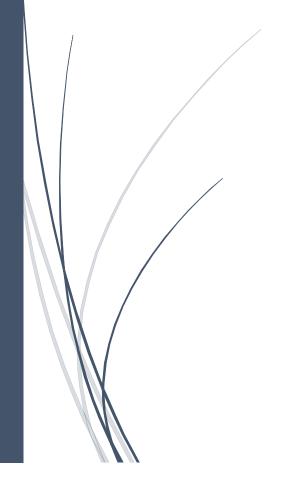
## Foreign Language Placement Exam

Clarion University of Pennsylvania



Wesley Garey, Rebecca Gardner, Blayze Stefaniak

Introduction

The Foreign Language Placement Exam was created with the purpose of placing incoming students with interest in a foreign language concentration into the course which they best fit. Testing of the website was performed by both college seniors and high school students, with a total sample size of 474 test entries. Levels 1 through 4 were directly correlated with a course in the Clarion University curriculum. Level 5 could test out of the program, but will need to have an oral examination with the chair of the English and Modern Languages Department.

The distribution of the test levels for both college and high school students are as follows:

Of the 73 college senior entries, 13% L5 (Level 5), 33% L4, 25% L3, and 27% L2, and 2% L1.

Of the 401 high school entries, 2% L5, less than 1% L4, 10% L3, 32% L2, and 55% L1.

The administrator of the FLP Exam is given various privileges to manage various aspects regarding the FLP Exam. The administrator account was created by the developers of the application. The administrator password can be changed at any time by only the administrator. The application is located at:

http://cisprod.clarion.edu/~s\_wdgarey/flpexam/public/admin/index.php?action=ControlPanel

As described on the next page, the control panel with the administrative functionality is displayed as follows:





## **Administrator Functionality**

1.	Users	Page 3
	1.1 View User	
	1.2 Add User	
	1.3 Edit User	
	1.4 Delete User	
2.	Languages	Page 5
	2.1. Add Language	
	2.2 Questions	
	2.2.1 Add Questio	ns
	2.2.2 Add Questio	n
	2.2.3 Edit Questio	n
	2.2.4 Export Ques	tions
	2.2.5 Edit Questio	ns
	2.2.6 View Questi	on and Question Statistics
	2.2.7 View Flagge	ed
	2.2.8 Export Stats	
	2.2.9 Reset Stats	
	2.3 Activating Exam	
	2.4 Feedback	
	2.5 Level Info	
	2.6 View	
	2.7 Edit Language	
3.	Exam Params	Page 11
	3.1 Key Code	
	3.2 Home Spoken Level	
	3.3 Question Count	
	3.4 Score	
4.	Experiences	Page 12
5.	Roles	Page 13
	5.1 Add Roles	
	5.2 Edit Roles	
	5.3 List of Roles	
6.	Tests	Page 15
	6.1 Searching and Sorting	Tests
	6.2 Viewing Individuals'	Tests
7.	Contacts	Page 16

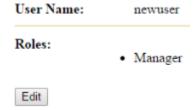
# 3

#### **Control Panel**



#### **View User**

View the user roles. To edit roles, or add new ones, reference the "Roles" section of the guide.



#### **Add User**

Type in a username for the new user, a password, and retype the same password.

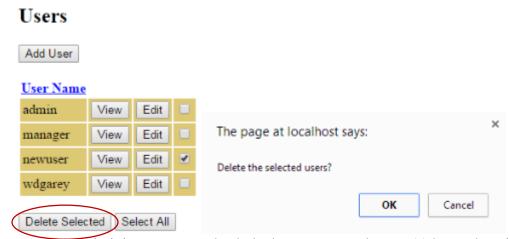
### Add User

Username*:	newuser
Password*:	
Password Retype*:	
Submit Cancel	

Modify User		Edit Use	r	
Username*:	newuser	Username*:	newuser	
Password:		Password:		
Password Retype:		Password Ro	etype:	
Is	Is Not	Is	Is Not	
	Admin Magager >>>	Manager	Admin	
Submit Cancel		Submit	Cancel	

When modifying a user, the administrator can change passwords, and determine which roles are correlated with which usernames. If neither an admin nor manager role is given to a user, they can just read and not edit anything on the website. The "Roles" section will let you add, delete, and edit roles.

#### **Delete Users**



To delete a user, the administrator must check the boxes next to the user(s) he or she wishes to delete. Next, click the "Delete Selected" button, and confirm that you wish to delete the users.

#### Languages Control Panel



#### **Questions**

The Questions tab holds much functionality. First and foremost, you are given the options of "Add Question", "Add Questions", "Edit Questions", "Export Stats", and "Reset Stats."

