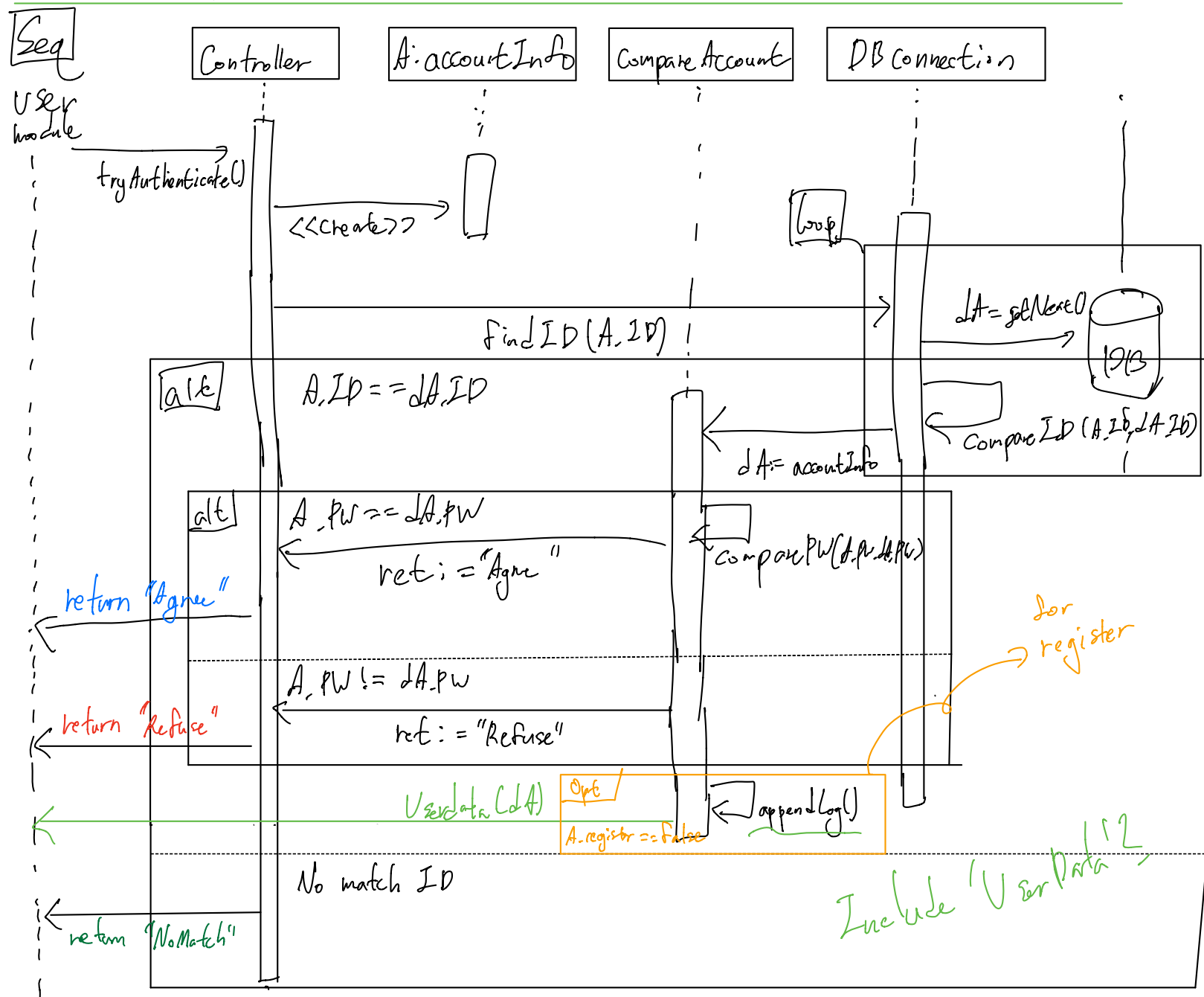# Use case 06 - Authenticate User

B: Controller

D: Database Connection → 암호화된 ID/Password가 DB에 존재하는지 확인

D: Compare Account → DB에서 찾은 AccountInfo과 비교

K: accountInfo → 암호화된 ID/Password + timeInfo
  VC-ISel Info와는 다름. ⇒ 다른이름?

Seq

Controller | A: accountInfo | Compare Account | DB connection

User module

tryAuthenticate()

<<create>>

loop

findID(A.ID)

dA = getNexe()

DB

alt

A.ID == dA.ID

Compare ID (A.ID, dA.ID)

dA := accountInfo

alt

A.PW == dA.PW

ret := "Agree"

Compare PW(A.PW, dA.PW)

return "Agree"

A.PW != dA.PW

ret := "Refuse"

return "Refuse"

for register

Opt

UserData (dA)

A.register == false

appendLog()

No match ID

return "NoMatch"

Include "UserData"

Seq. Var 1 : UserData 는 UserModule Connection 이식시 call

User module → **Controller** : tryAuthenticate()

Controller → A:accountInfo : <<Create>>

Controller → DB connection : findID(A.ID)

DB connection → DB module : dA = getNone()

alt
- A.ID == dA.ID
  - compareID(A.ID, dA.ID)
  - dA := accountInfo

  alt
  - A.PW == dA.PW
    - comparePW(A.PW, dA.PW)
    - ret : = "Agree"
    - return "Agree"
  - A.PW != dA.PW
    - ret : = "Refuse"
    - return "Refuse"

  opt A.register == false
  - appendLog()
  - saveLog(dA)

  UserData(dA)

  for register

- No match ID
  - return "NoMatch"