

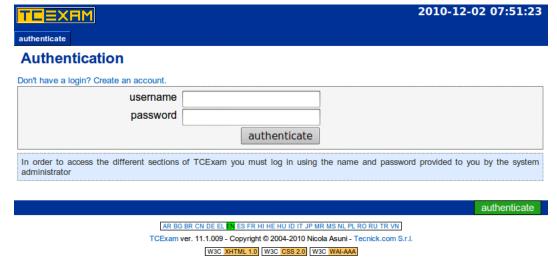
# **Guide to First Test**



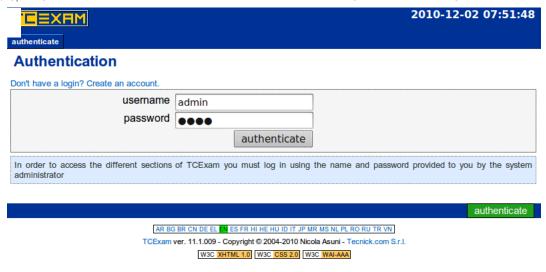
**i** 01 Jan 2005

This is a step-by-spep guide to create your first test with TCExam.

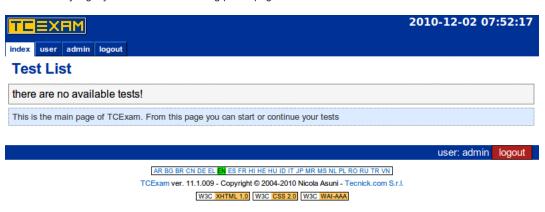
Point your browser to the TCExam server and select your favourite language from the language selector.



Insert the administration username (admin) and password (1234) and click the authenticate button to login.



On sucessfully login you will see the following public page.



Click on the "admin" menu item to go on the administration area.



#### **TCExam**

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This is the administration area of TCExam, is a platform and language independent user-friendly software to create, manage and perform online tests.

From the menu you can access the different sections of the system:

#### users

This sections contains the forms for insert and manage users, to select them and to show the list of the ones currently online.

Only the registered users granted a username and a password are entitled to access the public area of the system and perform the tests.

It is possible to specify different access levels for both the users and the different components and parts of the system (pages, forms, sections).

TCExam also uses another security system to prevent unauthorized access based on checking the IP addresses.

#### modules

This section contains the forms to insert and modify test modules, topics, the related questions and answers.

You can select an unlimited number of topics that can be used together for a specific test, and for each topic you can define an unlimited number of questions and possible answers. Depending on the settings of the Random question and Random answer tick boxes, the system can randomly select questions and answers among the available ones.

TCExam supports both multiple-answer questions and free-answer questions. The latter will be evaluated through a specific evaluation form, while the former will be automatically evaluated. All the descriptions of tests, topics, questions and answers support a particular proprietary code (tcecode) that, by using a specific form, allows the use of images and text formatting.

#### • test

This section includes a form to insert, generate and modify the different tests, a form to evaluate the free answers and forms to show or generate PDF versions of the results, a detailed view of the users' tests and the statistics of questions and answers used.

TCExam can be instructed to select, on a random basis, the various questions and related available answers, so that all tests for the different users will be different from each other.

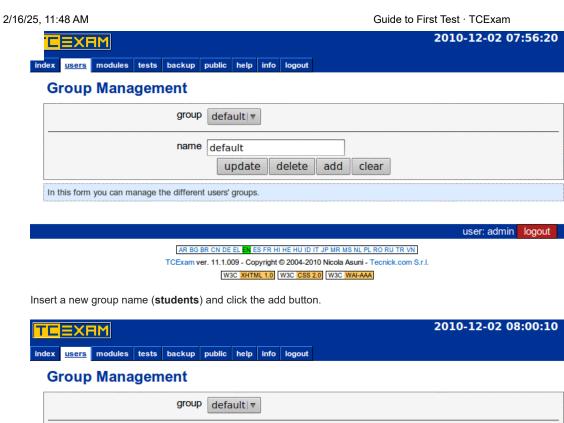
It is also possible to generate an arbitrary number of tests in PDF format so that they can be printed and used for a conventional exam.



Select the "users - groups" menu item to edit user groups.



