# TEST CASES DOCUMENTATION

**Date:** Date the test was documented

**Document Tested:** .java file tested

**Action:** The input of the password

**Expected Results:** The score of the password – invalid or valid password

**Actual Results:** The actual resulting score or if the password is invalid or valid

**Pass / Fail:** Determines if the test passes or fails

Password Score: 0 – 5
Score 5 Requirements: Contain at least 9 characters with lowercase and uppercase character(s), number(s), and special character(s)
Score 4: Missing at least one requirement from Score 5 Requirements
Score 3: Missing at least two requirements from Score 4
Score 2: Missing at least three requirements from Score 3
Score 1: Only meets one requirement from Score 5
Score 0: Input is empty

## TEST CASE 1: PASSWORD.JAVA

| Date | Document Tested | Action | Expected Results | Actual Results | Pass / Fail |
|---|---|---|---|---|---|
| 4/1 | Password.java | *null* | 0 | 0 | Pass |
| | | "a" | 1 | 1 | Pass |
| | | "aA" | 2 | 2 | Pass |
| | | "aA1" | 3 | 3 | Pass |
| | | "aA1!" | 4 | 4 | Pass |
| | | "aA1!a" | 4 | 4 | Pass |
| | | "aA1!atEstt" | 5 | 5 | Pass |
| | | "a " | ? | 1 | ? |
| | | "aA1!atE   " | ? | 5 | ? |

**Note:** Would an empty string result in a failed strength check or would an empty string be accepted?
When inputting a few white spaces, we still get a score of 5.

**Valid Password Requirements:** Contain at least 12 characters with lowercase and uppercase character(s), number(s), and special character(s)

**Password Invalid:** If the password does not meet all the requirements listed above

If invalid, the user will get error messages depending on missing requirements:

1. less than 12 characters
2. no special character(s)
3. no upper case character(s)
4. no number(s)

## TEST CASE 2: TESTERCHECKPASSWORD.JAVA

| Date | Document Tested | Action | Expected Results | Actual Results | Pass / Fail |
|------|-----------------|--------|------------------|----------------|-------------|
| **4/6** | TesterCheckPassword.java | *null* | **Invalid** Error messages: 1, 2, 3, and 4 | **Invalid** Error messages: 1, 2, 3, and 4 | Pass |
| | | "a" | **Invalid** Error messages: 1, 2, 3, and 4 | **Invalid** Error messages: 1, 2, 3, and 4 | Pass |
| | | "aB" | **Invalid** Error messages: 1, 2, and 4 | **Invalid** Error messages: 1, 2, and 4 | Pass |
| | | "aB1" | **Invalid** Error messages: 1 and 2 | **Invalid** Error messages: 1 and 2 | Pass |
| | | "aB1!" | **Invalid** Error messages: 1 | **Invalid** Error messages: 1 | Pass |
| | | "aB1!123Ab@123" | **Valid** | **Valid** | Pass |
| | | "aB1!123Ab  " | ? | ? | |