

Changes in User Authentication

Implementing two factor authentication for logins – Username Password and IBeats Code

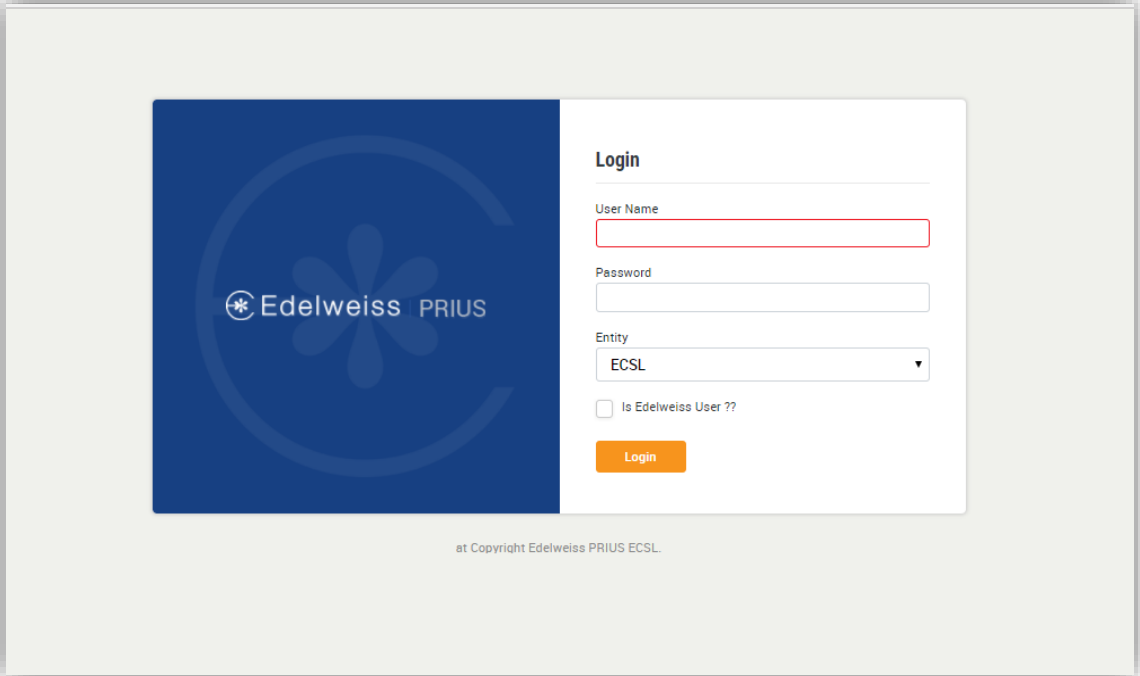
1. For Second time and subsequent login Users

- First level authentication – Enter Username, password.
- After three unsuccessful login attempts, user needs to enter username, password and Captcha.
- Wrong captcha displays the error of incorrect captcha. This can be refreshed and entered again. This doesn't change the number of login attempts
- After five incorrect login attempts, user will be blocked for 30 mins
- If User enters the correct login credentials, then there is a **second level of authentication**. Here the User needs to enter IBeats code.
- There are three attempts allowed for entering the correct IBeats code. After three unsuccessful attempts they will be re-directed back to the main login screen.
- If both the first and second levels of authentication are crossed successfully, the user is logged into the system.