There is a search bar to search questions by key words. It automatically views one level at a time, and any one can be selected with the "Change Level" button. However, to view all levels at once, hit the "Search Questions" button without adding any text in the search box.



In the list of questions, each question has a unique identifier that is automatically given to it for reference. The level of the question, the question content, the average score, and the times flagged are all shown. The questions are sortable by all of these columns.



#### **Add Questions**

To mass import a ".doc" file of questions, click the "Browse" button, find the file on your device, and then select the "Add Questions" button. These questions will be plain text, and you cannot bold or italicize any text. This file uses the idea of comma separate values to distinguish a question, instruction, level, instruction, correct answer, and wrong answers. There is no limit to the amount of wrong answers you can input.

"{" begins the sequence, "|" separates the values, and "}" ends the sequence.
{Level |Instructions |Question |CorrectAnswer |WrongAnswer |WrongAnswer |WrongAnswer |An example of a text file that was uploaded:

Level 2 Placement Questions

```
{2|  ¿Cuántos? A foreign exchange student is talking about her hometown. Select the correct English translation of the number. |
Hola, me llamo Cecilia y soy de San Juan, Puerto Rico. San Juan no es una ciudad grande; tiene aproximadamente 437.000 habitantes. |
Four hundred thirty seven thousand|
Four hundred thirty seven million|
Four hundred thirty seven}
{2|  ¿Cuántos? A foreign exchange student is talking about her hometown. Select the correct equivalent number. |
No me gustan las ciudades muy grandes con más de un millón de habitantes. |
1.000.000 |
100.000|
1.000}
```

#### **Add Question**

An administrator can add questions, one at a time, by entering the level, instructions, questions, the first answer is the correct answer, and then as many wrong answers as desired ("Add Answer" button). The question is added once the "Submit" button is clicked.

#### Add Question

Level*:	1
Instructions:	What is the correct translation?
Question*:	Basketball.
Answer:	
Baloncesto	
Remove Answer	
Add Answer Sub	mit Cancel

This functionality gives the admin the ability to change the level, instructions, question, or answers of one question at a time. You are given the same screen layout as "Add Question". The first answer is the correct answer.

#### **Export Questions**

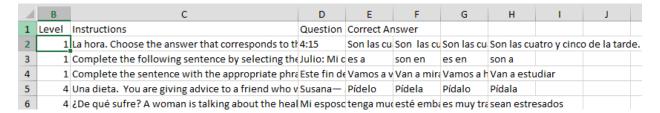
To export questions, check the boxes next to the questions that you want to export, and select **"Export Selected"** at the bottom of the page. If you want, you can **"Select All"** of the questions to export. The main reason to export the questions is to edit the questions in bulk if they have been flagged a few times.

208	1	Esteban:¿A qué hora son tus clases? Lucia	68.42%	1x	View Edit		
467	4	Susana—¿Pido el pollo con papas fritas o co	50.00%	1x	View Edit		
213	1	4:15	58.33%	1x	View Edit		
219	1	Julio: Mi clase de matemáticas las dos	34.09%	1x	View Edit		
477	4	Mi esposo está muy nervioso por las noches y s	100.00%	1x	View Edit		
236	1	Este fin de semana, mis amigos y yo vamos al cine.	90.91%	1x	View Edit		
Del	Delete Selected Export Selected Select All						

#### **Edit Questions**

To edit questions that are currently in the system already, first follow the "Export Questions" instructions. Then, open the ".xlsx" file. Next, you can edit the questions in bulk. All questions edited will have its statistics reset, and will have the same ID number.

Column B represents the level, C is the instructions, D is the Question, E is the correct answer, and all other cells are wrong answers:



To import the updates, hit the "Browse" button next to the "Edit Questions" button, find the file where you saved it, and then update the questions using the "Edit Questions" button.

#### Spanish Questions Spanish Questions Add Question Export Stats Reset Stats Add Question Export Stats Reset Stats Add Questions Browse... No file selected. Add Questions Browse... No file selected Edit Questions Edit Questions Browse... No file selected. Browse... (Spanish.xlsx)

#### **View Flagged**

When questions are flagged, you can sort them to check out why by clicking "View Flagged":
Find Questions

	Search Questions S	how All View Flagged	Clear			
75 Question(s)						
1	Change Level					
I.D. Level	Question	Avg Score	<b>Flagged</b>			
153 1 Estudio en	universidad muy buena.	42.86%	0x	View	Edit	

You can view the individual flagged questions selecting "View":

