

OpenComm Design Version 2:

October 15, 2011

Overall objective: We aim to build on Design Version 1, keeping the same overall design, but adding many backlogged items and implementing a clean overall look and feel. A theme in the look and feel is consistency. We use the same font, a simply color scheme and all geometric shapes.

Main Window:

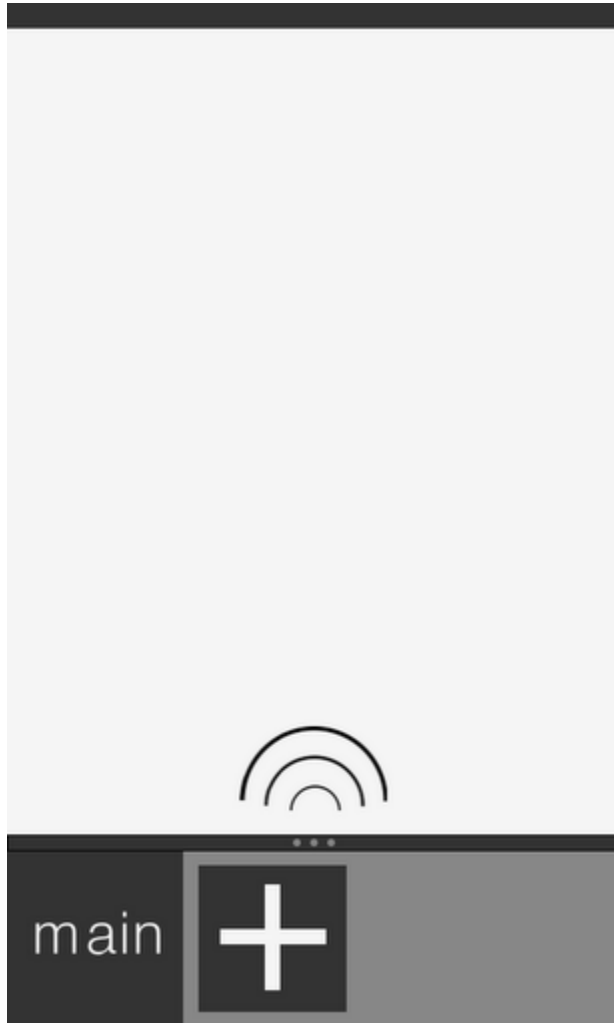


Figure 1: Main window

The main window's action bar will be hidden in favour of it being popped up upon pressing the Menu key. This will give us more real estate to place icons, as well as making the application less cluttered.

Icons:

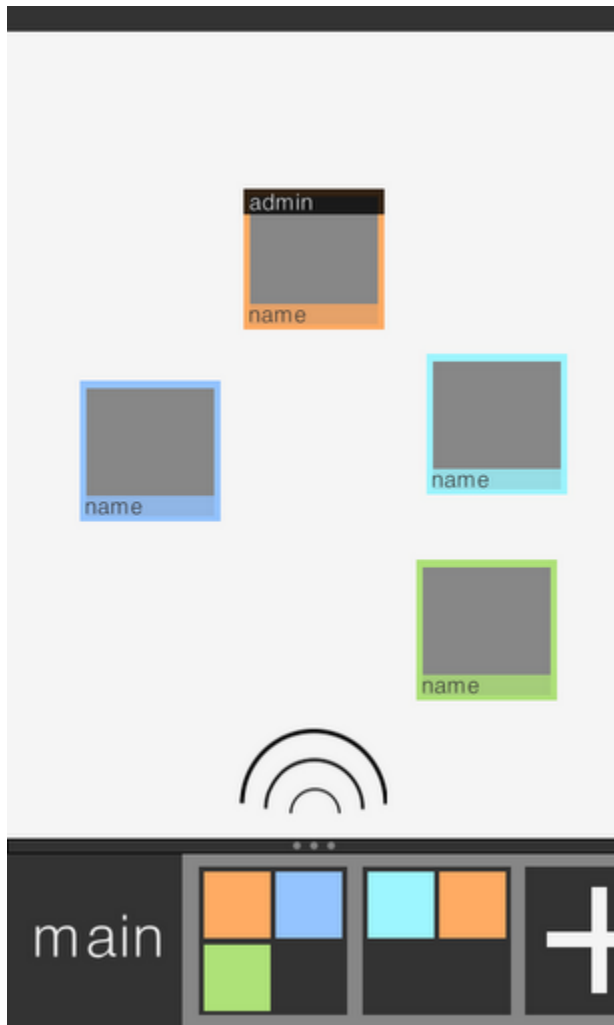


Figure 2: Main window with icons

There are some icon changes. There will be colored borders around all sides of the icon. This allows the private space previews to be implemented. Each user will have a colored overlay for their names on the bottom of the icon. For the moderator, he will additionally have the word "Admin" in a black overlay on the top of his icon.

