# ExamIO

Design, correct and analyze your tests

# User manual

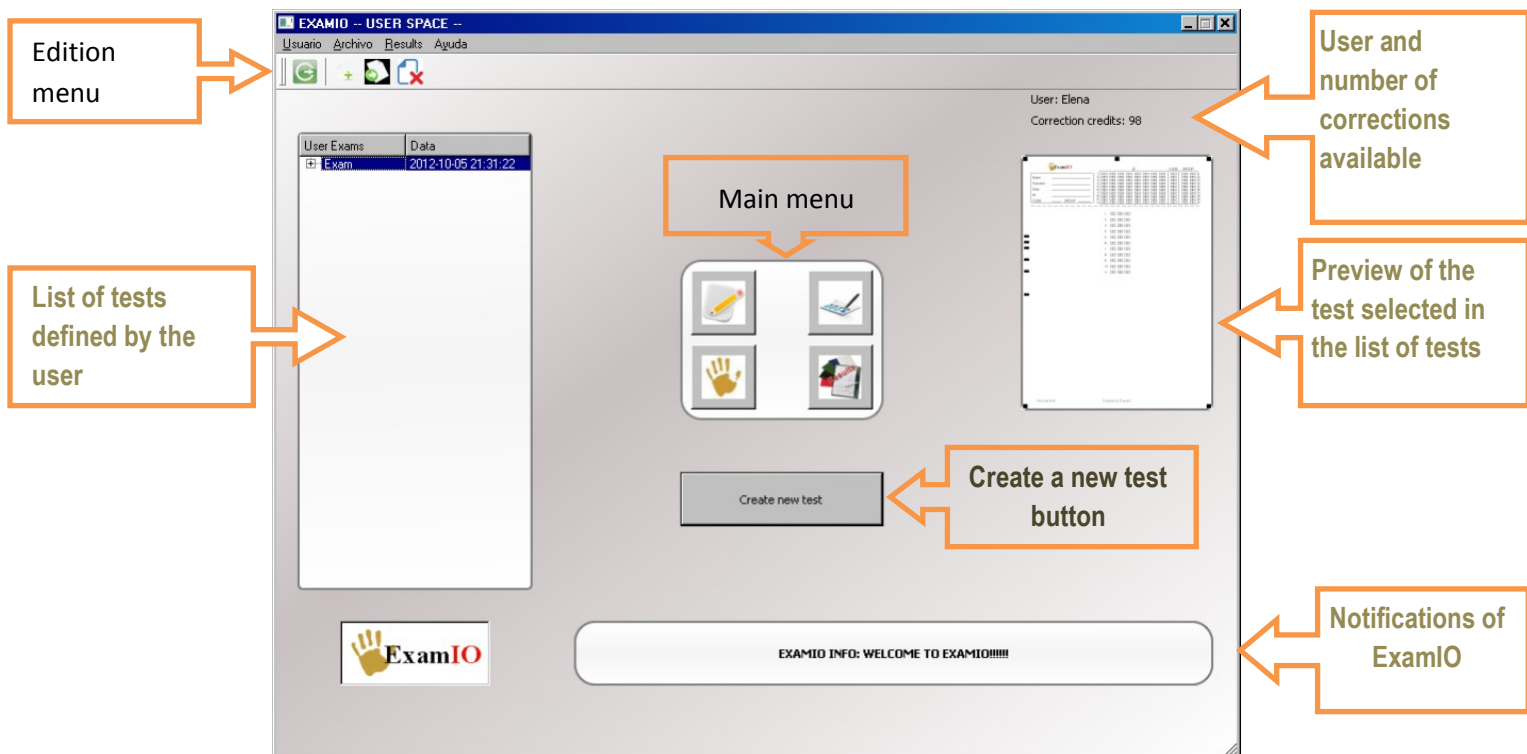# Content

# User Manual

This is the user manual **ExamIO**.

Following this guide, you will get a general knowledge of the program **ExamIO** to create, edit and analyze tests. We recommend that you do a detailed reading of it in order to get maximum performance from each and every one of its features. The following will list and explain each of the sections that make up **ExamIO**.