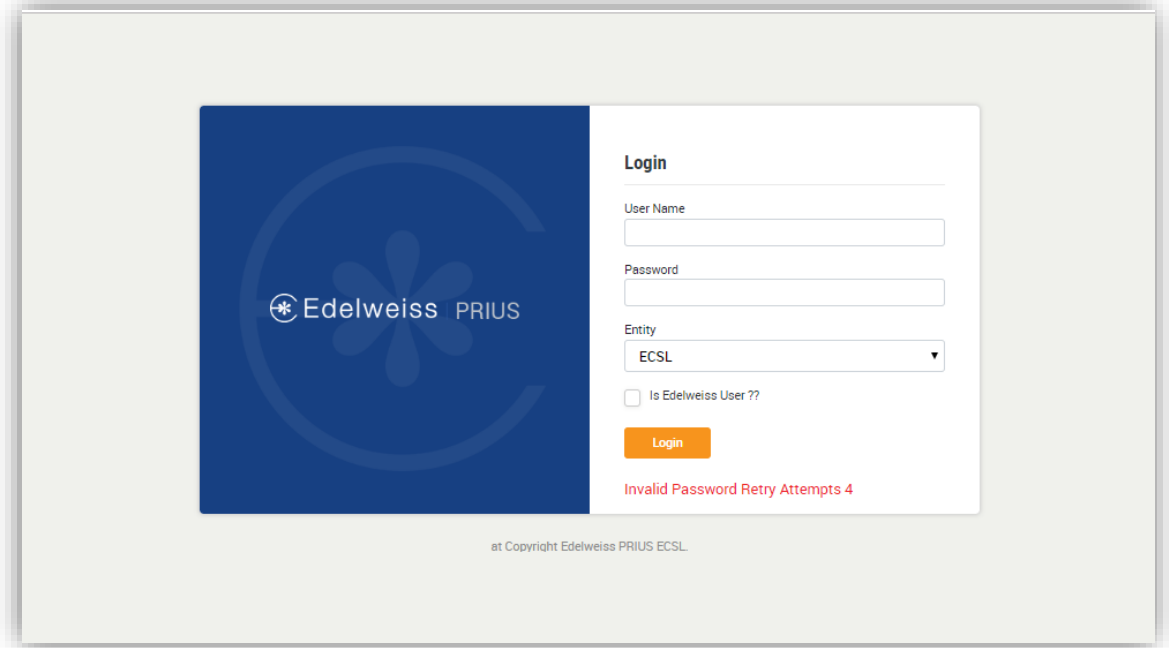
Please refer to the screenshots below with Login examples:

