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Who are we?

We are Team Magellan. Our members are Caleb Vincent, Corey Nolan, John Schwartz, Stephen Mardin, and Zach Cross. This product began as a software design and documentation project and sort of spiraled out of control from there.

What is Magellan Tools?

Magellan Tools is the learning toolset we have created. Using Magellan Tools you can create bingo and wordsearches for your students to use in the hope that they will learn more from your course. We offer a simple user interface and a lot of fun for those playing the games.

Technical Details

This release requires a webserver (such as Apache) and Perl (5.8.8 or greater). You must also be able to install modules. If you cannot install your own modules, you must make sure you have CGI, TML::Template, CGI::Pretty, CGI::Carp, Digest::SHA, CGI::Session, File::Basename,List::Util, File::Copy, Math::Random::MT::Perl and DBI. If you do not have all of these there is no guarantee that this installation will work properly. Also make sure you have some sort of database for this application to work with. It was developed and tested with MySQL. We cannot guarantee that any others will work.

Installation

Automatic

To install this application you must extract the archive into your public_html folder. Then, from a command line you must go into the magellanTools folder and type in:

```
 chmod u+x install.pl
```

Hit enter. This will set the permissions for you to run the file. If you get an error please contact your server administrator for help. Otherwise type in:

```
./install.pl
```

That will start the install procedure. If you receive an error message then please delete all the files the program has created and fix the error. Usually it will mean you do not have all the Perl modules installed or you did not have the correct permissions before you began.

During the install you will be asked for the username, password, and database that Magellan Tools will be using to store the users and the games. Please make sure you type them in correctly as this is a global setting and may cause your install to fail if this is not completed.

Once you receive the message that your installation is done you can start using it right away by visiting www.yourwebsitehere.edu/sdd/.

Manual

To manually install the Magellan Tools package extract the zip file and move the files so that you get this setup:

```
/public_html/cgi-bin/template.cgi <— Main logic file
/public_html/cgi-bin/wordsearch.pm <— Wordsearch
module
/public_html/sdd/images/etoolslogo.png <— Logo 1
```

```
image
/public_html/sdd/images/mtoolslogo.png <— Logo 2
image
/public_html/sdd/images/SiteIcon.ico <— Site Favicon
/public_html/sdd/bingo.tpl <— Bingo template file
/public_html/sdd/default.css <— Main Cascading Style
Sheet
/public_html/sdd/images <— Images folder
/public_html/sdd/index.html <— Main page and frame
/public_html/sdd/login.tpl <— Login template
/public_html/sdd/student_games.tpl <— Game list
template (students)
/public_html/sdd/teacher.tpl <— Teacher Menu template
/public_html/sdd/teacher_games.tpl <— Game list
template (Teachers)
/public_html/sdd/wordsearch.tpl <— Wordsearch
template
/MagellanTools/database.dat <— Database connection
information
/MagellanTools/sha256_hex.pl <— Tool for testing
password hashes
/MagellanTools/mardis_sdd.mag_Login.sql <— Login
table creation file
```

Once you have that you will need to go into the database.dat file
and change the username, password, and database lines to match your
installation. With that finished run the login.sql file in a SQL query
browser of your choice. After you have done that then you should be
good to go.

How to Use Magellan Tools

Teachers

For teachers, you will want to visit the main page which will be provided by whoever sets the application up. Once there you will want to register or login. If you are new to the site enter a username (no more than 16 characters), a password, your password again to confirm it, and your real name in the right hand section. Then hit the 'Register' button. If you already have an account just put in your name and password on the left and hit 'Login'.

Assuming this works you will be brought the teacher menu. From here you can go and view your games or add new games.

To see your games click the 'Your Games' button.

To add new games you can either upload a text file (.txt) or enter a wordlist yourself. Make sure to fill out the game type, the lecture name and give it at least one word for the upload to work. Also, if you are making a wordsearch be sure to give a size or else it will use the default of 25x25 for the grid.

If you wish to delete a game then you will need to go the 'Your Games' page. From there you can click the button next to the lecture you want to delete. Then click the 'Delete' button.

Students

When you reach the main website you will notice there is a search bar on the left hand side. This is for searching for teachers. You can search by their username to see all the games they have open. If you wish to find all games in the system then leave the box blank and just hit 'Find Teacher'.

To change the bingo win type you enter a bingo game and change the dropdown box.

Uninstall

To uninstall Magellan Tools you simple delete all the database tables that use the 'mag_' prefix. Also you will want to delete all files listed in the 'Installation – Manual' section.

Known Issues

- Printing of the wordsearch will NOT print the wordlist.
- No .PDF or .PPT parsing (possibly scrapped for good)
- Look and feel is not final
- Does not work in IE, Opera, and may not work in Safari

Troubleshooting

For any issues please check the wiki or code pages. If the issue is not yet reported please make an issue on the SVN site (listed in the contact section).

If you do not hear back from us within 3 business days please send us an e-mail (also on the contact page).

Contact

E-mail: MagellanAdmin@gmail.com

Wiki: http://magellan.wikidot.com

SVN: http://code.google.com/p/magellantools/