

CS 408 Assignment 1 Grading Details

Creating Accounts

Server: [50]

- [10] 1. Server has to handle **multiple** clients simultaneously.
- [10] 2. When the server application is closed (even abruptly), nothing should crash!
- [5] 3. The port number on which the server listens is **not to be hardcoded**; it should be taken from the Server GUI.

GUI Messages: [25 Points]

- [5] 4. Report an error message on server GUI if the username reside in the user database such as **"An account with the username A already exists!"**
- [5] 5. Report a message on server GUI if the username doesn't reside in the user database such as **"A has created an account!"**
- [5] 6. If a wrong port number is entered in the server application (not integer etc.), error in the GUI should appear such as **"Check the port number!"**
- [5] 7. When a client disconnects, a message should appear in the server GUI such as **"A client has disconnected!"**
- [5] 8. When a client connects, a message should appear in the server GUI such as **"A client has connected!"**

Client: [50]

- [5] 1. The password of the client should be in a hidden form.
- [5] 2. The client should be able to disconnect.
- [5] 3. The port number and IP are **not to be hardcoded**; it should be taken from the client GUI.
- [5] 4. When the client application is closed (even abruptly), nothing should crash!

GUI Messages: [30 Points]

- [5] 5. Report an error message on client GUI if this username has an account in the database such as **"There is already an account with this username!"**
- [5] 6. Report a message on client GUI if a new account is created such as **"You have created a new account!"**
- [5] 7. If a wrong port number is entered in the client application (not integer etc.), error in the GUI should appear such as **"Check the port number!"**
- [5] 8. When the client disconnects, a message should appear in the client GUI such as **"Successfully disconnected!"**
When the client connects, a message should appear in the client GUI such as **"You are connected!"**
- [10] 9. If any of the information field of the user is empty, a message on client GUI should appear such as **"Please enter a surname!"** etc.