We want to create a new group.

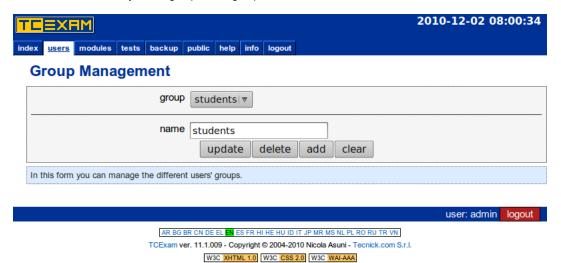




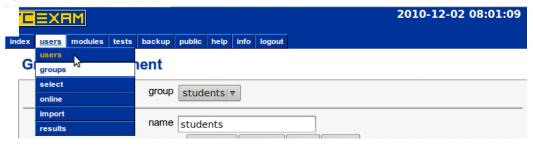
AR BG BR CN DE EL EN ES FR HI HE HU ID IT JP MR MS NL PL RO RU TR VN TCExam ver. 11.1.009 - Copyright @ 2004-2010 Nicola Asuni - Tecnick.com S.r.l. W3C XHTML 1.0 W3C CSS 2.0 W3C WAI-AAA

user: admin logout

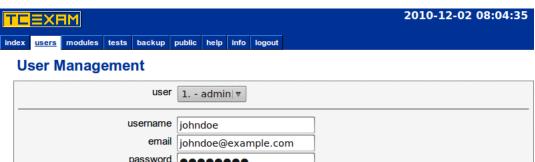
You should see the newly added group on the group selector.



Select "users - users" menu item to edit users



Fill the form with a new user data (username = johndoe, password = 12345678), set the level to 1, select the "students" group and click the add button.



password •••••• password ..... registration date 2001-01-01 01:01:01 127.0.0.0 level 1 | 7 registration number AB1234 name John surname Doe date of birth | 1981-02-03 place of birth New York social security number CD0987654321 groups \* default \* students update add clear

In this form you can manage the different users allowed to access the system. For each user you can choose a name, a password and an access level. Level 0 indicates an anonymous user (not registered), level 1 a basic user (e.g.: a student), level 10 an administrator with full access rights

User: admin logout

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You should see the newly added user on the user selector. Be sure that the "students" group is selected (gray background with an asterisk).



# **User Management**



In this form you can manage the different users allowed to access the system. For each user you can choose a name, a password and an access level. Level 0 indicates an anonymous user (not registered), level 1 a basic user (e.g.: a student), level 10 an administrator with full access rights

User: admin logout

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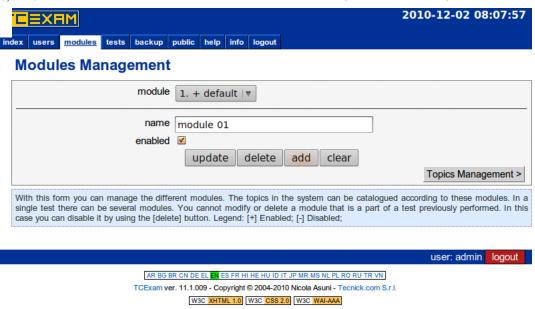
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Select the "modules - modules" menu item to edit question modules.

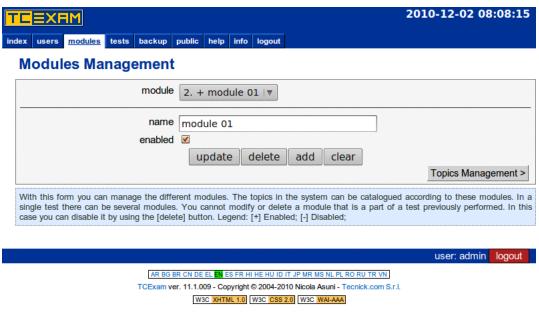


Insert a new module name 'module 01' and click the add button.



You should see the newly added module on the module selector.

