## Usability

# ExamIT

### **AUTOMATIC TEST CORRECTION PLATFORM**

4th year, Software Development project Institute Of Technology Carlow

Institiúid Teicneolaíochta Cheatharlach



At the heart of South Leinster

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### Usage Guide

To access the system, open up a browser of your choice and type in the following address:

#### http://127.0.0.1:5050 or http://localhost:5050

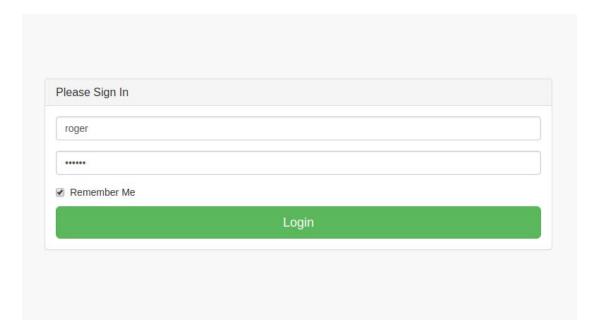
Then you will be able to access the system.

To login, use the testing credentials (login: mary, password: jane), or ask your administrator to create an account for you.

You are now ready to use the system.

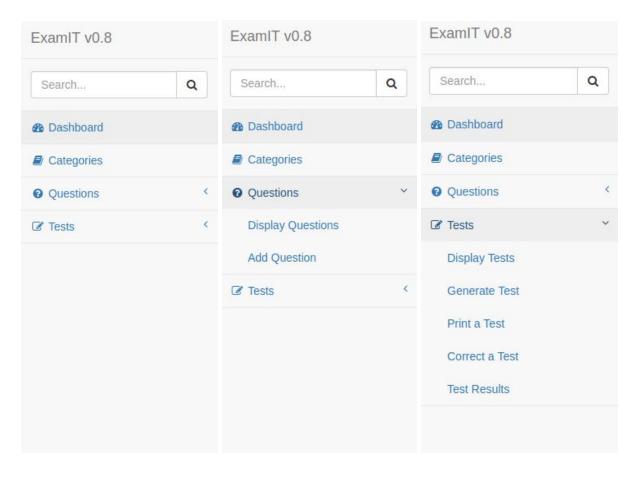
### Login Screen

Type your credential in the login screen to access the system.



### Menu

You can access all the functionality through the menu available in the sidebar at all times.



Everything nested | Questions exposed | Tests Exposed

### Categories

Categories are used to categorise questions and tests, you can create and view them easily here.

### Categories

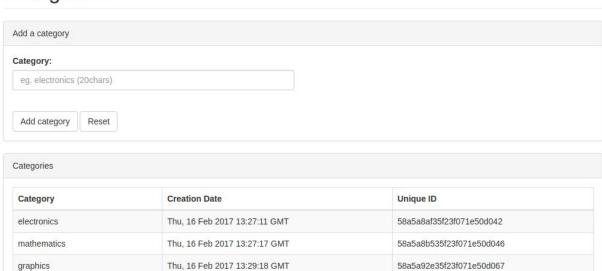
web development

datastructures

networking

programming

logic



58a5a93f35f23f071e50d06f

58a5aa2f35f23f071e50d0aa

58a5ab3135f23f071e50d0e2

58a5ab6b35f23f071e50d0f5

58a5ab9735f23f071e50d101

Thu, 16 Feb 2017 13:29:42 GMT

Thu, 16 Feb 2017 13:33:35 GMT

Thu, 16 Feb 2017 13:38:11 GMT

Thu, 16 Feb 2017 13:38:51 GMT

Thu, 16 Feb 2017 13:39:43 GMT

### **Display Questions**

Here you can view all the questions currently stored in the system.