I. First level Authentication

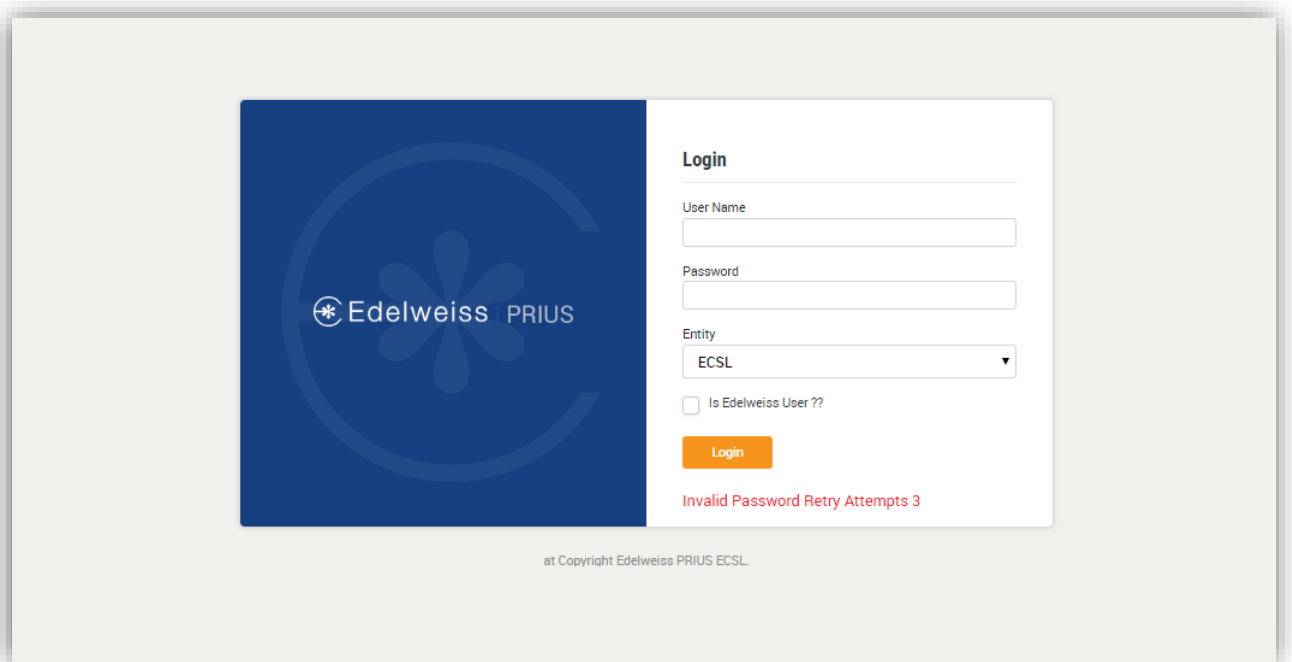
- a. First attempt Login screen



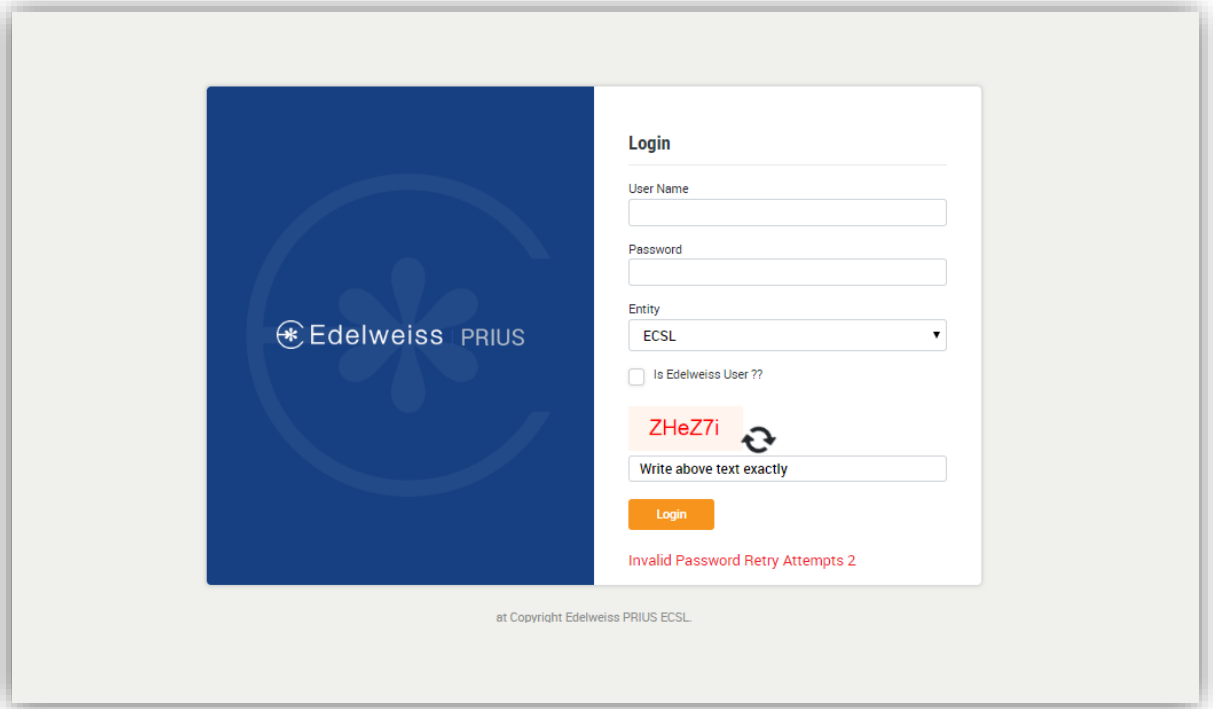
- b. Second Attempt with incorrect password



