**Test Case Requirements – Login (VANS)**

**Preconditions**

1. Only users with a valid username and password and an account which is authorized but not locked out can access the VANS system.

**Basic Flow**

1. The system loads the VANS login screen.
2. The system clears any existing session data.
3. The system scans the incoming URL and will direct to the error page when an invalid request or security threat is detected.
4. The user enters their username.
5. The user enters their current password.
6. The user presses the ‘Login’ button.
7. The system verifies the user’s username and password.
   1. The system verifies that the user’s account has not been locked out.
   2. The system verifies that the user’s account is authorized.
8. The system issues new verified session data for the user.
9. The system redirects the user to the VANS HomeMain Screen.

**Alternate Flow(s)**

*Forgot Password*

1. The user has forgotten their password and desires to retrieve it.
2. The user presses the ‘Forgot Your Password?’ link.
3. The system redirects the user to the Forgot Password form.
4. The user enters their Username.
5. The user presses ‘Submit’.
6. The system validates their username. 
   1. If not validated the system displays an error.
      1. 508 Compliance requires that alert must include a pop-up with a detailed error message.
7. The system populates the user’s Security Question.
8. The user enters their Security Answer.
9. The user presses ‘Submit’.
10. The system verifies the Security Answer. 
    1. If not validated the system displays an error.
       1. 508 Compliance requires that alert must include a pop-up with a detailed error message.
11. The system sends the user an email with a new, randomly generated password. This will not be the password that the user previously entered and forgot.

*Forgot Username*

1. The user has forgotten their username and desires to retrieve it.
2. The user presses the ‘Forgot your username?’ link.
3. The system redirects the user to the Forgot Username form.
4. The user enters their e-mail address.
5. The user presses ‘Submit’.
6. The system validates their e-mail address. 
   1. If not validated the system displays an error.
      1. 508 Compliance requires that alert must include a pop-up with a detailed error message.
7. The system sends the user’s username via email.

*Incorrect Login Information*

1. The user enters an invalid username or password.
2. If the user has entered a valid username, but invalid password – the system will mark the user’s account as a failed login attempt. 
   1. Multiple failed login attempts will result in user’s account being locked out.
3. The system alerts the user that their login attempt was unsuccessful.
   1. 508 Compliance requires that alert must include a pop-up with a detailed error message.

*Account Locked Out*

1. The user enters a valid username and password.
2. The system verifies the username and password, but the account has been locked out from too many failed login attempts.
3. The system alerts the user that their account is locked out and that they need to contact the system administrator for assistance.
   1. 508 Compliance requires that alert must include a pop-up with a detailed error message.

*Account Not Authorized*

1. The user enters a valid username and password.
2. The system verifies the username and password, but the account is no longer marked as authorized.
3. The system alerts the user that their account is disabled and that they need to contact the system administrator for assistance.
   1. 508 Compliance requires that alert must include a pop-up with a detailed error message.

**Post Conditions**

1. The user receives a valid session and has access to the VANS dashboard page.