## 1.    Main window



Edition menu

User and number of corrections available

List of tests defined by the user

Main menu

Preview of the test selected in the list of tests

Create a new test button

Notifications of ExamIO

## 1.1    Edition Menu

In the edit menu we can see three icons. The first icon is a direct link to the creation of a new test, the second gives us the option to export the test created to image (jpg or bmp) in order to be printed, and the third icon is used to remove the test selected.
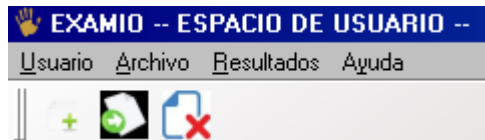


## 1.2    User and number of correction credits available

This section of the main screen shows the user name and also the number of credits available for correction. A measure that credits go correcting correction tests decrease. Buying the software ExamIO you will be able to use the software without limitations.



## 1.3    Preview of the selected test

We can see the image of the test that we select from the list of tests. If you want to see the enlarged image just have to click upon it.
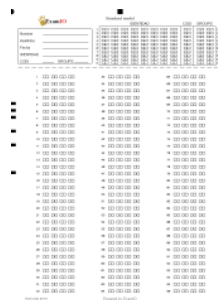
## 1.4    ExamIO notifications and messages

Whenever there is a notification or notice from ExamIO this will be displayed in this part of the main window. Notifications will be sent to advise of a new version of the program or news about ExamIO 's versions.

EXAMIO INFO: WELCOME TO EXAMIO!

## 1.5    Create new test button

If you want to create a new test, you should click on this button. The button to create a new test will give us to choose between two test options: The standard model and the model statement.

Create new test

## 1.6    List of tests created by the user

All the tests created by the user are showed in this part of the screen. We recommend using a sign name to the test in order to make easy your search. The program itself will keep the test sorted by the date and time of creation.
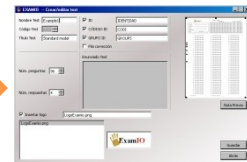
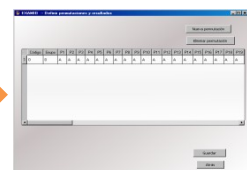| Tests de Usuario | Fecha |
|------------------|-------|
| ⊞ Example1 | 2012-11-17 14:40:23 |
| ⊞ Example2 | 2012-11-17 14:37:36 |
| ⊞ Example3 | 2012-11-17 14:37:48 |

## 2. Main Menu

Below are the different elements that appear in the Main Menu.
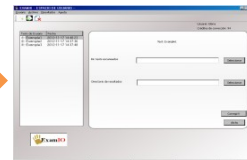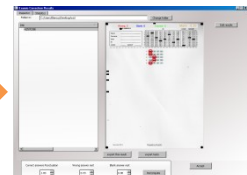
Test edition.

Define test solutions.

Correct scanned tests.

Inspector and analysis of results.

## 2.1    Test creation and edition form

This screen appears when we want to create a new test or to edit an already created test. There are two types of model creation and editing of test: the standard model and the model statement. You can choose the one that suits your interest.

### 2.1.1  Standard Model

**3. You can include in the test the identification number, code and group.**

**Write the name, code and title of the test.**

**Select the number of questions and answers**

**You can insert a logo in the header of the test. Just click on the right button of the mouse to add and delete, and select the logo.**

**Preview of the defined test**

**Do not forget to save the test before leaving the form.**

EXAMIO  -- Crear/editar test

Nombre Test  Didáctica
Código Test  1114
Título Test  Métodos educativos

☑ ID  ID
☑ CÓDIGO ID  CÓDIGO
☑ GRUPO ID  GRUPO
☑ Fila corrección  **1**

Enunciado Test  **2**

Núm. preguntas  20
Núm. respuestas  3

☑ Insertar logo  LogoExamio.png
LogoExamio.png

ExamIO

Vista Previa

Guardar
Atrás

**1 Selecting "correction line", inserts a row of additional boxes below each row of questions that will be useful to the person being evaluated to correct fields marked in error without deleting the mark.**

**Example**



Annulled answer

Valid answer: C
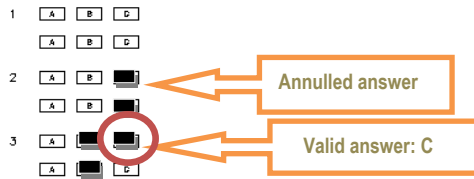
2    You can write a short statement explaining what the test is, provided they do not select the ID option in the test. If you use the identifier ID, there is no place to insert the text statement.