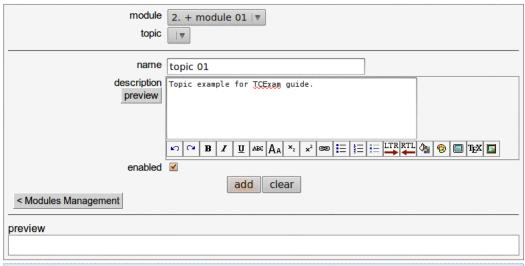
Click on the Topics Management button to edit question topics.



Insert a new topic name 'topic 01', fill the description field and click the add button.



# **Topics Management**



With this form you can manage the different topics that belong to a selected module. The questions in the system can be cataloged according to these topics. In a single test there can be several topics. You cannot modify or delete a topic that is a part of a test previously performed. In this case you can disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled;

user: admin logout

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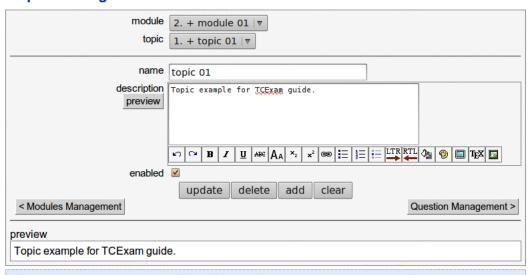
[W3C XHTML 1.0] [W3C CSS 2.0] [W3C WAI-AAA]

You should see the newly added topic on the topic selector.

Click on the Question Management button to edit questions.



### **Topics Management**



With this form you can manage the different topics that belong to a selected module. The questions in the system can be cataloged according to these topics. In a single test there can be several topics. You cannot modify or delete a topic that is a part of a test previously performed. In this case you can disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled;

user: admin logout

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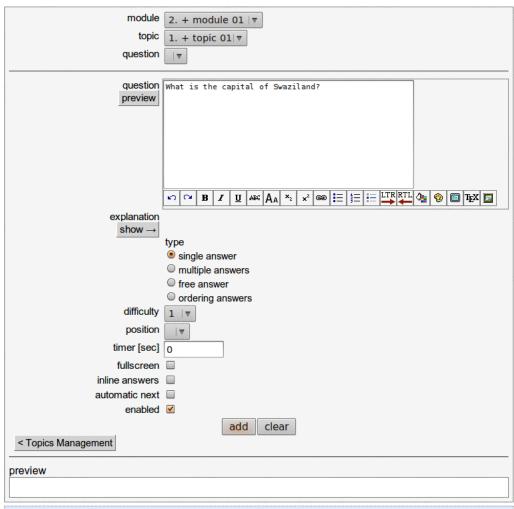
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[W3C XHTML 1.0] [W3C CSS 2.0] [W3C WAI-AAA]

ert the question 'What is the capital of Swaziland?', select 'single answer' type and click the add button.



#### **Question Management**



With this form you can manage the different questions related to the topic selected. You cannot modify or delete a question that is part of a test already performed. In this case you can disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled; [S] MCSA - Multiple Choice Single Answer question; [M] MCMA - Multiple Choice Multiple Answer question; [T] TEXT - Free answer; [O] ORDER - Ordering Answers.

User: admin logout

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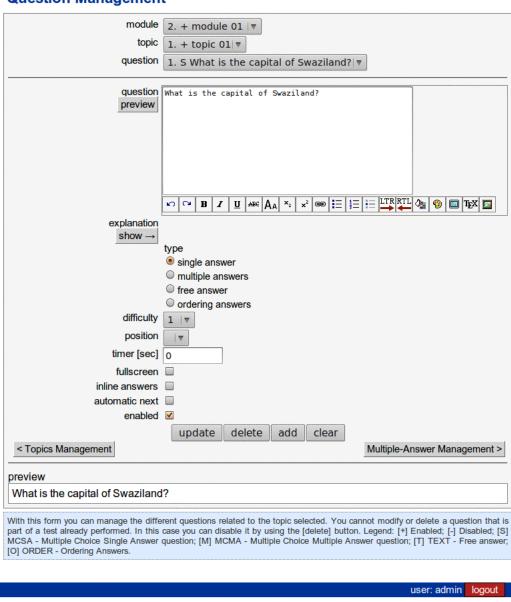
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You should see the newly added question on the question selector.

Click on the Multiple-Answer Management button to edit the alternative answers for this question.