Menu key:

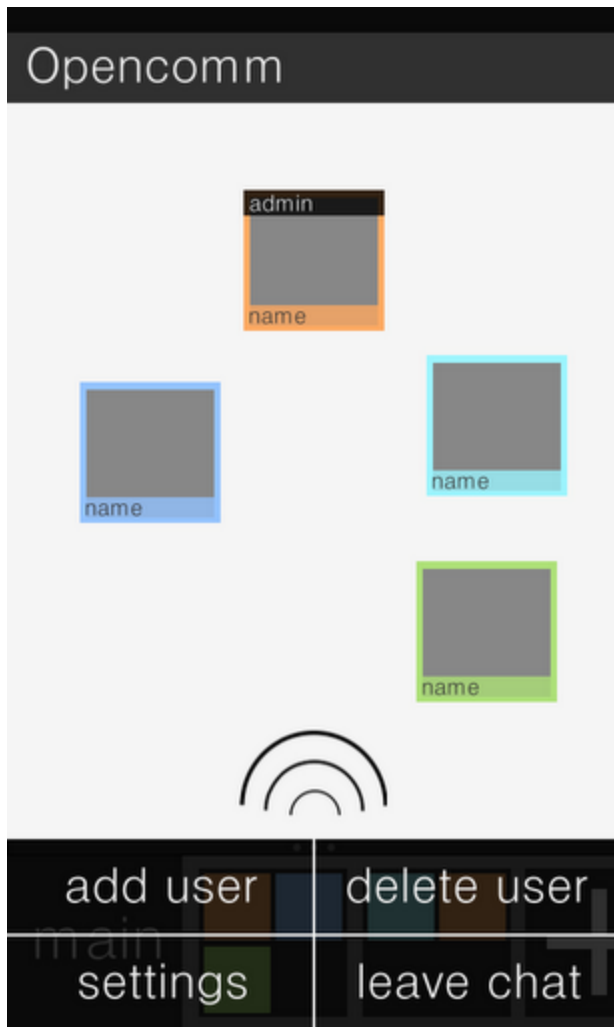


Figure 3: Main window, menu key

Pressing the menu key will pop up a 2x2 menu on the bottom, with the buttons Add, Delete, Settings and Leave Chat. The actual buttons does do anything at the moment. (Backlogged)
The Action Bar, initially hidden, should reappear upon pressing the Menu key.

Look and feel:

There is a general look and feel we'd like to implement based upon Joey's design. This includes a color scheme, a specific font and stylistic choices.



Figure 4: private space previews

Also added will be the private space previews. The previews will be in the form of perfect squares, with each box a color corresponding to the color of an user currently in the conversation.

Confirmations:

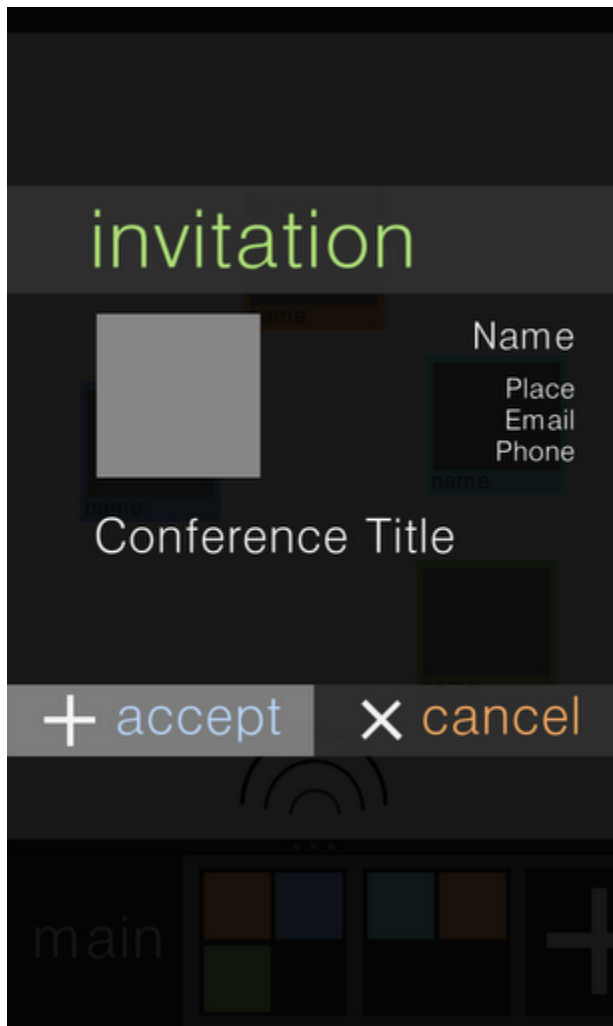


Figure 5: Invitation confirmation

Users being added to a chat room will have a two button confirmation overlay with the relevant information and an option to accept or reject request.

