

MyPajamas Login facility

Log-on routine explanation

-client side-

1. User requests login form

-server side

2. Salt code is created, sent to the user and stored in a SESSION

-client side

3. User enters credentials (name +pass)
4. Credentials (name +pass) are hashed 150 times
5. A salt is added to the password, this combination is hashed N times
6. Both hashes are sent to the server

-server side-

7. Server looks for the hash of the username in the database, and requests corresponding password hash.
8. The salt is added to the requested password hash, this combination is hashed N times.
9. Both hashes (sent and requested form MySQL) are compared.
10. User is rejected, or user is logged on.
11. If logged on, additional SESSION variables are set

Security notice I

I do not offer any guarantee that this system is secure.

Security notice II

A system is only as secure as it's weakest link; make sure your other scripts are secure, make sure you create a separate user for this MySQL table, make sure only this user has access to the table, and make sure this user does not have any access to other tables, make sure bad functions are blocked in your config files, remove anonymous users, etc.

Security notice III

I did not include a script to add users, it is implemented in my own version though...

To add users yourself, please note this;

- You can do it using phpMyAdmin
- Use the added script (creator.php) to create the hashes (gives you the MySQL query)
- Execute the produced code in phpMyAdmin (create the table first)
- Make sure you **remove** the *creator.php* and *SQL.txt* files when finished (prepending a dot (.) to the filenames works just as well)
- Enjoy!

Missing functions...

I removed some files, for they were too implemented in the rest of my site to just add and expect them to work. When/if I find myself bored, I will reconsider adding them.

Unfortunately, this did decrease the functionality... you can no longer;

- add users (still possible via phpMyAdmin)
- alter users (still possible via phpMyAdmin)
- cracker-o-meter (to check how evil your users are)
- error handling (completely removed, for I used a special class to do so)

To bad, if you were really looking forward to it; keep your fingers crossed... (leaving a message at corz.org to inspire me might help as well)

Putting credit where it should be;

I'd like to thank the following people/sites;

Corz, for creating a single-user version, and for giving me the inspiration

<http://corz.org/serv/security/pajamas.php>

Web-Kreation, for creating the slider

http://web-kreation.com/demos/Sliding_login_panel_jquery/

Paul Johnston, for creating the JavaScript hashing function

<http://pajhome.org.uk/>

The JQuery team, for creating the JS back-end of the slider

<http://jquery.com/>

License

Are you gonna use it on commercial base?

NO; add Cor, Web-Kreation and me in a comment on top/bottom of your page, and I'm totally satisfied

YES; ask Cor how much you owe him (\$\$\$), pay him that much, and add Web-Kreation and me on top of your page in a comment

Comment example;

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The MyPajama Login Facility is created by Web-Kreation, DamnYankee and Cor; <http://corz.org>

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See? Really small, and you totally 'make my day'... you can also put it all on one line.

Contact me

Chose one of these methods;

Visit <http://corz.org/serv/security/pajamas.php> and leave a message.

Mail me; aerkenbrand@gmail.com (slow reaction time though).

Regards,

DamnYankee