

Add new contact

- *User clicks button requesting to add new contact.
- *'Add new contact' form is displayed, requesting name of new contact.
- *User enters username of contact they wish to add, then clicks 'Ok' button.
- *Username is sent to the controller for validation.
- *If username is valid, the controller creates a Json packet containing the username and sends it to the websocket
- *Websocket sends the Json packet to the server application.
- *The server responds with a Json packet indicating whether the contact was added.
- *The controller unpacks the Json packet to identify the result.
- *If the packet indicates that the request was successful, the controller updates the contact data in the client's database.
- *The controller notifies the client view form that the contact was added so that it can display the information to the user.

Logout

- *User clicks the 'logout' button.
- *View form tells the controller to send logout request.
- *Controller creates Json packet to notify server of logout.
- *Controller sends packet to Websocket to send to server.
- *Controller clears contact data from client database.
- *Controller notifies main client view form to hide and show the login form.