

CIS 501 Team 6 - Final Project

Use Case Realization

Add a new contact:

- User A enters a contact name (e.g. b) into the chat view form.
- The contact name, b, entered is passed to the client controller.
- Client controller checks to see if a contact with the name b already exists in Client A's contact list stored in the Client Model.
 - If a contact with the name b exists in the client model: notify user in the view that contact already exists in contact list.
- If the name does not exist in Client A's contact list the client controller passes the name b to the server controller.
- The server controller checks to see if an account exists in server S with the name b.
 - If a client with name b exists in the server model: the server controller notifies and passes the value for the client controller to add b to Client A's contact list
 - If a client with name b does not exist in the server model: the server controller notifies Client A's controller which notifies the user that b does not exist
- The client controller updates the view form showing the addition of the new contact.

Log out:

- User A presses the logout button in the client view form.
- Client A's controller is notified, which notifies the server controller of the status change.
- The server controller changes user A's online/offline status in the Server model
- The server controller notifies all client controllers of the status change that contain A as a contact.
 - Each controller will update the status of user A in their client view form
 - If chat is open - default message is sent in the chat window that notifies of offline status
- User A's client exits program