

Comp 170

Mail Merge Programming Assignment

75 Points

Due: Tuesday, Nov 15

Goals:

1. Practice reading and writing text files.
2. Practice with string manipulation.
3. Practice writing programs in the Linux environment.
4. Practice using the "mail" program.

Description:

Write a C++ program that will remind software testers of their scheduled appointments. The program should send an email to each person in the signup.txt file. To do this a mail.txt file should be written that contains the formletter.txt with the markers replaced by the data from signup.txt. Then use the following syntax to send the email to the tester.

```
system("mail -s \"Chess Testing Reminder\" EMAIL@harding.edu < mail.txt");
```

Files:

signup.txt *Provided to you* Watch for blank lines and time slots where know one has signed up.

```
Mon 12/6/2004 2:00 pm (seat 1), Kyle Arthur, EMAIL@harding.edu, 555-1212
Mon 12/6/2004 2:00 pm (seat 6), Chris Curry, EMAIL@harding.edu, 555-1212

Mon 12/6/2004 3:00 pm (seat 1), Josh Stauter, EMAIL@harding.edu, 555-1212
Mon 12/6/2004 4:00 pm (seat 1), Jonathan Stinson, EMAIL@harding.edu, 555-1212
Mon 12/6/2004 4:00 pm (seat 2)

Tues 12/7/2004 2:00 pm (seat 1), Stephen McCubbin, EMAIL@harding.edu, 555-1212
Tues 12/7/2004 2:00 pm (seat 5), Willie Wellspring, EMAIL@harding.com, 555-1212

Tues 12/7/2004 3:00 pm (seat 1), Dacia Roper, EMAIL@harding.edu, 555-1212
Tues 12/7/2004 3:00 pm (seat 5), Will Ellis, EMAIL@harding.com, 555-1212
```

formletter.txt *Provided to you*

```
%NAME%,

This is a reminder that you are scheduled to test chess games in science room 203 at %TIME% on
%DATE%. If you have any questions or need to reschedule please contact me at 279-4826.

Thank you for your help,

Dana Steil
```

Replace %NAME%, %TIME% , and %DATE% with their respective values from signup.txt.

mail.txt *You generate these.* Email it the override it with the next tester.

```
Kyle Arthur,

This is a reminder that you are scheduled to test chess games in science room 203 at 2:00 pm on
12/6/2004. If you have any questions or need to reschedule please contact me at 279-4826.

Thank you for your help,

Dana Steil
```