TLEN5839: Homework 7

Traffic Encryption and Increased Awareness
Due Tuesday 3/16 noon

Description
To increase the security of our app we will add HTTPS encryption and block brute force password hacking attempts.

Deliverables
Copy HW6 to HW7. When users connect go to http://webserver/hw7 it should redirect them to https://webserver/hw7 .

Update all references from hw6 to hw7 so you application stays in SSL.

Create a method to record all logins.

During the login process, check the IP address **BEFORE** checking passwords. If there are 5 failed logins from the IP in a 1 hour period then do not allow them to login.

Create a method to display the number of failed logins for the admin user.

Extra Credit
Enable MySQL SSL for the HW7 app.

Create a new user called ralphiessl.
Modify /etc/hw7-mysql.cnf to use ralphiessl.

Update your connect() function to use SSL.