# **Question Management**



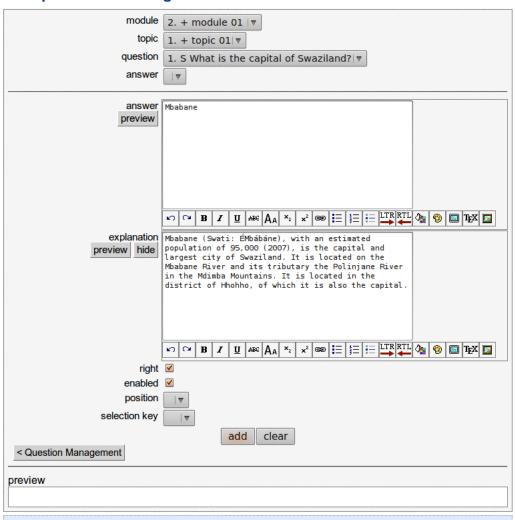
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Insert the correct answer 'Mbabane' and explanation (optional), select the 'right' and 'enabled' options, and click the add button.





With this form you can manage all possible answers related to the question selected. You can add an arbitrary number of correct and wrong answers for each question; during the test the system will automatically select only one of the correct answers and will show it in the list of possible answers. You cannot modify or delete an answer that is part of a test already performed, in this case you can just disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled. Legend for questions: [S] MCSA - Multiple Choice Single Answer question; [M] MCMA - Multiple Choice Multiple Answer question; [T] TEXT - Free Fnswer; [O] ORDER - Ordering Answer. Legend for answers: [T] true answer; [F] false anwser.

user: admin logout

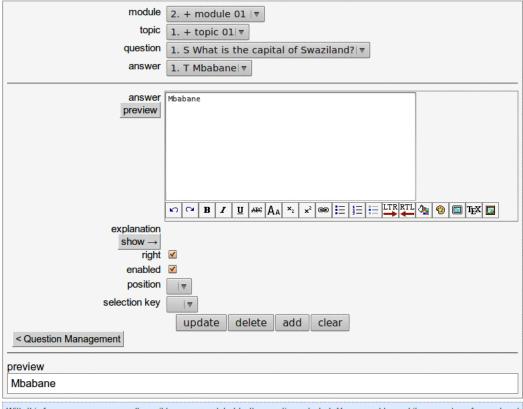
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You should see the newly added answer on the answer selector.





With this form you can manage all possible answers related to the question selected. You can add an arbitrary number of correct and wrong answers for each question; during the test the system will automatically select only one of the correct answers and will show it in the list of possible answers. You cannot modify or delete an answer that is part of a test already performed, in this case you can just disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled. Legend for questions: [S] MCSA - Multiple Choice Single Answer question; [M] MCMA - Multiple Choice Multiple Answer question; [T] TEXT - Free Fnswer; [O] ORDER - Ordering Answer. Legend for answers: [T] true answer; [F] false anwser.

User: admin logout

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Repeat the above process at least 3 times to add other alternative answers. Remove the explanation, change the answer and deselect the 'right' option to indicate a false answers. Click the add button to add this new answer.





With this form you can manage all possible answers related to the question selected. You can add an arbitrary number of correct and wrong answers for each question; during the test the system will automatically select only one of the correct answers and will show it in the list of possible answers. You cannot modify or delete an answer that is part of a test already performed, in this case you can just disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled. Legend for questions: [S] MCSA - Multiple Choice Single Answer question; [M] MCMA - Multiple Choice Multiple Answer question; [T] TEXT - Free Fnswer; [O] ORDER - Ordering Answer. Legend for answers: [T] true answer; [F] false anwser.

user: admin logout

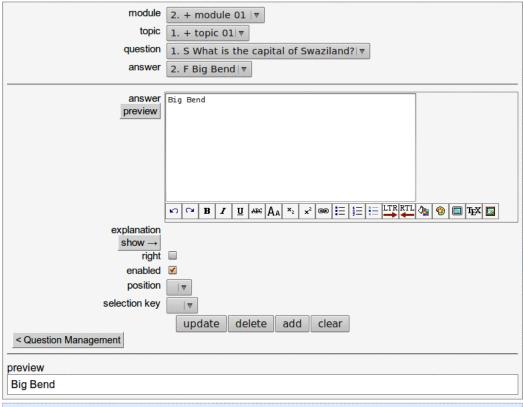
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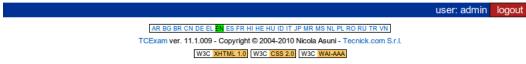
[W3C XHTML 1.0] W3C CSS 2.0] W3C WAI-AAA

You should see the newly added answer on the answer selector.





