Task 3

Task 3 requires you to implement the storage of a password in a database. This database is a sqllite-based and holds user data consisting of a user name and a password. The project’s main class implements one constructor and three methods. The constructor establishes the connection to the database. Method *addUser()* adds the passed user to the database with the password also passed to the method. However, currently, the method lacks any processing of the password and stores it as plaintext into the database. The second method *retrievePasswordAsStoredInDB()* requests the password of a given user from the database. Lastly, method *verifyPassword()* implements a verification of a given user/password pair. As passwords are stored in plaintext, it currently only performs a simple equals check for the retrieved password vs. passed password suffices.

Implement both the processing of the password to store it in the database as well as the correct verification.

You can check your implementation at any time, by running the three test cases in TaskThreeTest. Currently, one of them fails. Only when all of them are passing, your implementation counts as functionally correct.