#### 34 Question(s)

		Change Level				
<u>I.D.</u>	Level	Question	Avg Score	Flagged		
229	1	Los jueves mis compañeros de cuarto generalmen	75.00%	7 <b>x</b>	View	Edit
565	2	Santiago temprano esta noche porque	62.37%	4x	View	Edit
206	1	En familiaLa identidad familiar. Una parte impo	75.47%	3x	View	Edit
471	4	Víctor— ¿Tomo pastillas de dieta? Tú—	33.33%	3x	View	Edit
544	2	Hola, me llamo Cecilia y soy de San Juan, Puert	88.10%	2 <b>x</b>	View	Edit

#### **View Question and Question Statistics**

This provides the function of viewing question ID, level, instructions, question, correct answer "Answer 1", incorrect answers, and question statistics. Question statistics show the number of times the question has been asked, the number of times the question has been correctly answered, the number of times the question has been flagged, and the number of times each answer was submitted. Administrators can "View Comments" that testers who flagged the question have submitted. The admin can reset the statistics for the question. The purpose of these statistics is that if the question seems to be an anomaly with many flags, it will show which answers were selected which made the question seem ambiguous.

#### **Question Statistics Question 229 Comments** The question has been asked 40 time(s). Comment #1: One answer is given twice. The question has been answered correctly 30 time(s). Comment #2: a and b are the same option The question has been flagged 7 time(s) View Comments Comment #3: answers a and b are the same The answer "limpian" has been chosen 30 time(s). Comment #4: There is the same answer twice. The answer "cocinan" has been chosen 5 time(s). Comment #5: There are two answers that are exactly the same. The answer "limpiamos" has been chosen 1 time(s). Comment #6: Answer a and c are the same The answer "cocinan" has been chosen 4 time(s). Comment #7: Choices a and d are the same

Export Stats

9

When exporting test statistics, the administrator can view the question ID, the level, the question, the average score, and the flag count. For more in depth statistics about any questions, see "View Question and Question Statistics" above.

#### **Spanish Questions**



The exported statistics open in an ".xlsx" file. These stats give insight into the average score of each question, individually. It shows the Question ID, Level, Question, Average Score, and Flag Count. For instance, you could sort the table by Average Score. Depending on how many times the question was asked, it may be beneficial - for the integrity of the test - to change the question's level or edit the question (if it has been flagged and seems ambiguous). Merely exporting the statistics does not reset any statistics.

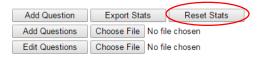
When sorting by average score, the view of the table is:

	Α	В	С	D	E
1	Question I.D. 🔻	Level 💌	Question 💌	Avg Score 🗐	Flag Count 💌
2	331	3	¿Qué	0	0
3	386	3	Yo	0	0
4	404	3	¿Te gusta el	0	0
5	468	4	José — ¿Con	0	0
6	173	1	Indicate the	4.55	0
7	360	3	:	9.09	0
8	205	1	¿Qué hacen	10.26	0
9	486	4	Por favor, no	11.11	0
10	335	3	Hay	14.29	0
11	165	4	Mi hija se ca	16.67	0
12	431	3	El ejercicio l	18.18	0
13	433	3	Martín	20	0
14	506	4	Estoy alegre	20	0
15	163	3	¿Vivían tus p	22.22	0
16	196	1	Ellos tienen	25	0
17	358	3	No	25	0
18	493	4	La cafetería a	25	0
19	382	3	Mi padre	27.27	0
20	553	2	Tengo una fa	27.4	1

#### **Reset Stats**

To reset the statistics, perhaps if some flagged questions do not need to be, select "Reset Stats":

**Spanish Questions** 



**Activating the Exam** 

10

Once exam questions are imported, to activate the language so that students can test in that language, simply click the "Activate" button under the Languages tab.



#### **Activating Feedback**

Activating feedback enables test takers to flag questions that may be wrong (syntax, format, accuracy, etc.), and to state why they are flagging the question. This is helpful for new languages that have been imported into the system.



#### **Level Info**

There is information for each level of each exam that students will see after they take the exam. For instance, they will see which level they test into, the name of the level, the course name with which it is associated, and a description for each level. These can be viewed, added, edited, or deleted under Level Info.

#### **Spanish Level Information**



#### **View**

In this section, an administrator is able to view the name of the language, and whether or not the language and feedback are active. In this section, the administrator can edit the language name, language activation, and feedback activation. The admin can also go to the language questions and level information.