With this form you can manage all possible answers related to the question selected. You can add an arbitrary number of correct and wrong answers for each question; during the test the system will automatically select only one of the correct answers and will show it in the list of possible answers. You cannot modify or delete an answer that is part of a test already performed, in this case you can just disable it by using the [delete] button. Legend: [+] Enabled; [-] Disabled. Legend for questions: [S] MCSA - Multiple Choice Single Answer question; [M] MCMA - Multiple Choice Multiple Answer question; [T] TEXT - Free Fnswer; [O] ORDER - Ordering Answer. Legend for answers: [T] true answer; [F] false anwser.



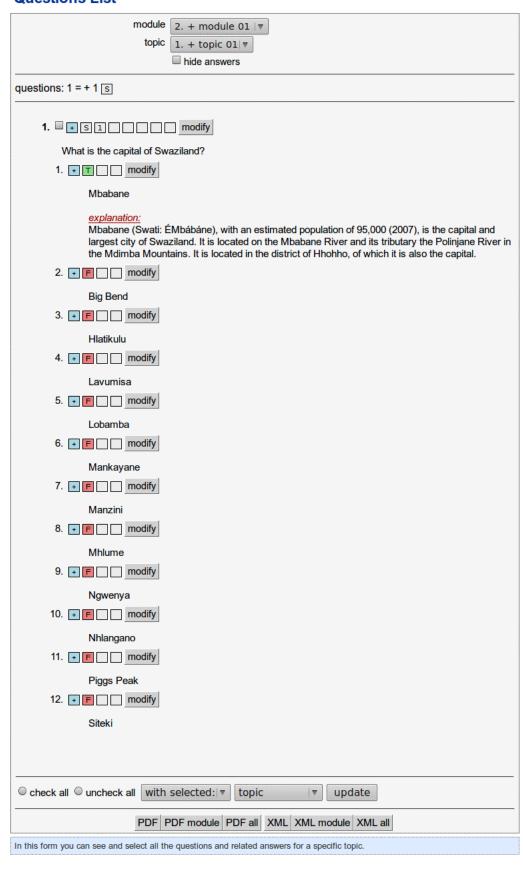
Select the "modules - list" menu item to review the questions.



On the Questions List you should have at least 1 correct answer and 3 false answers. Move your mouse over the boxes to obtain more information.



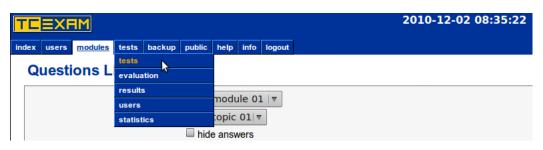
#### **Questions List**



user: admin logout

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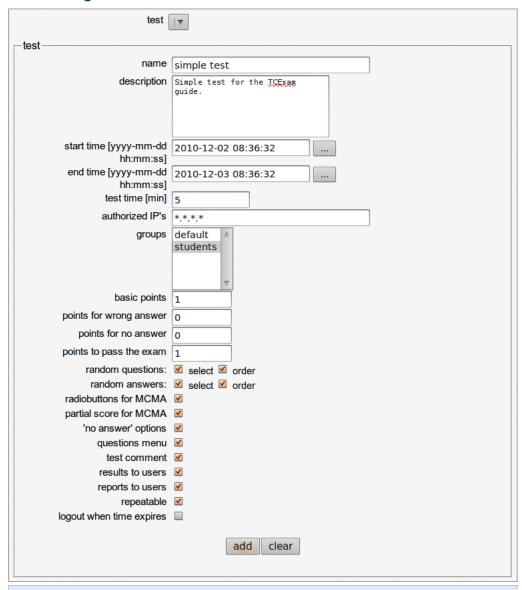
lect the "tests - tests" menu item to create a new test.



