Test plan:

1. Login: &123& (invalid)  
 -- No uppercase letter  
 -- No lowercase letter  
 -- No special character  
 2. Login: 45Ro@ (valid)  
 3. Login: 12#Oop0 (valid)  
 4. Login: gss (invalid)  
 -- No digit  
 -- No uppercase letter  
 -- No special character  
 -- too short   
 5. Login: 885### (invalid)  
 -- No uppercase letter  
 -- No lowercase letter

I spent around 8 hours to do this homework, it’s kind of hard for me cause I am not familiar with StringBuffer, and a kind of forget java language during long time. It’s a kind of same for me to develop programs before.