**Assignment 1**

**Registration and Login system using Python, file handling**

**Stage -- 1**

**Registration**

**When the user chooses to Register**

**---> email/username should have "@" and followed by "."**

**eg:- sherlock@gmail.com**

**nothing@yahoo.in**

**---> it should not be like this**

**eg:- @gmail.com**

**there should not be any "." immediate next to "@"**

**eg:- my@.in**

**it should not start with special characters and numbers**

**eg:- 123#@gmail.com**

**---> password (5 < password length > 16)**

**Must have minimum one special character,**

**one digit,**

**one uppercase,**

**one lowercase character**

**Stage 2**

***Once the* username and password are validated, store that data in a file**

**Stage 3**

**Login**

**When the user chooses to Login, check whether his/her credentials exist in the file or not based on the user input.**

**If it doesn’t exist then ask them to go for Registration or**

**If they have chosen *forget password you should be able to retrieve their original password based on their username provided in the user input***

***or else you can ask them to provide a new password***

***(only if their username matches with the data exists in the file)***

***If nothing matches in your file you should ask them to Registration***

***(Since they don't have an account)***

**Note:- *This task has to be accomplished using Python alone. No web.***