3    You can set the text that will appear in each of the fields of identification (ID), Group and Code

## 2.1.2  Statement Model

Select the number of questions, subjects and boxes for the answers

You can write a short text to explain the test, provided you do not use the ID option.

Use these fields to evaluate several fields or subjects.



Questions to ask

Do not forget to save the test before leaving the form.

## 2.2 Screen to define the solutions for each code-group permutation

This screen is used to define the solutions of the test for each code-group permutation. It can be used for the standard model as well as for the statement model.



**Insert the code and group of the permutations**

**You can add as many code-group permutations as you need**

**Write the answers for each one of the questions (A.B, C, D, E…)**

**Do not forget to sabe the results**

## 2.3 Form to Correct the tests

This form is used to correct the filled in and scanned tests.

Before using this option, you must first create two folders or directories on your computer. In one folder the scanned filled in tests will be saved (in jpg or bmp format), the other folder will be empty and used to save the test corrections.

Once you have created two folders, you need to select the test to correct in the user's tests list. The test selected must match the scanned test in order to allow the correction.

After selecting the test, you need to select the scanned tests folder and the output empty folder.

To finish, simply click the correct button.

**1. The test that you want to correct is selected.**

**2. Select the folder where the filled in and scanned tests are**

**3. Select the output empty folder where the correction files will be saved**

**4. Click to correct the tests**

EXAMIO -- USER SPACE --

Usuario  Archivo  Results  Ayuda

User: Elena
Correction credits: 98

| User Exams | Data |
|---|---|
| Exam | 2012-10-05 21:31:22 |

Exam to correct: Exam

Path in exams to correct                    [          ]    Browse

Path out corrected exams                    [          ]    Browse

Correct!!

Back

ExamIO

EXAMIO INFO: WELCOME TO EXAMIO!!!!!!

## 2.4  Inspector and analysis of the results

In this screen there are two sections: *Inspector* and *statistics*. In the section *inspector* you can observe the results of the tests.

The information provided in the corrected test consists of the number of failures, number of hits and number of blank responses.

Also you can choose the score you want for each question correct. If the answers are wrong or are white you can decide if they penalized the final mark. If the system have problems to identify the marked box, one warning is created and will be displayed with "?" symbol.

 If there are any errors correcting any question, identification, code or group, you have the option to edit and correct them.

## Results Inspector

Inspector tab selected

The corrector will show the wrong, blank and correct answers

List of the results for each one of the tests corrected

1. Results edition menu

If the solutions have been introduced, the corrector will show in red the wrong answers, and in red the correct answers

Click over the test to zoom in

The big ellipses show the alerts where more than one box has been filled in

Export results to. csv file which you can open with excel. Fields are separated by commas

Export the images of the tests with the correction made

1. In the edit menu of results can make three types of editing:

- **Manage Alerts:** The system detects questions that have scored more than one box. In these cases, you will see a large ellipse indicating the incidence question. Use the menu to navigate alert management for the same.

**Los tests with warnings appear in amber color**

**Enable or disable the display of alerts**

**Use the arrows to scroll through alerts**

- **Correct alerts produced in correcting tests:**



**With editing on, you can edit the questions simply clicking with the mouse on it.**

**Enable or disable editing**

**Use this form to modify the questiond, ID, Group or Code if needed**

Recalculate the numerical results:



**Editing results. Correct answers add up the value. Wrong and blank answers, subtract the value.**

**Click the "Recalculate" to apply these calculations in all tests corrected.**

## Statistics

In the statistical section you have the option to see the graphical results of the corrected test. You just have to choose the model of your choice display graphics. In addition, you can export the results to your computer and print graphics.



