**California University of PA**

**Dept. of Computer Science, Info Systems, and Engineering Technology**

**ACET440 Computer Networking**

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**= Lab Report =**

**Lab 4 Client: Data Share**

**Andrew Bissell**

**Joshua Hughes**

**Noah Proctor**

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**I. Procedure**

Open the virtual desktop and acquire the putty .exe from the putty website (*https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html*). Enter Draco1.calu.lcl in the host name and set it to SSH. When prompted for a login use your pennwest email and password, take care to enter the password correctly, it will not show the characters or how many are inputted (*Figure 1*). Either import the FuncsLab4.c, Lab4.h, Lab4.c, and Makefile, or create blank files using the touch command and copy each file in using nano. Once all files are in the directory use the make command to compile and get the Lab4 executable, use the ./Lab4 command to execute the program. There is a 5 second down time on the server’s side every 15 seconds, so if there is an error wait at least 5 seconds then re-input ./Lab4. Proper output should show the average GPA, average age, active users, and a log of the last three days number of users (*Figure 2*).

**II. Team Member Contribution**

All team members actively contributed to all parts of the programs with Andrew Bissell in charge of setup, the start of the average/active user output, and Makefile creation. Noah Proctor oversaw the login statistics and final completion of the FuncsLab4.c functions. Joshua Hughes oversaw the modularization of the final file into three files (Lab4.c Lab4.h FuncsLab4.c) and co-leader of the login statistics. Every team member conducted tests, proper output of data checks, proof-reading of code/report, and completion of the Lab4 report.

A screenshot of a computer

Description automatically generated with medium confidence

*Figure 1: Logging into Draco1*

Text

Description automatically generated

*Figure 2: Fresh input of code and make execution with proper output*