Unit 6 Assignment

Directions:

Please complete the following assignment to signify your completion of Unit 6. All programming projects need to be completed and submitted electronically, following the Electronic Submission Guidelines discussed in class.

Background:

The purpose of this assignment is to get practice working with textual data. In Ruby, string is a class and comes with many different operations we can perform on it. The programming project below will ask you to learn some of these new capabilities.

Project 1: Username/Password Validator
Create a Ruby program which prompts for a username and password and validates that they meet the following criteria:

The username should:
- have at least 8 characters long
- contain alpha numeric characters (no spaces or special characters)
- contain at least 1 uppercase character
- contain at least 1 lowercase character
- contain at least 1 numeric character (0-9)

The password should:
- not contain a user's username (i.e. the username "CraigKapp1" is valid, but the password "CraigKapp1Password" is not valid because it contains the string "CraigKapp1")
- be at least 8 characters long
- only contain alpha numeric characters (no spaces or special characters)
- contain at least 1 uppercase character
- contain at least 1 lowercase character
- contain at least 1 numeric character (0-9)

 A number of different program dialogues describe the program I am looking for.

```
CS83R Username/Password Validator
Username: SmcCorsair1
Password: GoDodgers1
The Username/Password combination is valid!

CS83R Username/Password Validator
Username: SmcCorsair
Password: GoDodgers1
The Username requires numeric character

CS83R Username/Password Validator
Username: smccorsair1
Password: GoDodgers1
The Username requires an uppercase character

CS83R Username/Password Validator
Username: SMCCORSAIR1
```

```
Password: GoDodgers1
The Username requires an lowercase character

CS83R Username/Password Validator
Username: corsair
Password: GoDodgers1
The Username requires atleast 8 letters

CS83R Username/Password Validator
Username: SmcCorsair1
Password: aaSmcCorsair1aa
The Password cannot contain the Username

CS83R Username/Password Validator
Username: SmcCorsair1
Password: gododgers1
The Password requires an uppercase character

CS83R Username/Password Validator
Username: SmcCorsair1
Password: GODODGERS1
The Password requires an lowercase character

CS83R Username/Password Validator
Username: SmcCorsair1
Password: Smc1
The Password requires atleast 8 letters
```