

Chat

A basic web chat web application written in Python 3

Written by: Chas Berndt
Version 1.1

License

Copyright (c) 2014 Chas Berndt

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

History

1/25/2014

Version 1.0

Initial release.

1/25/2014

Version 1.1

Added logic to not re-post duplicate messages.

Overview

Chat is a basic web application for Python. Currently, it uses the Python-included *http.server* to handle serve requests. Chat messages, which consist of a *username* and a *message* are stored in a SQLite 3 database and is used to store all chat messages as well as timestamps for those messages.

Configuration

Configuration is very simple.

startserver.py

Variable Name	Description	Default Value
<code>port</code>	This defines the listening port of the http server.	9999

dbio.py

Variable Name	Description	Default Value
<code>databasePath</code>	This is the location of the SQLite database used to store chat messages.	<code>..\db\chat.db</code>

pylogger.py

Variable Name	Description	Default Value
<code>loggingLevel</code>	This value defines how high or verbose the logging of Chat is. See the <code>dictLogLevel</code> inside of <code>pylogger.py</code> for more information.	<code>information</code>
<code>logFileName</code>	This is the location of the log file used to store Chat application logs.	<code>..\logs\chatapp.log</code>

Deployment

Once you've made the appropriate changes to the configuration of Chat (if needed), you should be able to simply run *startserver.py* to begin using Chat. You can browse to *http://localhost:9999/chat.py* and begin using the Chat application. Once you've decided to deploy it, you'll need to configure the application with the appropriate port and restart the server. Optionally, you can migrate to Apache or

some other CGI-enabled webserver, however deployment on a production webserver is not covered within this document.

Issues/Bugs/Questions/Etc.

Feel free to email me at y80nomo@gmail.com.