

**CMPSC 4983 – Seminar – System Administration with Perl**  
**Final Projects**

**Final Project #3:**

Write a script that could be executed daily that would produce a report containing the user's username, total number of logins (excluding active sessions), and total amount of time logged in (excluding active sessions) for each user that had used the system that day (as reported by the command *last*). Output must be written to a file name 06-29-2015\_login\_summary.txt where the date portion of the filename is generated automatically based on the current date (as reported by the command *date*).

Output file content and format:

For each user:

User's Full Name, total number of logins, total amount of time, and average amount of time per session for the for the current user.

End of Report Summary:

Total number of unique users, total number of logins, total amount of time, and average amount of time per session for all users.

Additional Requirements:

- Individual user rows should be sorted in descending order of total time for the day.
- User information separated by SINGLE SPACE, FORWARD SLASH, and another SINGLE SPACE.
- All time entries should be displayed as "X hours Y minutes", but if time is less than an hour then show only "Y minutes"