#### Level Info

Level:	1
Name:	Beginners Spanish 1
Course Name:	Spanish 151
Description:	This level is for people who have little to no experience speaking Spanish.
Edit Levels Info	

#### **Edit**

In this section, the administrator can edit the language name, language activation, and feedback activation.

Name*: Beginners Spanish 1 (The name of the level.)  Course Name*: Spanish 151 (The class that corresponds to this level.)  Description: This level is for people who have little to no experience speaking Spanish.	evel.)
Description: This level is for people who have little to no experience speaking	evel.)
opania and	nce speaking

#### **Exam Params**

This tab allows the admin to adjust various aspects of the test. First, the "Key Code" for a tester to take the exam can be changed in this tab. Knowing this key enables the ability to take the FLP Exam. If testers click the "Is this language spoken at home?" button while filling out demographic information, the "Home Spoken lvl" determines the level at which they start. The "Question Count" is the amount of questions testers



are given at each level. The higher "Score" is the percentage to get correct to advance a level. The lower "Score" is the percentage to get incorrect to decrease a level. If a tester gets less than the lower "Score" wrong, they will not be asked the remaining questions in "Question Count." If a tester scores between the two "Score" sections, the tester tests into the given level.

#### **Control Panel**

ers <u>Languages</u> <u>Exam Params</u> <u>Exp</u>	<u>beriences</u>	Roles	Tests	Contacts
Language Experienc	es			
Add Experience				
<u>Name</u>				
Elementary and Middle School	Options	View	Edit	
High School	Options	View	Edit	
College	Options	View	Edit	
Current Course	Options	View	Edit	
Delete Selected Select All				

When filling out demographic information, students are inquired about their language experience. In this section, the administrator can add, update, and delete both experience inquiries and answers (which are displayed in a drop box). Each answer is associated with a level, and the highest level answer that the tester selects is the level at which he or she starts testing.

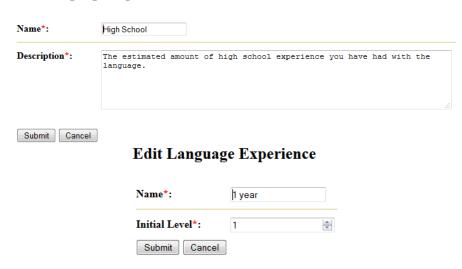
An example of an experience inquiry is the "High School Experience" inquiry as seen to the right. There lists different drop box options with different levels associated with them.

## **High School Experience Options**

Add Optio	n j					
<u>Name</u>	Initial Level					
None	1	View	Edit			
1 Year	1	View	Edit			
2 Years	1	View	Edit			
3 Years	2	View	Edit			
4+ Years	2	View	Edit			
Delete Selected Select All						

The "Edit Languages" button prompts the admin to edit the "Name" and "Description", while the "Edit Language Experience" button allows the admin to change the "Name" of the answer, and the "Initial Level" associated with that answer. As stated before, the highest selected level determines where the tester begins his or her testing.

#### **Edit Language Experience**



# 13

#### Control Panel



"Roles" are assigned to "Users" to give them functionality within the website.

#### **Add Roles**

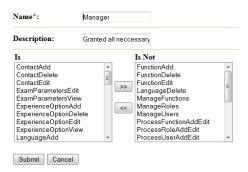
Under the "Roles" tab, click the "Add Roles" button, and add a name and description. This is useful if there is a user or group of users that should be allowed limited usage, or additional management roles. By giving a user the role of an "Admin", they are assigned full privileges.

# Add Role Name Description Admin Full privileges. Manager Granted all neccessary permission to manage the site. Edit Delete Selected Select All

#### **Edit Roles**

To edit the role, select the "Edit" button next to the role. Select what functionality the user has by selecting a role and listing it under the "Is" box, all else, list under the "Is Not" box.

Modify Role



#### List of Roles

ContactAdd, Allows the user to add a contact.

ContactDelete, Allows the user to delete a contact.

ContactEdit. Allows the user to edit a contact.

ExamParametersEdit, Allows the user to edit the exam parameters.

ExamParametersView, Allows the user to view the exam parameters.

ExperienceOptionAdd, Allows the user to add experience options.

ExperienceOptionDelete, Allows the user to delete experience options.

ExperienceOptionEdit, Allows the user to edit experience options.

ExperienceOptionView, Allows the user the view experience options.

FunctionAdd, Allows the user to add functions.

FunctionDelete, Allows the user to delete functions.

FunctionEdit, Allows the user to edit functions.

LanguageAdd, The ability to add a new language.

LanguageDelete, Allows the user to delete an existing language.

LanguageEdit, Allows the user to edit an existing language.