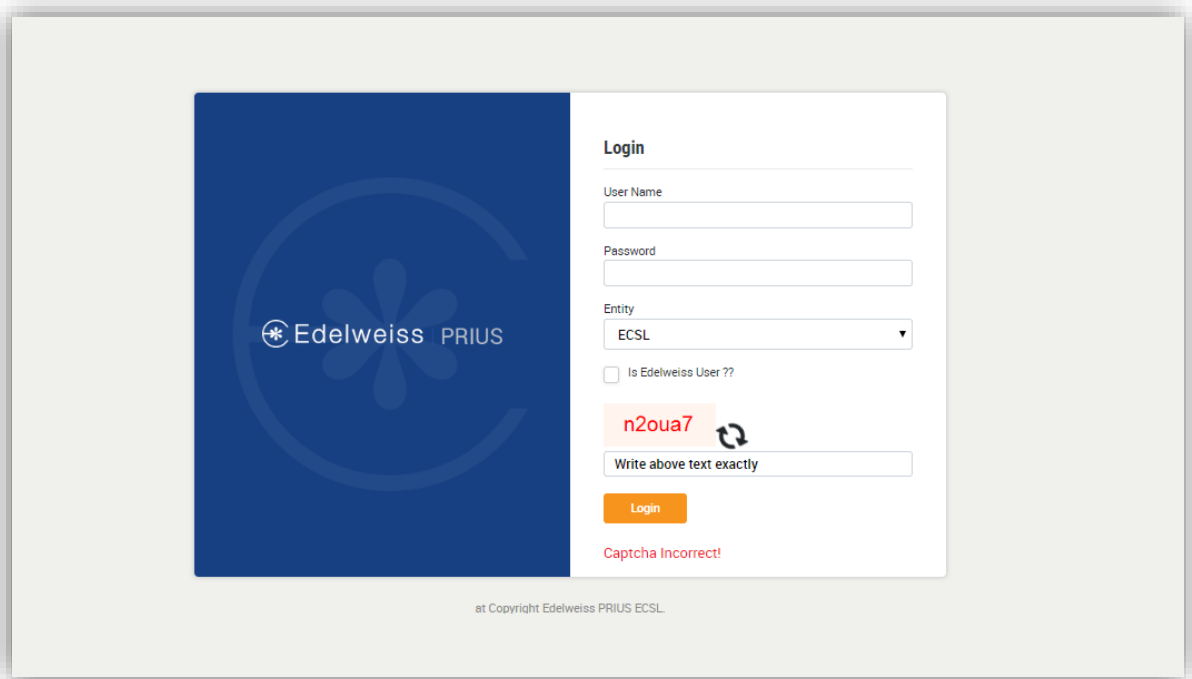
c. Third Attempt with incorrect password