Insert new test name and description, check start/end time, select 'students' from groups, set 'points to pass the exam' to 1 and select all options except 'logout when time expires'. Click the add button to add this test.



### **Test Management**



In this form you can insert, modify or delete the tests. In order to insert a test you must have previously defined at least one topic with a number of questions and answers. Only users with sufficient rights and a valid IP address can perform the tests. The field IP may contain also a list of the different IP addresses entitled to perform the test, separated by commas. An IP address can also contain wildcards (\* = any number). The test will be active just during the specified time frame and, once started, it will have to be completed within the specified maximum time. Tests can contain several topics with different type of questions that will be randomly extracted. You can also specify a basic score for each point of difficulty level of questions. You cannot modify a test that has already performed. When a test is deleted all of its logs (test data) are also deleted. The [generate] button permits you to generate an arbitrary number of unique tests in PDF format that can be printed and performed without a computer. The letters and numbers inside the squared parenthesis on topics are quick statistics for questions: [ (number of questions)(question type S,M,T,O) (difficulty):(min answers)-(max answers)].

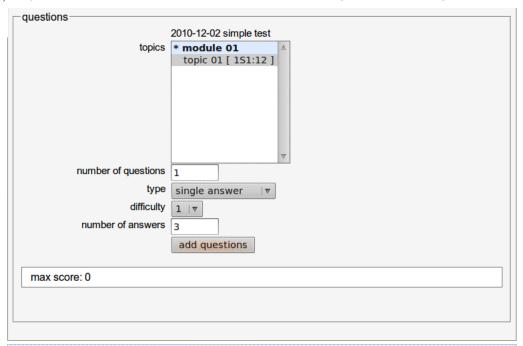
```
USER: admin logout

[AR BG BR CN DE EL EN ES FR HI HE HU ID IT JP MR MS NL PL RO RU TR VN]

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[W3C IXHTML 1.0] W3C ICSS 2.0] W3C IMALAAA
```

You should see the newly added answer on the test selector and a new 'questions' box at the end of the page. Select the 'topic 01' from topics list and click the add questions button.



In this form you can insert, modify or delete the tests. In order to insert a test you must have previously defined at least one topic with a number of questions and answers. Only users with sufficient rights and a valid IP address can perform the tests. The field IP may contain also a list of the different IP addresses entitled to perform the test, separated by commas. An IP address can also contain wildcards (\* = any number). The test will be active just during the specified time frame and, once started, it will have to be completed within the specified maximum time. Tests can contain several topics with different type of questions that will be randomly extracted. You can also specify a basic score for each point of difficulty level of questions. You cannot modify a test that has already performed. When a test is deleted all of its logs (test data) are also deleted. The [generate] button permits you to generate an arbitrary number of unique tests in PDF format that can be printed and performed without a computer. The letters and numbers inside the squared parenthesis on topics are quick statistics for questions: [ (number of questions)(question type S,M,T,O) (difficulty):(min answers)-(max answers)].

user: admin logout

[AR BG BR CN DE EL ■ SFR HI HE HU ID IT JP MR MS NL PL RO RU TR VN]

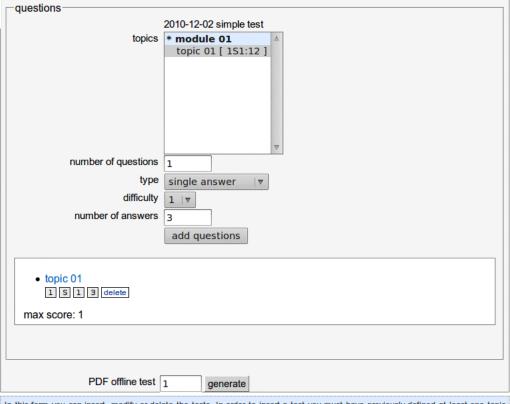
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Now you should see the inserted questions and maximum score this test.

Click the generate button to create an offline PDF version of the test.

Click the logout button to stop the administration task.