"Statistics" tab selected

Click image to enlarge

1. Select the type of statistics to display

Export statistics as image being displayed

Export all images of statistics

1   **This form may sever the kind of statistics you want to display:**

o   **Correction: Display statistics related to the marks obtained in the tests, according to the score selected in the inspector form.**

**All results: Displays the overall statistics of the notes of the tests.**

**Number of tests corrected**

**Graphical approved and suspended, considering the "5" as the threshold:**

**> = 5 Approved**

**<5 Suspended**

**Distribution chart of the marks obtained in the tests**

**Charts for each Code and Group permutation**

Resultados globales:   Número de tests:   2

100%

Aprobados - 0%
Suspendidos - 100%

0%

Porcentaje de tests aprobados > 5:

100%

0%  0%  0%  0%  0%  0%  0%  0%  0%

0-1 - 100%
1-2 - 0%
2-3 - 0%
3-4 - 0%
4-5 - 0%
5-6 - 0%
6-7 - 0%
7-8 - 0%
8-9 - 0%
9-10 - 0%

Nota de la permutación  con código: 0   y grupo: 0

100%

Aprobados - 0%
Suspendidos - 100%

0%

100%

0%  0%  0%  0%  0%  0%  0%  0%  0%

0-1 - 100%
1-2 - 0%
2-3 - 0%
3-4 - 0%
4-5 - 0%
5-6 - 0%
6-7 - 0%

▪   **Exchange: Graphic statistics correct answers, wrong and blank for each question in each permutation of Code and Group:**

Permutación con:     Código:  0   Grupo: 0

Número de tests: 2

**Number of  tests corrected for this permutation**

**Charts for each question**

Pregunta: 1

correctas - 100%
erróneas - 0%
en blanco - 0%

Pregunta: 2

correctas - 0%
erróneas - 100%
en blanco - 0%

Pregunta: 3

correctas - 0%
erróneas - 100%
en blanco - 0%

Pregunta: 4

correctas - 0%
erróneas - 100%
en blanco - 0%

Pregunta: 5

correctas - 0%
erróneas - 100%
en blanco - 0%

Pregunta: 6

correctas - 0%
erróneas - 100%
en blanco - 0%

- **All permutations: Same as above but graphs are obtained considering all corrected test of all the code-group permutations.**

- **Statistics: Graphs with selected cell statistics for each question.**

  - **Consider NS / NC: Selecting this option will take into account the questions left blank by the people tested.**
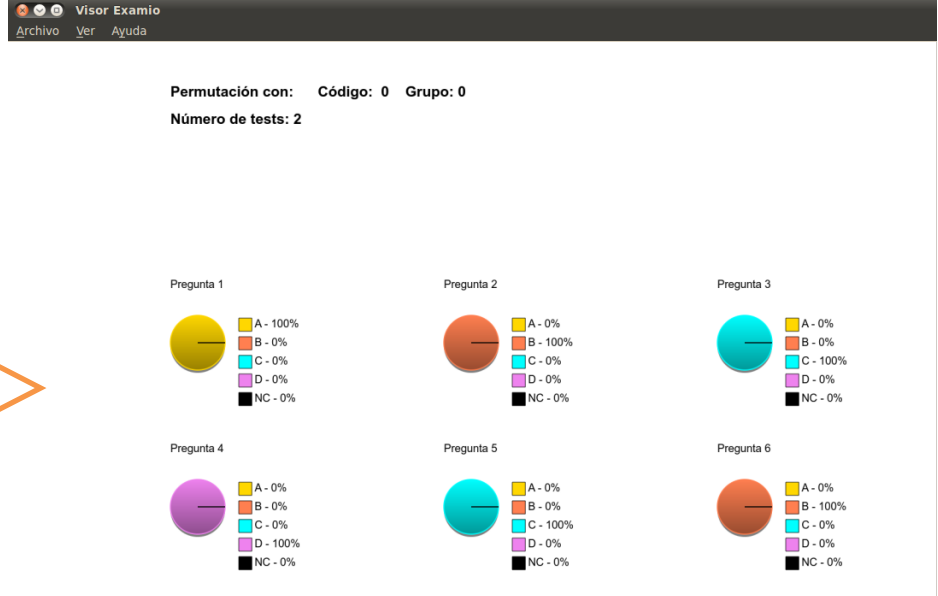
  - **Permutation: Graphic trade statistics for each code and group**