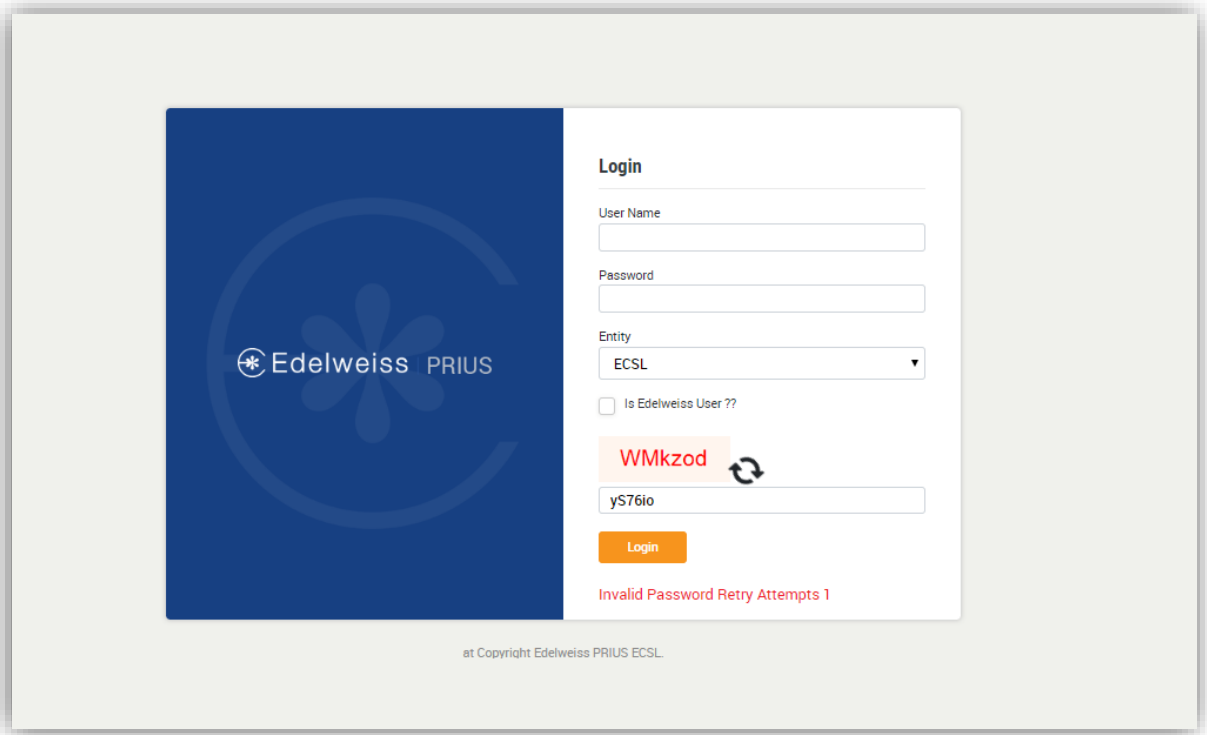
d. Fourth Attempt with incorrect password



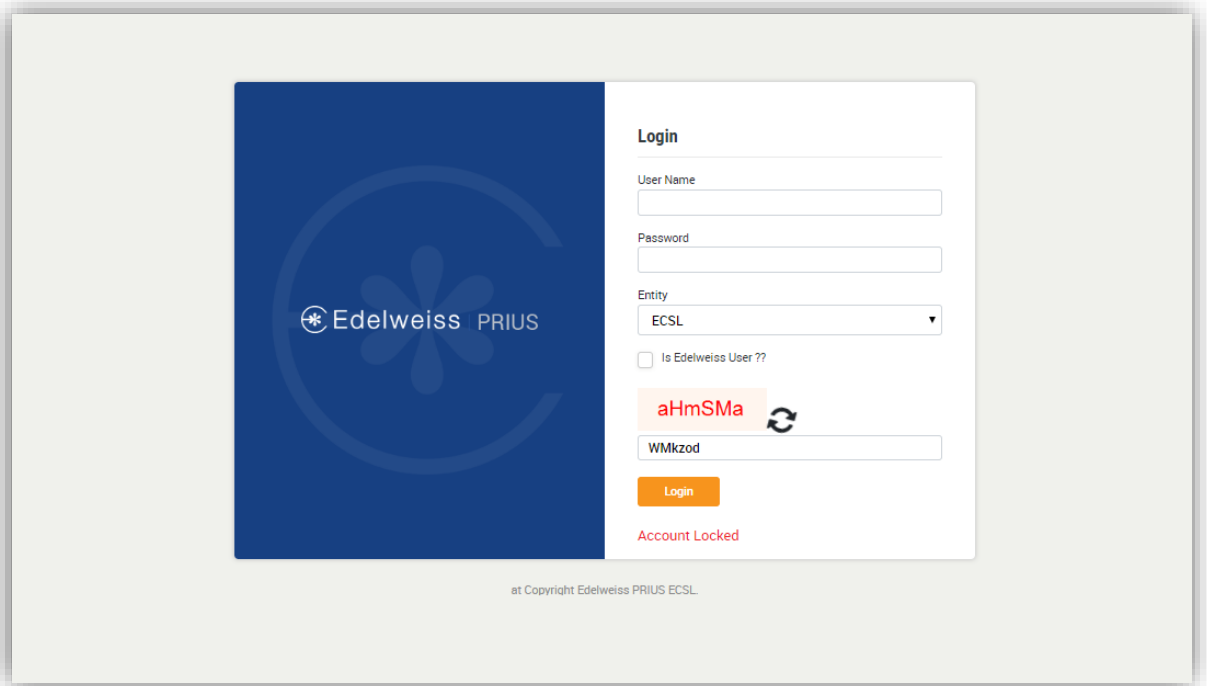
e. Fifth Attempt with incorrect captcha and correct password



