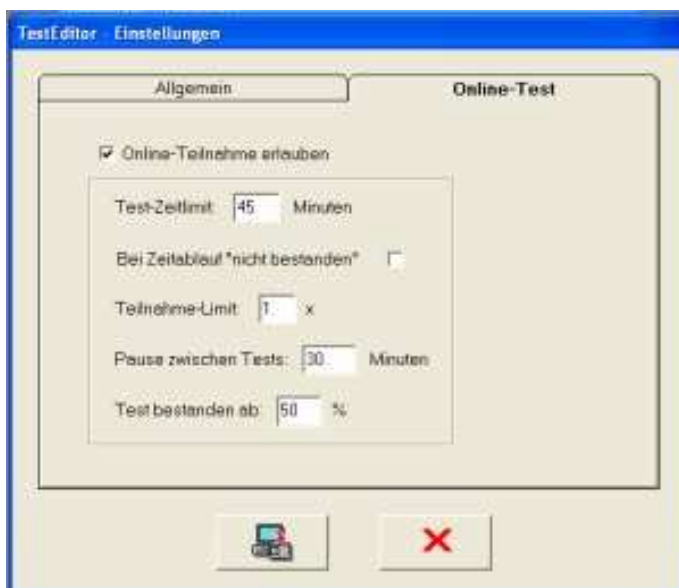
Create Test

Enter an unique name for the test, the description is optional.
Select the class and the subject the test is created for.

On the second tab you may choose if the test can be taken online or not.
If allowed the test cant be printed.

Set following options if you allow the test to be taken online:

- Timelimit: For a timelimit enter a Value between 1 minute and 240 minutes
      (= 4 hours). A Value of "0" means there is no time limit in this test.

- Expire: If the timelimit is "0" this option will be ignored in the test.
      Check this box to mark the test as "not passed" when the time limit
      runs out, no whether how many questions have been answered.
      Uncheck the box, only answered questions will be scored when the
      time limit runs out and not answered questions will be treated as "false".

- Limit of Default is "1", meaning the test can be taken only once per user.
  Tries: Enter a value > 1 if the test should be retaken by an user.
      i. e.: a value of "3" means, an user can take this test 3 times.

- Delay Test: If the number of tries is "1" this option is ignored in the test.
      If a test can be taklen several times by users, you can enter
      a delay in minutes, which must have been passed before the
      same test can be retaken by the same user.
      The value is between 0 and 1440 minutes (= 1 day).
      A value of "0" means there is no delay and test can be retaken
      instantly.

- Needed to pass: Since you probably do not know the total points when creating
      a test, you enter the percentage of it here that must be scored
      to mark the test as "passed". The value is between 1 and 100.

Edit Test

See previous chapter for the options if you want to edit a test.
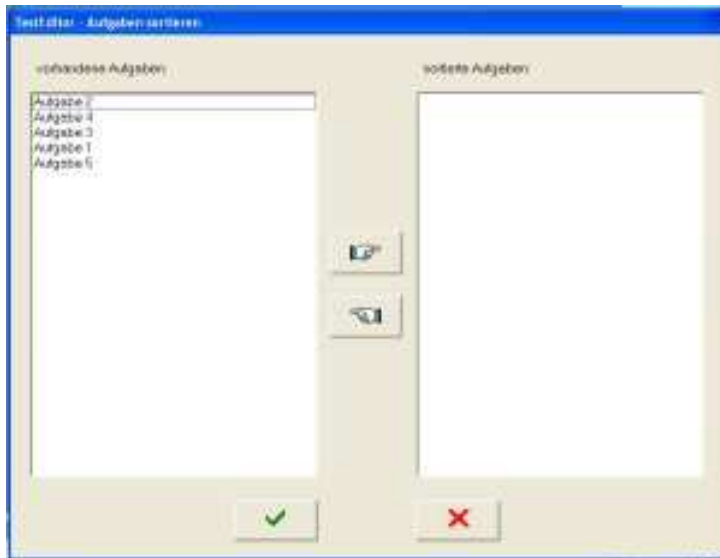You cant edit the class and the subject of the test.

You can add and delete question of the test here as well as sort them.

Create here questions for your test.
Select the type of the question, enter the question and possbile anwsers.
Then enter the points for this quetsion.

The following types exist:

- Multiple Choice simple: Here you can enter 3 to 5 possible answers,
  but only 1 is the correct answer (select the option button).

- Multiple Choice: Like above, but several answers can be correct.
  (Check the boxes beside the correct ones).

- Yes/No: You are only asked if the question is true (yes) or false (no).
  The answer possibilites are preset and not editable.
  Just select the correct answer.

- Input: Enter the correct answer in the text field.
  The user has to enter the same text in the test to score this question.

