**OCL of the class diagram**

1.       Every user must have a unique user id.

**Context** User

**Inv:** self.allinstances->for all (U1, U2 ->User, U1<>U2

                                  Implies U1.id <> U2.id)

2.       User must login once in 6 months in order keep his account active.

**Context** User: get\_login(a: date)

**Pre:** self.logindate <= 6

**Post:** login date = logindate@pre +1

3.       Admin deactivate user’s account if the user is not logged in for 6 months.

**Context** Admin

**Inv:** self .R6-> Reject (login date >=6)