In this form you can insert, modify or delete the tests. In order to insert a test you must have previously defined at least one topic with a number of questions and answers. Only users with sufficient rights and a valid IP address can perform the tests. The field IP may contain also a list of the different IP addresses entitled to perform the test, separated by commas. An IP address can also contain wildcards (\* = any number). The test will be active just during the specified time frame and, once started, it will have to be completed within the specified maximum time. Tests can contain several topics with different type of questions that will be randomly extracted. You can also specify a basic score for each point of difficulty level of questions. You cannot modify a test that has already performed. When a test is deleted all of its logs (test data) are also deleted. The [generate] button permits you to generate an arbitrary number of unique tests in PDF format that can be printed and performed without a computer. The letters and numbers inside the squared parenthesis on topics are quick statistics for questions: [ (number of questions)(question type S,M,T,O) (difficulty):(min answers)-(max answers)].



Select the "public" menu item to go on public area.

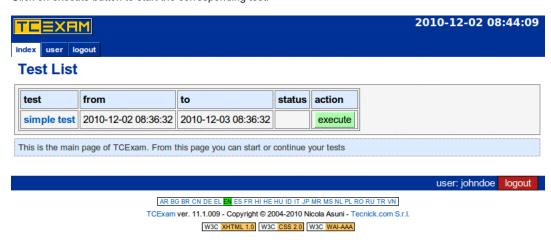


Login as John Doe (enter username = johndoe, password = 12345678 and click the authenticate button).



On sucessfully login, you should see a list of available tests.

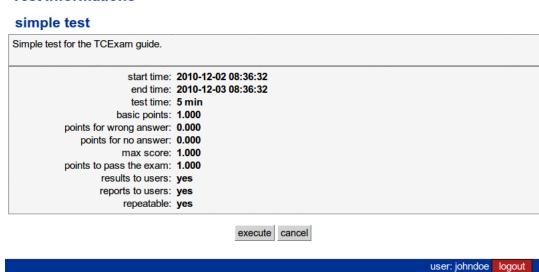
Click on execute button to start the corresponding test.



This page shows some test information, click on execute button to start the test.



#### **Test Informations**



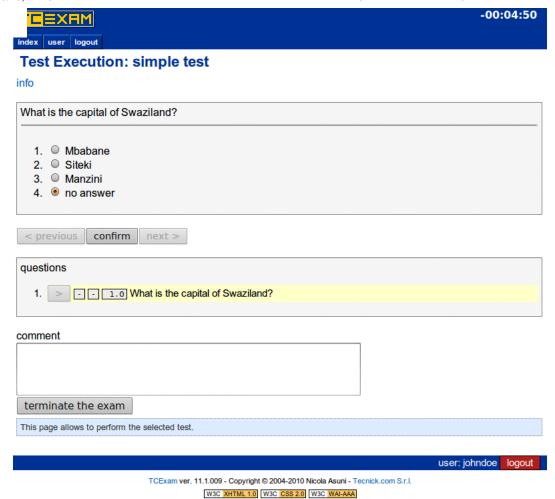
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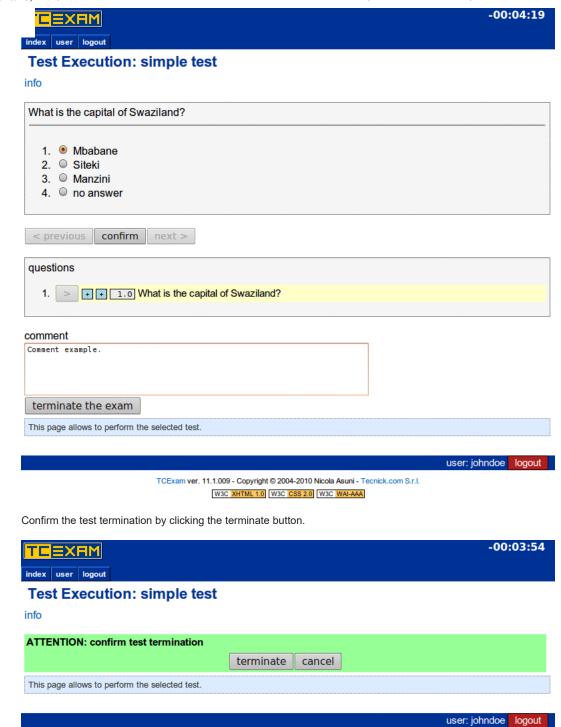
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This is the test execution page.

