

**SWE 445**

**Phase #4**

**Black Box Testing**

**Group #4**

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| **Test case ID** | TC – 01 |
| **Test case description** | This test case tests the resilience of the sign-in form against SQL injections |
| **Author** | Yahya Althubaity |
| **Use case** | The use case allows customers to log into our system using an email and a password |
| **Test input** | “example@gmail.com” as the email (which exist in our database), “OR 1=1 --” as the password |
| **Expected output** | The regular expression should prevent the form from being submitted |
| **Actual output** | The regular expression did prevent the submission of the sign-in form |
| **Test pass or Fail** | Pass |
| **If fail then details of the bug and if it is corrected** |  |

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| **Test case ID** | TC-02 |
| **Test case description** | This test case checks the resilience of our system through its protection of sensitive information |
| **Author** | Ali Alabdrabalrasol |
| **Use case** | The use case allows customers to pass credentials to our system |
| **Test input** | Pass in passwords or Card information |
| **Expected output** | Sensitive data Passed should be hashed in the database using MD5 hashing algorithm |
| **Actual output** | Sensitive data has been hashed |
| **Test pass or Fail** | Pass |
| **If fail then details of the bug and if it is corrected** |  |

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| **Test case ID** | TC – 03 |
| **Test case description** | This test case checks if the sign in form is working as intended with valid credentials. |
| **Author** | Yahya Althubaity |
| **Use case** | The use case allows customers to log into our system using email and password |
| **Test input** | “example@gmail.com” as the email (which exist in our database), and “12321” as the password (which is the password for that account) |
| **Expected output** | The system should give the owner of that account accessibility to the account |
| **Actual output** | The system did authorize the account owner |
| **Test pass or Fail** | Pass |
| **If fail then details of the bug and if it is corrected** |  |

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| **Test case ID** | TC – 04 |
| **Test case description** | This test case checks if the sign in form is working as intended with invalid credentials. |
| **Author** | Yahya Althubaity |
| **Use case** | The use case allows customers to log into our system using email and password |
| **Test input** | “example@gmail.com” as the email (which exist in our database), and “ABCDE” as the password (which is NOT the password for that account) |
| **Expected output** | The system should prevent accessibility to the account |
| **Actual output** | The system did prevent accessibility and showed a message “the email or password in invalid” |
| **Test pass or Fail** | Pass |
| **If fail then details of the bug and if it is corrected** |  |

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| **Test case ID** | TC - 05 |
| **Test case description** | This test case checks if the system allows registering again with the same email. |
| **Author** | Salem Bamukhier |
| **Use case** | Sign up |
| **Test input** | Already used email for another account. For example, “example@gmail.com” as the email (which exist in our database) and other information in the sign-up form. |
| **Expected output** | Error message stating that there is an account registered with this email. |
| **Actual output** | Successfully created account. |
| **Test pass or Fail** | Fail |
| **If fail then details of the bug and if it is corrected** | There is no “unique” attribute for the field “email” in the database. |