Project 1

Design

Prior to the code, my focus was understanding the objective of the assignment. I read through the directions carefully to get all requirements checked off. After, I looked at the given classes to see exactly purpose the other classes had on the class I was creating. Javadoc for the PasswordCheckerUtility() class. In my notes I would write down what the class did and wrote pseudo code for each of the classes. Finally I implemented them.

Test Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Prompt | input | Output expected | Output Excepted | Screenshots |
| Testing comparable method | Jack  pack | Passwords do not match | Passwords do not match | A screenshot of a computer  Description automatically generated |
| Testing whether the input is weak | Ddflj454$ | Password is weak | Password is weak | Graphical user interface, text, application  Description automatically generated |
| Testing no more than 2 characters in a sequence | DDDwilson99. | Error: two of the same character in sequence | Error: two of the same character in sequence | Graphical user interface, text, application, chat or text message  Description automatically generated |
| Testing no number | chloeT.. | Must contain one digit | Must contain one digit | Graphical user interface, text, application, chat or text message  Description automatically generated |

JunitA screenshot of a computer

Description automatically generated with medium confidenceA screenshot of a computer

Description automatically generated with medium confidence

Learning Experience

A picture containing text, indoor, wall, black

Description automatically generatedProfessor, Before I start, I would like that my main device I work on is a mac. When testing “Check Password in File” button, my IDE glitches causing the java window to freeze. My solution was to transfer all my work onto a window operating system and test it. To my surprise the invalid’s passwords method worked. The capture above is proof.

What a way to start the class off. The password checker was a gateway into what a computer scientist would regularly do in terms of exceptions. Almost every website now a days require an account to access features and functions. Learning how to implement all the methods is a great real life working example. Array List of strings utilized skills from all aspects of coding. Calling other methods, loops, and if-statements are all used to implement and create a working assignment. For the method hasSpecialCharacter(), incorporating the regex package and getting use to the pattern and matcher objects was a doozy. Pattern uses notations to state exactly what string in matcher is looking for. After, an if statement with conditions of pattern being true results in true. Finally, the Junit testing overall was a rough time. My approach was getting the logic correct then proceed to write the code. I had numerous attempts causing a lot of time was focus onto the project. For the upcoming project I will keep record of all my error for a detail response.