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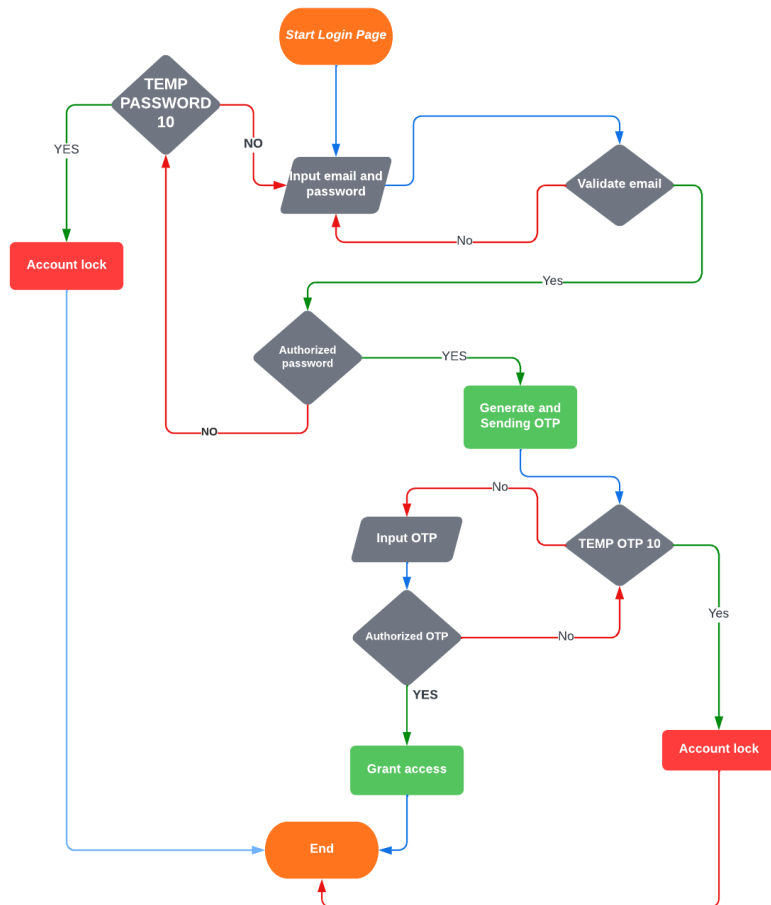
SESI 1: Membuat pseudocode dan flowchart proses login yang disertai OTP

Algoritma dan Struktur Data

Flowchart

Flowchart login with OTP

khaisa zenuar | February 22, 2023



Pseudocode

```
1  #pseudocode login
2
3  INPUT GET Email
4  INPUT GET Password
5
6  //Login function
7  procedure Login(Email,Password):
8
9      //validate email
10     IF (database.email(Email)) THEN
11         WHILE True:
12             //temp inccorect password
13             var int temp_password += 1
14             //temp password check
15             IF temp_password == 10
16                 //account lock
17                 account_lock(email)
18                 print "account lock please contact costumer service"
19
20         ELSE
21             //validate password
22             IF (database.password(password)) THEN
23                 var int otp_generate = function generate_otp(email)
24                 WHILE True
25                     //temp inccorect OTP
26                     var int temp_otp += 1
27                     var int otp = input OTP
28
29                     IF var temp_otp == 10 THEN
30                         //account lock
31                         account_lock(email)
32                         print "account lock please contact costumer service"
33
34                     ELSE
35                         //validate OTP
36                         IF var otp == otp_generate THEN
37                             print "login success"
38                             function dashboard()
39                         ELSE
40                             print "inccorect OTP input please input again"
41                             next input OTP again
42                     ENDF
43                 ENDF
44             ENDWHILE
45
46         ELSE
47             print "incorrect password"
48             // input password again
49             input password
50
51         ENDF
52     ENDWHILE
53
54
55     ELSE:
56         print "incorrect email"
57         //input email again
58         input email
59     ENDF
60
61 endprocedure
62
63
```

Jika email benar : Jika email benar akan di lanjutkan ke process validasi password

Jika email salah : akan disuruh menginput email kembali dengan benar

Jika password benar : Jika password benar akan di lanjutkan ke process generate OTP dan pengiriman OTP

Jika password salah : akan disuruh kembali input password dan maksimal input password salah adalah 10 kali jika sudah 10 kali salah akun akan terkunci

Jika OTP Benar : Jika OTP benar akan di lanjutkan ke dashboard dan process login selesai

Jika OTP Salah : Jika OTP salah akan kembali input OTP dan maksimal input OTP salah adalah 10 kali jika sudah melebihi 10 kali akun akan terkunci