Sort Questions

By default questions are shown in the Editor as well in the test in that order they are created.
Here you can alter this order, by moving questions from the left list to the right list and vice versa.
The right list will be considered the sorted one and be saved.

Delete Test

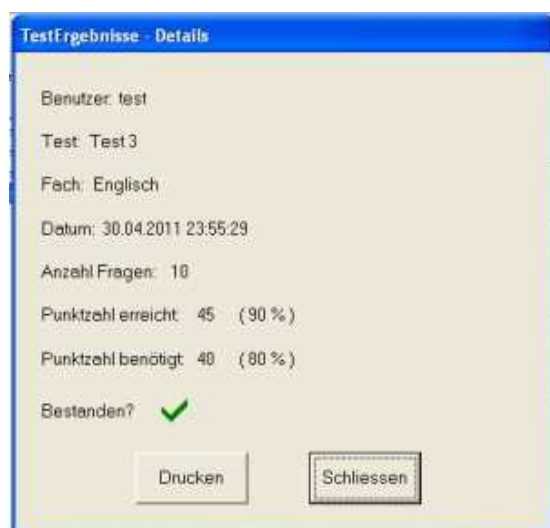Tests no longer needed can be deleted.
Note, if you delete a test, all questions assigned to the test and all results
will be deleted too.

Results

This menue is only available if the test allows to be taken online or an user just
finished a test.

As "Student" you will be shown only your own test results, other roles will see all
results of this test and may delete results.
Select an entry and click on "Details" to view it.

You will be shown the following:

- the user who has taken the test
- the test taken with subject and date
- number of questions in the test
- points scored and points needed (as well their % value)
- if the test has been passed or not

Note: If the points scored is >= the needed points, but the test is marked
"not passed", then the timelimit ran out and the checkbox to mark it as
"not passed" has been set.

If the points scored as well as the needed points are "0" then the user
canceld this test (see logfile for it).

You can delete results to give an user the chance to retake the test,
if his limit of tries has been reached.

Test-Simulation

Click on "run as Student", to start the selected test as if you were logged in as student user.
You may test the settings here, like the timelimit or what happens if it runs out as well as your questions and answer possibilities.
Any limit of tries or delay between tests will be ignored.

Unlike student users you will not get any result of the test, no whether if you finish or cancel it, you will just return to the TestEditor.
For running the test see next chapter.

Note: This function is not available if the test doesnt allow to be taken online or
        if the test doesnt contain any question.

3.2 Run Test

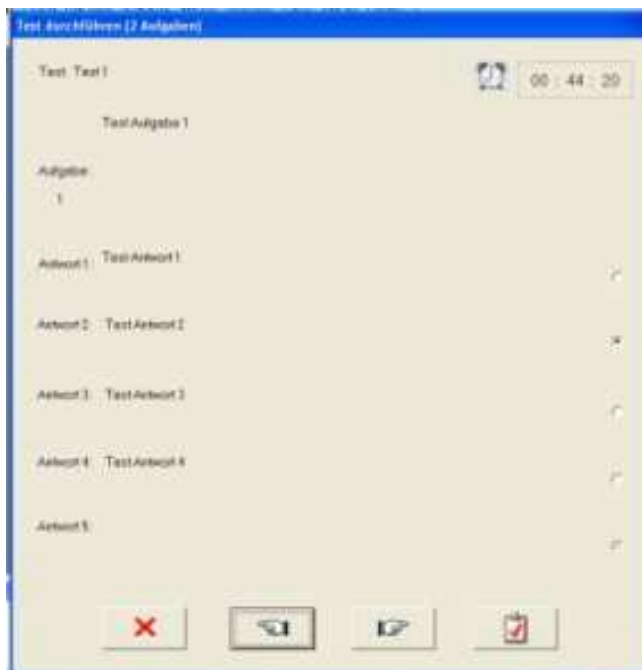Only "Student" users can access this menu.

You can start tests or view results.
Only tests created for the class of the current user will be shown,
sorted after subjects.

Select a test and click on "view results" to see them (s. chapter Results).

Click "Start" to start the test.
If theres any limit or delay of the test you will receive a message.

On the top you will see the test to be taken, on the right the timelimit (if any),
then the number of the current question as well as the question.
According to the type of the question you will see up to 5 possible answers.
You may choose one or more answers to be correct or have to type in the answer.
The buttons on the bottom are for canceling the test (the red X) which will mark
the test as "not passed", going to the previous and next question (the "hands")
and to end the test (if all questions have been answered, the clipboard).

If you end the test it will be scored and you will be shown the result afterwards.
(s. chapter Results).

Note: If there is less then 5 minutes left, the time display will turn red.
      Even if you cancel a test, it is considered "be taken" (but "not passed"),
      so you may not retake it (depending on the settings).