Christopher Kruger

EM 624

Homework 2 – Test Cases

**Program Goal:**

The goal of my program was to create a “light” version of the password requirements often seen on websites for account creation. The requirements of the input to pass were as follows: minimum length of 5, maximum length of 12, must be alphanumeric, and cannot contain the word ‘password.’ The program will keep asking for a new password, and while doing so, will tell the user if the password they input passed the requirements, and if not, would state the error. The program concludes when the user input states ‘done.’

**Testing Strategy:**

1. Checks if the word ‘done’ is entered to conclude the program.
2. Tells the user that the program is terminated.
3. Checks that the password is more than 5 characters.
4. Checks that the password is less than 12 characters.
5. Checks that the password is alphanumeric (contains only letters or numbers).
6. Checks that the password does not contain the word ‘password.’

**Sample Data for Testing:**

*Input: test (anything less than 5 characters)*

*Output -> Error: The password is less than 5 characters*

*Input: testingtesting123*

*Output -> Error: The password is greater than 12 characters*

*Input: P@SSWORD*

*Output -> Error: The password contains non-alphanumerical characters*

*Input: 12PaSSworDDD*

*Output -> Error: The word ‘password’ is contained*

*Input:Pa55w0rd*

*Output -> Your password has been accepted!*