Kevin O’Donnell Assignment 1 Design Document

Pseudocode

**isValidPassword**

Receive variable from user

Create a concatenation of if and else statements that check the following:

1. At least 6 characters long
2. 10 or more characters is a strong password, between 6 and 9 characters is a weak (but acceptable) password.
3. At least 1 numeric character
4. At least 1 uppercase alphabetic character
5. At least 1 lowercase alphabetic character
6. At least 1 special character
7. No more than 2 of the same character in a sequence

Hello@123 – OK

AAAbb@123 – not OK

Aaabb@123 – OK

1. If any of the following is false, return false. If not, then return true.

**isWeakPasswords**

Checks which of the checklist was wrong with another concatenation of if and else statements, and shows the exception to the user

**getInvalidPasswords**

It will check an array list of invalid passwords, and return them set in this way:

<password><blank><message of exception thrown>

**Test Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output** | **Did the test pass?** |
| 1 | Aaabb@123nd | Aaabb@123nd | OK | Ok, strong | yes |
| 2 | 123lol | 123lol | OK | Ok, but weak | yes |
| 3 | aannne | aannne | Not OK | No more than 2 of similar character in sequence | yes |