Authentication Sequence Diagram

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User

:AuthenticationSystem

:Register

:Login

:SQLite

authenticate()

Alternative

Username and password are valid

register(username, password) → storeUser(username, password) →

← registrationSucceeded(true) — ← — — userStored(true) — — —

Username or password are not valid

invalidRegistration(username, password) → storeUser(username, password) →

← registrationSucceeded(false) — ← — — userStored(false) — — —

Alternative

Username and password match data stored in the database

login(username, password) → checkUser(username, password)

← — — loginSucceeded(true) — — — ← — — userFound(true) — —

Username or password are not valid

invalidLogin(username, password) → checkUser(username, password)

← — loginSucceeded(false) — — — ← — — userFound(false) — —