LanguageExperiencesAdd, Allows the user to add a language experience

LanguageExperiencesDelete, Allows the user to delete a language experience

LanguageExperiencesEdit, Allows the user to edit the language experiences.

LanguageExperiencesView, Allows the user to view the language experiences.

LanguageExport, Allows the user to export the questions of a language.

LanguageImport, Allows the user to import the questions for a language.

LanguageStatisticsExport, Allows the user to export the statistics for a language.

LanguageView, Allows the user to view an existing language.

LevelInfoAdd, Allows for adding of level infos.

LevelInfoDelete, Allows for deleting level infos.

LevelInfoEdit, Allows for editing level infos.

LevelInfoView, Allows for viewing level infos.

ManageContacts, Allows the user to manage contacts.

ManageExperienceOptions, Allows the user to manage experience options.

ManageFunctions Allows the user to manage functions.

ManageLanguageExperiences, Allows the user to manage language experiences

ManageLanguages, Allows for displaying all languages and interface to add, change, delete, and view.

ManageLevelInfos, Allows for viewing interface to add, edit, and delete level infos.

ManageQuestions, Allows the user access to the panel to manage questions.

ManageRoles, Allows for reading roles and interface to add, change, and delete.

ManageTestEntries, Allows the user to manage test scores.

ManageUsers, Allows for reading users and interface to add, change, and delete.

ProcessFunctionAddEdit, Allows the user to add and edit functions.

ProcessRoleAddEdit, Allows the user to add and edit process roles.

ProcessUserAddEdit, Allows the user to add and edit process users.

QuestionAdd, Allows the user to add a question to a language.

QuestionDelete, Allows the user to delete a question.

QuestionEdit, Allows a user to edit an existing question.

QuestionSearch, Allows the user to search questions.

QuestionView, Allows the user to view a question.

RoleAdd, Allows for adding of roles by enabling link on manage form.

RoleDelete, Allows for deleting of roles by enabling checkbox on manage form.

RoleEdit, Allows for editing of roles by enabling link on manage form.

TestEntryDelete, Allows the user to delete test records.

TestEntrySearch, Allows the user to search test entries.

TestEntryView, Allows the user to view a test.

TestView, Allows the user to view an actual test.

UserDelete, Allows for deleting of users by enabling checkbox on manage form.

UserEdit, Allows for editing of users by enabling link on manage form.

UserSearch, The ability to search through the record of users.

UserView. Enables to the user to view other user's information.

14

## 15

#### **Control Panel**

<u>Users</u> <u>Languages</u> <u>Exam Params</u> <u>Experiences</u> <u>Roles</u> <u>Tests</u> <u>Contacts</u>

#### **Searching and Sorting Tests**

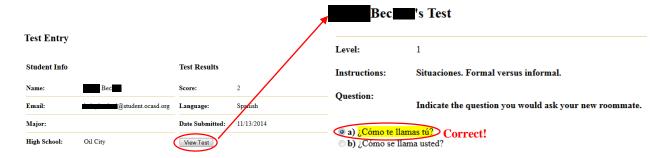
When viewing test entries, an administrator initially sees the results from the past week of testing. The administrator can sort submissions by first name, last name, language, score, or date. An administrator can also search for submissions from a certain name, language, score range, or date range.

The following are Level 2 submissions from 11/11/14 until 11/19/14 sorted by last name: **Tests** 

#### Search 46 Test Entries Name: First Name Last Name Language Score Date Language 11/13/2014 View Spanish Score: 2 🖨 to 2 🚖 11/17/2014 View Matthew Spanish 11/11/2014 Date: to 11/19/2014 Natalie 11/12/2014 View Spanish Alexis Spanish 11/18/2014 View Search Clear

#### Viewing Individuals' Tests

To view individual test entries, select the "View" button next to the submission. This page will show the student demographic information and information about the exam. From this page, the "View Test" button shows the specific questions asked, the questions' information, the questions' correct answers, and the answers submitted by the tester (shown by a check box).



<sup>&</sup>quot;Tests" section shows administrators tests that have been taken in the past.

Contacts

#### **Control Panel**



The "Contacts" tab gives testers the contact information from the administrators who are in charge of all of the tests. For more information, testers will be informed to contact the primary contact, upon completion of the exam. To make a contact the primary contact, select the "Activate" button next to their name in the "Contacts" tab. This feature allows admin to edit the contacts and multiple contacts while still only having one primary contact for the testers to reach out to. The following diagram shows how to "Edit" a contact, "Add" a contact, "Activate" a contact as the primary contact:



To "Delete" a contact:

#### Contacts