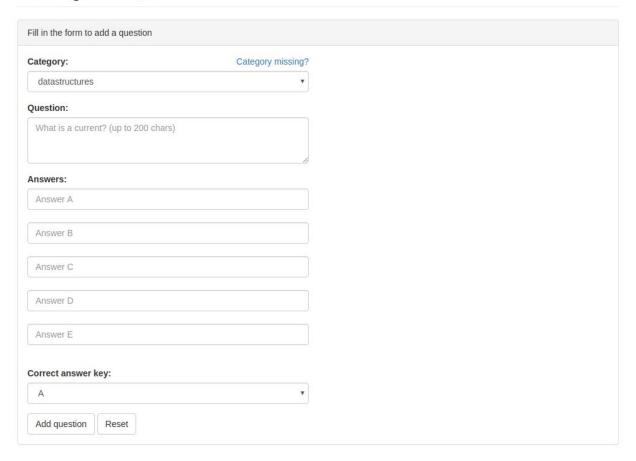
### Questions

Question	Category	Key	Creation Date	Unique ID
question1?	electronics	A	Thu, 16 Feb 2017 14:06:41 GMT	58a5b1f135f23f071e50d27c
The schmitt trigger may be used to?	electronics	С	Thu, 16 Feb 2017 14:49:33 GMT	58a5bbfd35f23f071e50d4bd
Which of the following is minimum error code?	electronics	В	Thu, 16 Feb 2017 14:53:34 GMT	58a5bcee35f23f071e50d4f8
A simple flip-flop	electronics	В	Thu, 16 Feb 2017 14:57:16 GMT	58a5bdcc35f23f071e50d534
Radix of binary number system is?	electronics	С	Thu, 16 Feb 2017 14:58:11 GMT	58a5be0335f23f071e50d542
Which of the following expressions is in the sum-of- products (SOP) form?	electronics	Α	Thu, 16 Feb 2017 14:59:25 GMT	58a5be4d35f23f071e50d554
The systematic reduction of logic circuits is accomplished by:	electronics	В	Thu, 16 Feb 2017 15:00:48 GMT	58a5bea035f23f071e50d567

### Add Question

Here you can add a question to the system, to do so simply fill in all the fields and click 'Add Question'

### Add Question



### **Display Tests**

Here you can view all the tests available in the system.

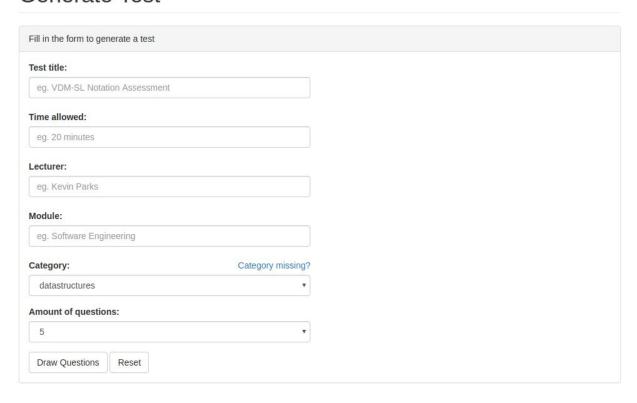
### **Tests**

Test	Lecturer	Time Allowed	Module	Questions	Category	Creation Date	Unique ID
Web Dev Quiz - Feb 19	Roger Tester	10 minutes	Web Development	5	web development	Sun, 19 Feb 2017 18:28:02 GMT	58a9e3c5480879efef699939
Spring Electronics Assessment	Frank Shocke	25 minutes	Advanced Electronics	5	electronics	Sun, 19 Feb 2017 19:01:48 GMT	58a9eb39480879efef699ac3
Electronics Basics Assessment	John Marks	25 minutes	Advanced Electronics	5	electronics	Thu, 23 Feb 2017 10:27:49 GMT	58aeb93df2afa3ae1495df4b
democat test	Demo Lecturer	5 mins	Demo Module	5	demo category	Sat, 25 Mar 2017 17:18:42 GMT	58d6a689939af12074f6c434
Electronics Christmas Assessment	Roger Spark	15 minutes	Applied Electronics	15	electronics	Sat, 01 Apr 2017 16:11:14 GMT	58dfc37dfdb041e8360dda61

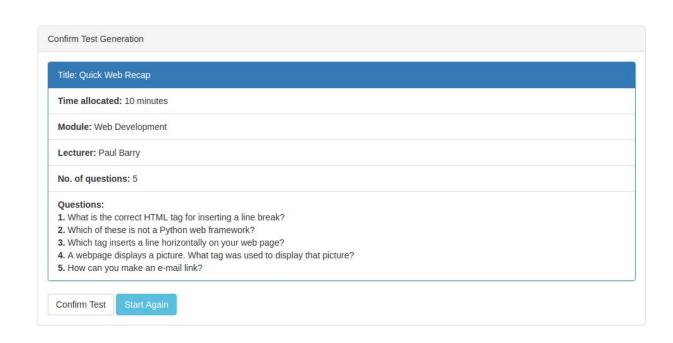
### **Generate Test**

Here you can generate a test, to do so simply fill in all the fields in the form and click 'Draw Questions'. You can create tests of 5, 10 or 15 questions in the current version of the system.