f. Fifth attempt with correct captcha but incorrect password

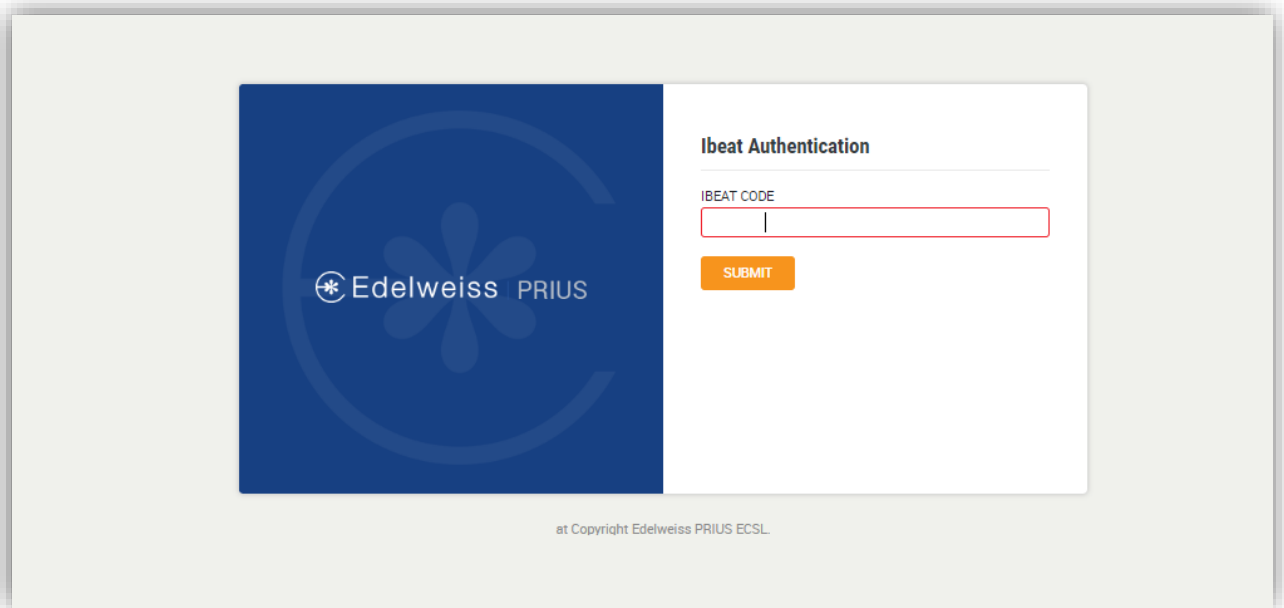


g. Account Locked message display

