**Use 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.