Name: Genglin Yu Class: SDEV 300 Date: 20220709

Test Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case # | Input | Output | Expected output | Display |
| 1  (Main) |  |  |  |  |
| 2 | Genglin  Genglin123!!  Genglin123!! | You successfully registered.You will be navigated to main page in 5 seconds | \*same |  |
| 3 | \*same input as 2 | User name already exist! | \*same |  |
| 4 | \*Password same | Username cannot consist any special characters except underscore | \*same |  |
| 5 | \*all combinnations |  |  | \*Because the message box only appear when click on password field.  It doesn’t have enough space to snip the lower part of requirements. |
| 6 | Long  123456789aA@  123456789aA@ | Please do not use common pattern for password! |  |  |
| 7  (wrong password) | Genglin  gskaenfwakefl | IP address '192.168.137.1' failed attempt to login username 'Genglin' - 2022-07-09 23:24:38,808 |  |  |
| 8 | Genglin  Genglin123!! | \*redirect to the state page |  |  |
| 9  (click on hyperlink) | Genglin  Gs  Gs  Gs | Please follow the password requirement below to complete registration! |  |  |
| 10  (Continue ) | Genglin@  Genglin123!!  Genglin123!!!  Genglin123!!! | Username cannot consist any special characters except underscore |  |  |
| 11 | Genglin@  Genglin123!!  Genglin123!!secreT  Genglin123!!secreT | Please do not use common pattern for password! |  |  |
| 12 | Geng  Genglin123!!  Genglin123!!  Genglin123!! | Username or password is wrong |  |  |
| 13 | Genglin  Genglin123!!  Genglin123!!!  Genglin123!!! | Password has changed. You will be navigated to main page in 5 seconds |  |  |
| 14 | Genglin  Genglin123!!! | \*new password successfully navigate to stateFlower page |  |  |

# **My decision of how to make a strong security password is using a function that will read transferred data from the html and basically lowercase the whole password and using the regex to quickly identify any commons with the commonPassword file data. If it does, then it will return with a false message which will render the page again and wait for the user to enter a new password. Log file can be sometimes super useful, because it can display small changes to the code or a critical error that might turn the whole server into the risk. With the logger, the programmer can quickly identify and fix those problems.**

# **PART II**

1. THIS SDEV 300 CLASS HAS SOME STRANGE REQUESTS. (Morse Code)
2. SO THIS IS BASE64. NOW I KNOW. (Base64)
3. --- Begin Key ----  
   I am so clever. No one could possibly figure this out.  
   --- End Key --- (Caesarian Shift, N=12)

# **PART III**

# **Because of the flask is probably not compatible with the pylint. It drove into similar problem that I had on last assignment.**

# Text Description automatically generated