Use Case: Login

Actor: User

1. The User enters their username/password
2. The System receives the User’s username/password and validates it
3. The User successfully logs in and is presented with the “Contacts” options

Entry Condition:

None, first use case

Exit Condition:

User is presented with “Contacts” options

Use Case: LoginError

Actor: User

Related Use Case:

Extension of: Login. Extension Point occurs at step 2.

1. The System receives the User’s username/password, determines that it is not valid, and requires the User to re-enter their username/password.
2. The User re-enters their username/password.
3. The User successfully logs in and is presented with the “Contacts” options.

Use Case: CreateAccount

Actor: User

1. The User enters their desired username/password, then re-enters their password for confirmation.
2. The System receives the User’s username/password and creates an account for the User.
3. The User is sent back to the first page and prompted to login. The “Create User” option is disabled.

Entry Condition:

None, first use case

Exit Condition:

User is presented with first page with the “Create User” option disabled.

Use Case: ViewContacts

Actor: User

Related Use Case:

Inclusion of: Login.

1. The System presents the User with a list of their contacts and options to: delete a contact, add a contact, chat with a contact, or log out
2. The User selects an option.
3. If the user selects a contact, they may then delete the contact.
4. If the user selects “Add Contact” a textfield appears for the User to enter the new contact’s name.
5. If the User selects “Log Out” the will be sent back to the Login page.
6. If the User double clicks a contact to view their conversation with the contact and continue to message the contact.

Entry Condition:

Login

Exit Condition:

User is presented with either the Login page or the Conversation page for the selected contact.

Use Case: DeleteContact

Actor: User

Related Use Case:

Extension of: ViewContacts. Extension Point occurs at step 3.

1. The System receives the User’s command to delete the selected user.
2. The System deletes the user.
3. The User is shown an updated list of contacts with the deleted one removed.

Use Case: AddContact

Actor: User

Related Use Case:

Extension of: ViewContacts. Extension Point occurs at step 4.

1. The System receives the User’s command to add a new contact.
2. The System displays a textfield to allow the User to enter a name for the contact.
3. The User submits the name for the contact.
4. The System hides the textfield from the User.
5. The System creates the contact with the specified name.
6. The User is shown an updated contact list with the new contact added.

Use Case: Logout

Actor: User

Related Use Case:

Extension of: ViewContacts. Extension Point occurs at step 5.

1. The System receives the User’s command to logout.
2. The User is returned to the first page.

Exit Condition:

The User is shown the first page.

Use Case: ViewConversation

Actor: User

Related Use Case:

Extension of: ViewContacts. Extension Point occurs at step 6.

1. The System receives the User’s command to view their conversation with a selected contact.
2. The User is sent to their conversation page for the specified contact.

Exit Condition:

The User is sent to a page containing their conversation with the contact they selected.

Use Case: SubmitMessage

Actor: User

Related Use Case:

Extension of: ViewConversation. Extension Point occurs at step 7.

1. The System receives the User’s command to submit a message to the contact.
2. The System sends the User’s message.
3. The System clears the message pane.
4. The User is shown an updated conversation pane containing their new message.

Use Case: ReceiveMessage

Actor: User

Related Use Case:

Extension of: ViewConversation. Extension Point occurs at step 7.

1. The System receives a message from the contact.
2. The System adds the message to the conversation pane.
3. The User is notified of the

