

Program Algorithm – Pseudocode

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# Component 2 - Daniel Ly 11/02/2025
# checking a username and password (logging in).
# This component takes an existing username and password (for a previously
registered user)
# and checks if they match a valid entry in the file (accounts.txt).
# assumes login is stored in the plaintext format "username,password"

# try to find directory of this script so can open accounts.txt

# Get the current username and password

# combine username and password into one string

# set flag to show login state

# open the accounts.txt file

    # read the entire file and return it as a list of strings
    # where each string represents a line from the file

    # iterate through each line using for loop

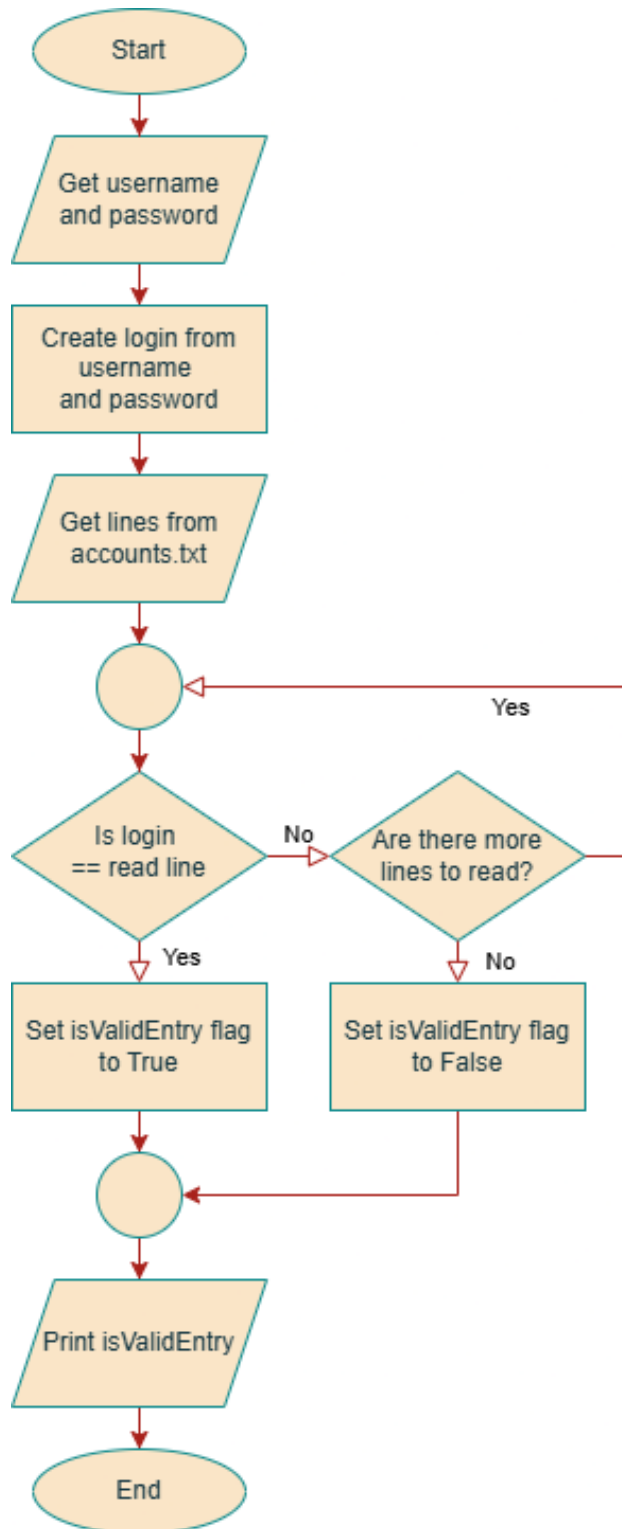
        # select required match using equality operator

            # set flag for valid entry to true

            # exit the loop

# show the result to the user
```

Program Algorithm – Flowchart



Algorithm Feedback

Supervisor Feedback