

Login :

```
login (userID, password) {  
    u = user with index userID  
    if u exist{  
        If password of u is true{  
            If user is updated  
                Send message Login Successful for user  
            else  
                Send message Login Unsuccessful for user  
        }  
    Else  
        Send message Login Unsuccessful for user  
}  
Else  
    Send message Login Unsuccessful for user  
}
```

Logout :

```
logout (userID) {  
    u = user with index userID  
    if u exist and u is login{  
        if update u done  
            Send message Logout Successful for user  
        else  
            Send message Logout Unsuccessful for user  
    }  
    else  
        Send message Logout Unsuccessful for user  
}
```