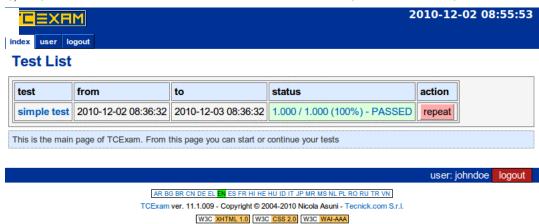


Select the right answer 'Mbabane' and click the confirm button. Leave a test comment and click the terminate the exam button to terminate the exam.



Now you should see the test result. Click the link on the 'status' column to get detailed results.

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This page contains all details about test result. Click on the PDF button to get a printable PDF copy.



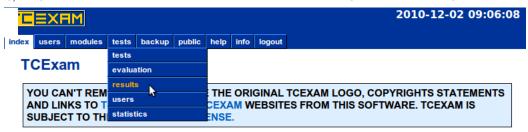
```
Test Results
                           user: Doe John - johndoe
                            test: simple test
                                 Simple test for the TCExam guide.
                       start time: 2010-12-02 08:54:27
                       end time: 2010-12-02 08:54:49
                       test time: 00:00:22
                          points: 1.000 / 1.000 (100%) - PASSED
                         correct: 1/1(100%)
                       comment: Comment example.
  1. [1.000] (IP:281472812449793 | 08:54:27 | 08:54:49 | 00:22 | 20.855)
      What is the capital of Swaziland?
        1. x Mbabane
           explanation:
           Mbabane (Swati: ÉMbábáne), with an estimated population of 95,000 (2007), is the capital and
           largest city of Swaziland. It is located on the Mbabane River and its tributary the Polinjane River in
           the Mdimba Mountains. It is located in the district of Hhohho, of which it is also the capital.
        2. Siteki
3. Manzini
 topics
   • 1 / 1 (100%) 1 / 1 (100%) module 01
         o 1 / 1 (100%) 1 / 1 (100%) topic 01
                                                    PDF
```

#### < index

This page shows the details of the test for the user selected. The data in each line are: question number. [score] (user IP | viewing time in hh:mm:ss] time of last modification in hh:mm:ss] time to answer in mm:ss) The symbol ® indicates a question correctly answered, while the answers chosen by the user are indicated by an 'x'. The [PDF] button outputs the results in a PDF document.

```
user: johndoe logout
  AR BG BR CN DE EL EN ES FR HI HE HU ID IT JP MR MS NL PL RO RU TR VN
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              W3C XHTML 1.0 W3C CSS 2.0 W3C WAI-AAA
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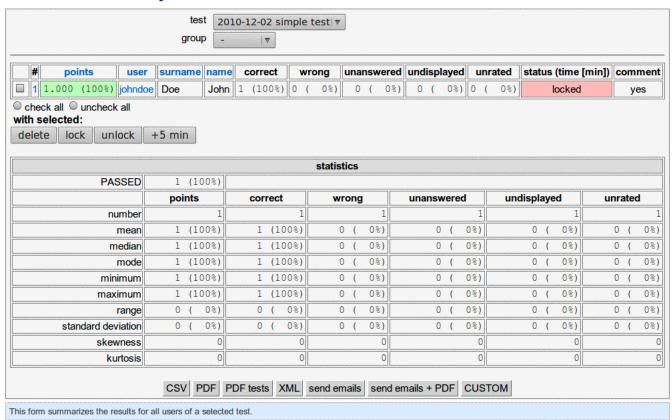
Click the logout button and repeat the first steps to login on the administration area. Select the "tests - results" menu item to view and manage test results.



You can use the buttons in this form to export data in various formats and send results via email.



### **Test Results Summary**



User: admin logout

[AR BG BR CN DE EL ■ ES FR HI HE HU ID IT JP MR MS NL PL RO RU TR VN]

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[W3C XHTML 1.0] [W3C CSS 2.0] [W3C WAI-AAA]

This form can be used also during test execution to delete, lock, unlock and extend the selected user's test.

Installation
Answers Probability

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