

CMPT 165 - Login Program: Project Description from Client

We need a web-based application to check the user name and password of our employees when they log into our system. Because we are a high-tech company that takes security concerns seriously, we have chosen to store all employee information (including passwords) in a clear text file. This file is called `users.csv` and is formatted as *comma separated value* (CSV). Each line of the file contains the following information:

```
username, first_name, last_name, password
username, first_name, last_name, password
...
```

The employee will be prompted to enter his/her username and password, one at a time. The prompts should be:

```
Username?
Password?
```

If the username and password are entered correctly and match a user listed in our credentials file then the program should report the following and exit:

```
<first_name> <last_name>, you have successfully logged in.
```

If the username cannot be found or the password that was entered incorrectly then the program should report the following and exit:

```
Username and/or password is incorrect.
```

Application Deployment

To deploy this program on the web server copy the Python script `login.py` and the credentials file `users.csv` into the root of the website.

Are there any security concerns? If so, can you think of 2 ways to improve security?