  - **All permutations: Same chart as above but taking into account all corrected tests all existing permutations.**

**Graphics regardless blank unanswered questions**

**Visor Examio**

Archivo  Ver  Ayuda

**Permutación con:     Código:  0    Grupo: 0**
**Número de tests: 2**

Pregunta 1

A - 100%
B - 0%
C - 0%
D - 0%

Pregunta 2

A - 0%
B - 100%
C - 0%
D - 0%

Pregunta 3

A - 0%
B - 0%
C - 100%
D - 0%

Pregunta 4

A - 0%
B - 0%
C - 0%
D - 100%

Pregunta 5

A - 0%
B - 0%
C - 100%
D - 0%

Pregunta 6

A - 0%
B - 100%
C - 0%
D - 0%

**Visor Examio**

Archivo  Ver  Ayuda

**Permutación con:     Código:  0    Grupo: 0**
**Número de tests: 2**
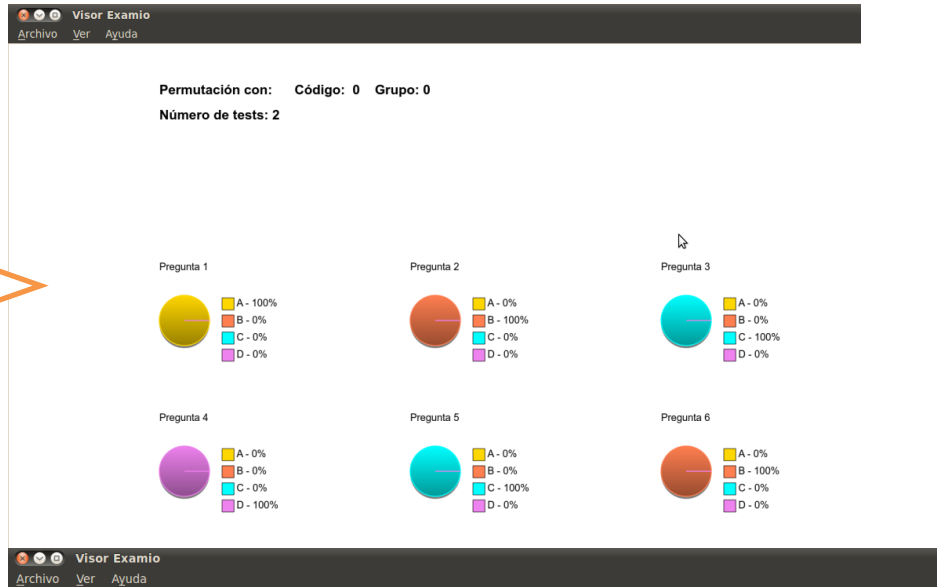
**Graphics taking into account blank unanswered questions ("NC" in black color)**

Pregunta 1

A - 100%
B - 0%
C - 0%
D - 0%
NC - 0%

Pregunta 2

A - 0%
B - 100%
C - 0%
D - 0%
NC - 0%

Pregunta 3

A - 0%
B - 0%
C - 100%
D - 0%
NC - 0%

Pregunta 4

A - 0%
B - 0%
C - 0%
D - 100%
NC - 0%

Pregunta 5

A - 0%
B - 0%
C - 100%
D - 0%
NC - 0%

Pregunta 6

A - 0%
B - 100%
C - 0%
D - 0%
NC - 0%

## 3.   Printing tests and scanning

For proper correction when you print and scan tests you will have to take into account the following aspects:

- ✓  Print the test respecting all margins and icons that are placed in the corners.
  **All cercles must appear in the corners ( ●) of the sheet!!!**
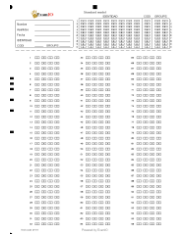


- ✓  **Scan tests already filled as an image. jpg  with an automatic scanner at a minimum resolution of 200 ppp. You have to ensure that all circular marks appear complete and intact in all the corners of the tests.**

- ✓  From ExamIO, we recommend to use scanners with automatic sheet input, so that is comfortable and fast scan all completed tests.