Python Console E-Mail Application Scaffolding

CS324 Advanced Programming

Create a console based email starter application to get started programming in Python.  Your application should provide the following features: login, create account, view inbox.

This is a console based application so you will only use Python’s input and raw\_input to get input from the keyboard and print to send output to the virtual machine’s console. Here’s an example of what the initial run of your program might look like with user input highlighted in **red**:

/students/csc324> **python assignment2.py**

\*\*\*\* Welcome AEA: Awesome Email Application \*\*\*\*\*

1 – create account

2 – login

choice: **2**

Enter userid: **bellethedog**

Enter password: **squirrelsmustdie**

For this assignment no HTML or web server code needs to be written. You’ll be working on this in the next assignment.

Your data store should contain:

* 3 users
* 5 emails sent, 5 emails received per user

Your elearn submission should contain:

* a tar file of the directory that contains your python program and data
* list of your usernames/passwords so I can login and test your system

#### Grading

#### 30%  for each feature (total of 90%)

* 10% commented Python, neatly formatted screen output

How to tar a directory:

* example assumes your assignment is located in /students/assignment2
* goto the directory ***above*** the directory you want to tar:

cd /student/csc324

* type the following:

tar –cvf assignment2.tar ./assignment2

* you will see the files in the assignment2 directory being added to the tar file

How to transfer tar file from virtual machine to your local machine:

* use a program called scp to copy the file on linux/OSX machines where:
	+ xxxxxx.pem is the name of your pem file,
	+ [www.xxx.yyy.zzz](http://www.xxx.yyy.zzz) is the ip address of your virtual machine,
	+ /student/csc324/assignment2.tar is the location of the file on your virtual machine
	+ . is the current directory on your local machine

scp -i xxxxxxx.pem ubuntu@www.xxx.yyy.zzz:/student/csc324/assignment2.tar .

* use a program called WinSCP to copy the file on Windows machines:

<https://sourceforge.net/projects/winscp/>

* transfer tar file from your local machine to elearn using the elearn website