Activity Diagram for Login Page

Start

User Opens Login Page

Enter Username and Password

Click Login Button

Is Credentials Valid ?

No → Yes → Login to the Profile

Max Attempts Reached ?

No → Show Error Message
Yes → Prevention temporary

User

Login System

Auth System

Database System

Enter Credentials
Click Login Button

Authenticate(username,password)

QueryUser(username)

Alt

[If Credentials Vaild]

Return User exists

VerfiyPassword(password,hash)

Passwords match

Sucess

AuthSuccess(userObject)

UpdateLastLogin(username)

CreateSession(userObject)

SessionToken

LoginSucess

Return UserRecord / Null

[Else Credentials Invaild]

Passwords don't match

Wrong password

AuthFailure()

Login Failed

IncrementFaildAttempts(username)

Display Login Error Message