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* Process 1 – Verify Credentials

Structured English

DO WHILE user has attempted access less than 10 times

IF usernameEntered equals userNameOnFile

THEN IF passwordEntered equals passwordOnFile

THEN provide authentication to the system

Allow the user to continue to the requested page

ELSE clear the password field

prompt the user to enter their password again

increase the access attempt counter by 1

ELSE clear the username field

prompt the user to try again

increase the access attempt counter by 1

ENDIF

ENDDO

Prevent the user from entering any characters into either of the fields

Display a message that informs the user that they will be unable to attempt a login for 10 minutes

Decision Tree



Decision Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Conditions** |  |  |  |  |
| Username Correct | Y | - | Y | N |
| Password Correct | Y | - | N | - |
| Try Counter Greater Than 10 | - | Y | N | N |
| **Actions** |  |  |  |  |
| Provide Authentication;  Allow user to Continue | X |  |  |  |
| Clear the username field, prompt the user to try again |  |  |  | X |
| Clear the password field, prompt the user to try again |  |  | X |  |
| Prevent the user from trying again for 10 minutes |  | X |  |  |