### **Generate Test**



You will be presented with a confirmation window, click 'Confirm Test' if you think the test is the way you want it, you can also roll different questions.



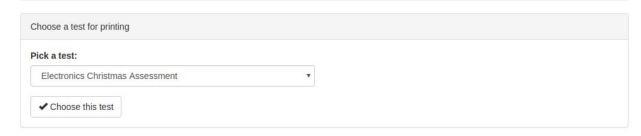
If you confirm, you will be presented with a success alert and options to continue.



### **Print Test**

Here, you can print a test to hand out to your students. To do so, select a test from the available select field and click 'Choose this test'.

### **Print Test**



Your printed test should look like this:

(Answer book part of the test)

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#### C001

#### **ANSWERBOOK**

Title: Electronics Basics

STUDENT NUMBER

	Time: 20 minutes Lecturer: John Marks Module: Advanced Electronics Questions: 15
1	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
2	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
3	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
4	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
5	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
6	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
7	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
8	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
9	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
10	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
11	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
12	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
13	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
14	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$
15	$A \bigcirc B \bigcirc C \bigcirc D \bigcirc E \bigcirc$

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#### C001

#### STUDENT NUMBER

#### **ANSWERBOOK**

Title: Electronics Basics Time: 20 minutes Lecturer: John Marks Module: Advanced Electronics Questions: 15 3 9

(Question sheet part of the test)

#### ExamIT - IT Carlow

#### QUESTION SHEET

- Which tag inserts a line horizontally on your web page?
   a. <hr>
   b. line>
   c. direction="horizontal">
   d. 
   d.
- 2. <b> tag makes the enclosed text bold. What is other tag to make text bold?
  - a. <strong>
  - b. <dar>
  - c. <black>
  - d. <emp>
  - e. <color>
- 3. How can you make an e-mail link?
  - a. <a href="xxx@yyy">
  - b. <mail href="xxx@yyy">
  - c. <mail>xxx@yyy</mail>
  - d. <a href="mailto:xxx@yyy">
  - e. <email:xxx@yyy>
- 4. How can you make a numbered list?
  - a. <dl>
  - b. <0b
  - c. <list>
  - d.
  - e. <br>
- 5. A webpage displays a picture. What tag was used to display that picture?
  - a. picture
  - b. image
  - c. img
  - d. src
  - e. br

#### Test completion guidelines

- 1. Only use pen inside the answer circles and for student no.
- 2. Try not to go outside the circles when marking them
- 3. Try to mark only one circle in each row
- 4. The circle filled in more, will be considered your answer
- 5. Only return the answerbook

#### **Correct Test**

Here you can correct test filled in by your students. To do so, select the test you want to correct, so that the correct answer key is used and browse for the PDF file with the test. Click 'Upload for Correction'.

### **Correct Test**



After a test is corrected you will be presented with a success alert, you can quickly correct more exams.



#### **Test Results**

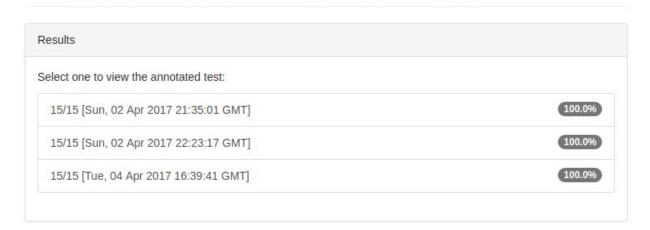
Here you can view the corrected exams. Simply select an exam from the list.

### Corrected Assessments



Here you will be able to see the results for the specified test. If the algorithm fails to correct the test or detect it, it will display 'VOID' in the grey ellipse badge, otherwise it will display the percentage result.

### Results: Electronics Christmas Assessment



If you click one of the results here, you will be able to see the annotated scan of the test showing which answers were selected by the algorithm as the correct ones, you can manually decide to change the grade here.

Annotated test result, available after clicking one of the results.

# **ANSWERBOOK** STUDENT NUMBER **Title: Electronics Basics** Time: 20 minutes Lecturer: John Marks Module: Advanced Electronics Questions: 15 1 2 3 5 6 8

Note that where the student marked two answers on the same line, the algorithm did not fail. Instead, it selected the one marked in more as the correct answer.

The algorithm is also successful when the user goes over the circle borders.