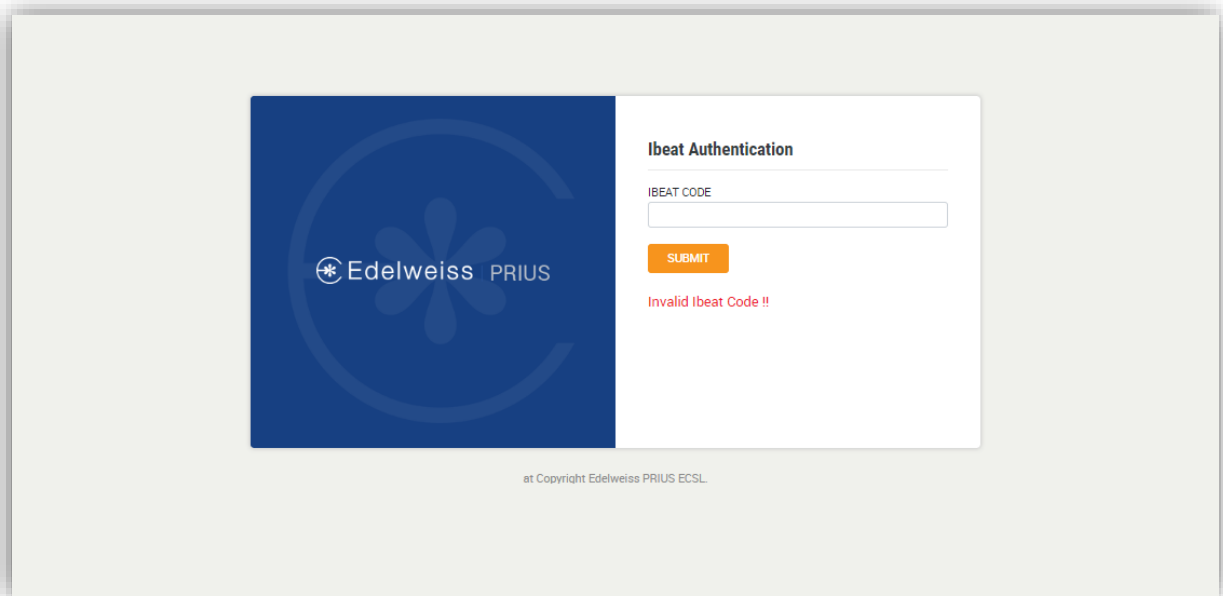


II. Second level Authentication

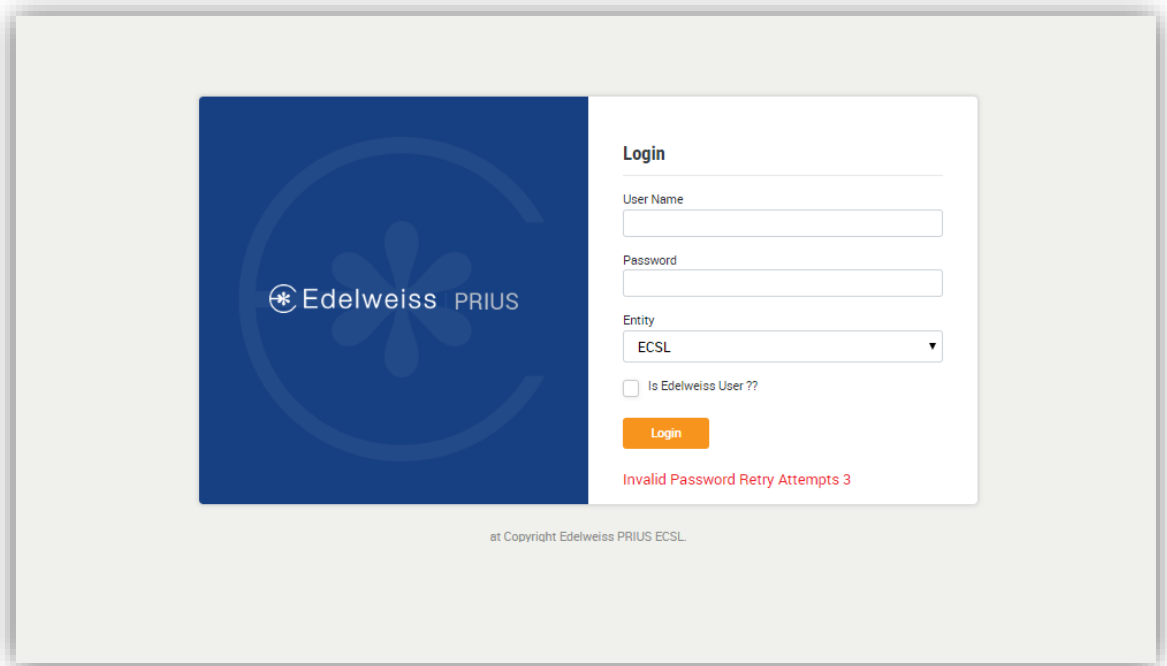
- a. First attempt with incorrect IBeats Code



