Signature: + addUser(user: String, pwd: String, type: String, id: String) user is username; pwd is the user’s password; type is the user’s type; id is the user’s id. The method is trying to add the input user along with all his/her information.

Preconditions: user, pwd, type and id are not null

Postconditions: Add user information into database

Invariant: the database needs to have great than or equal to zero user

Frame Condition: The stored user information is not modified.