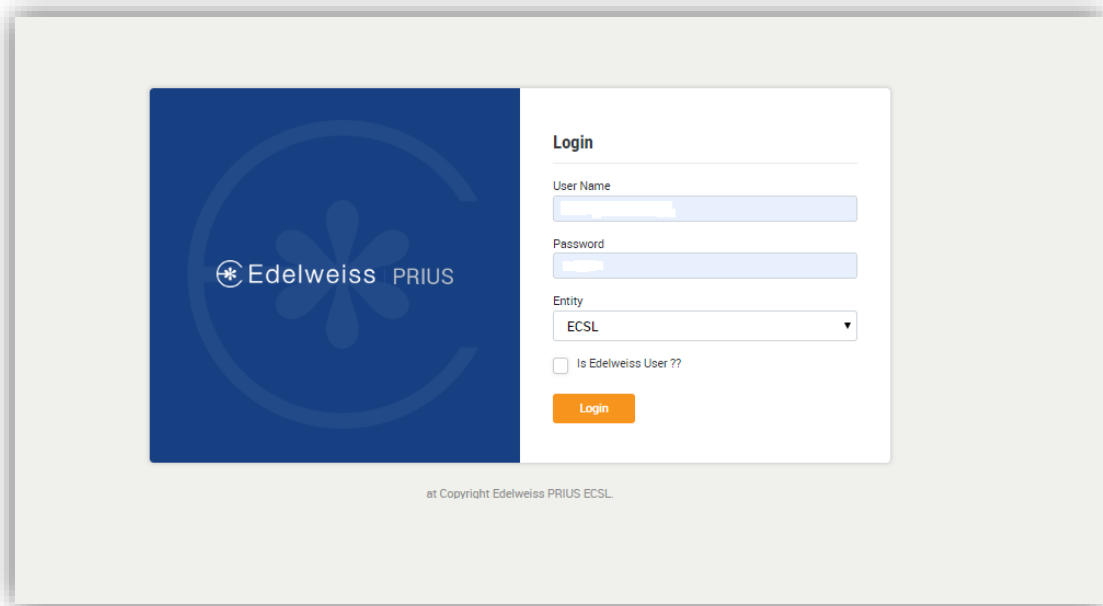
- b. Second attempt with incorrect IBeats Code



- c. Third attempt with incorrect IBeats Code



d. Re-directed back to the login screen



2. For First time login Users

- First level authentication, Enter Username, Password and Captcha.
- Up to five login attempts are allowed. Login attempt fails on entering incorrect credentials.
- After five incorrect login attempts, user will be blocked for 30 mins.
- Wrong captcha displays the error of incorrect captcha. This can be refreshed and entered again. This doesn't change the number of login attempts.

- If User enters the correct login credentials, then there is a **second level of authentication**. Here the User needs to enter IBeats code.
- There are three attempts allowed for entering the correct IBeats code. After three unsuccessful attempts they will be re-directed back to the main login screen.
- If both the first and second levels of authentication are crossed successfully, the user is logged into the system.

3. Login after Blocked attempt

- They will be treated as first time login users and the same rules will apply to them