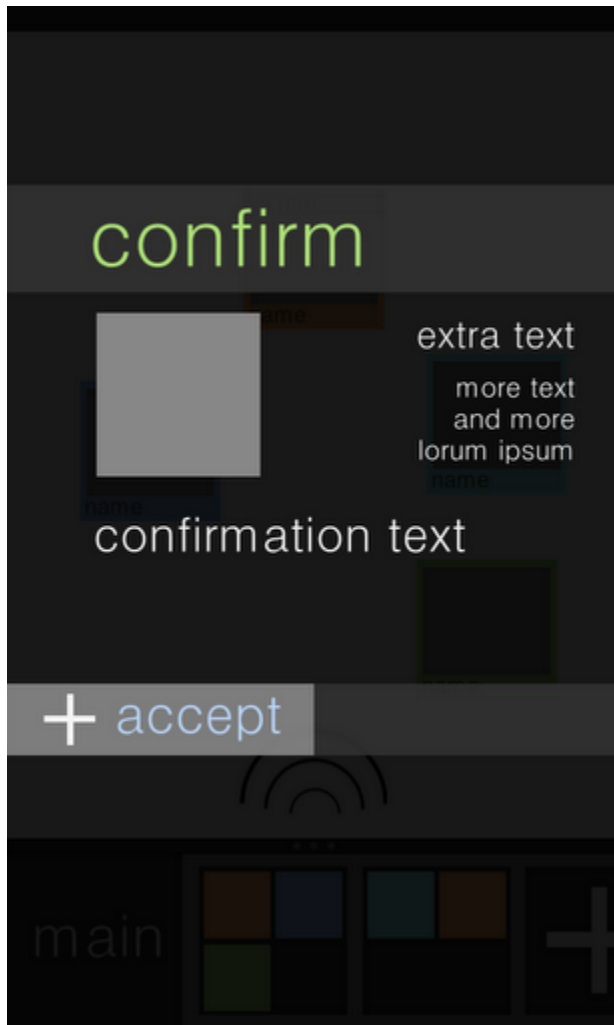


Figure 6: General 1 button confirmation

Users being deleted or leaving a private space will have a one button confirmation overlay with relevant information. This overlay also puts the user's mic on hold: his voice is not transmitted until the confirmation to rejoin conference is received.

Add multiple users:

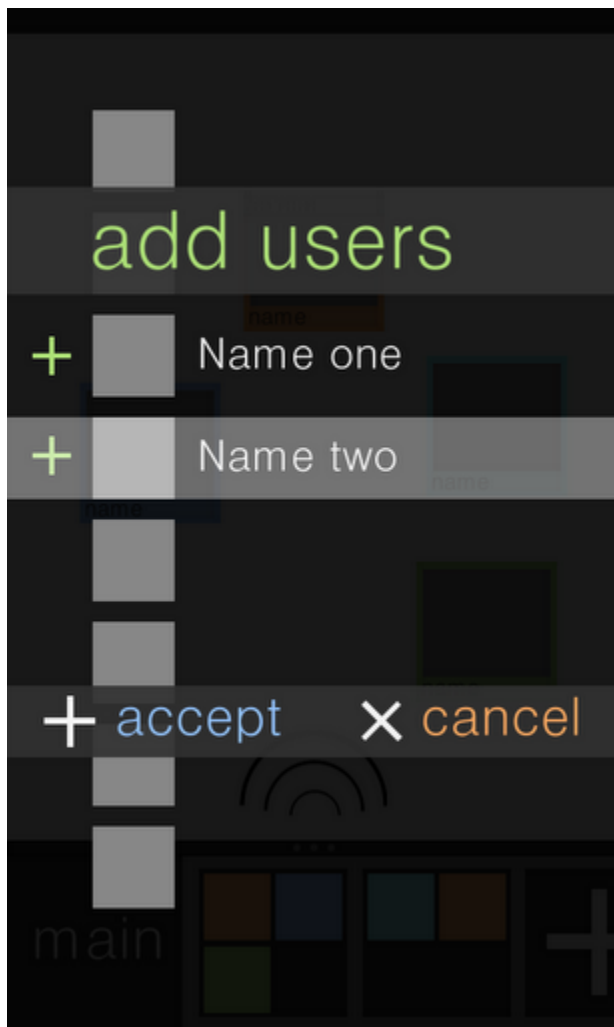


Figure 7: Scrollable multi-select list

Upon holding down an empty spot, a multi-select scrollable list will pop up. Names of appropriate contacts is displayed.

To add multiple users, a checklist system is used. The each name on the list can be checked, and there is an "Add" button on the bottom to confirm.



Figure 8: Staggered icons

If multiple people are added to the same empty spot, the icons appear staggered to each other. This allows users to relocate the additional icons to appropriate locations. The direction of the staggering will depend on where the icon is added. By default, the stagger will be to the southeast direction. However, if the staggered icon will be out of bounds, the stagger direction will automatically change. (Eg. If there is no room in the southern direction, it will stagger north instead.)

Administrative Issues:

We decided to have one moderator per room. The moderator has the ability to add and delete person. As well, the moderator approves all add requests from other users. Initially, the moderator is the person creating the room or private space.

Upon exit:

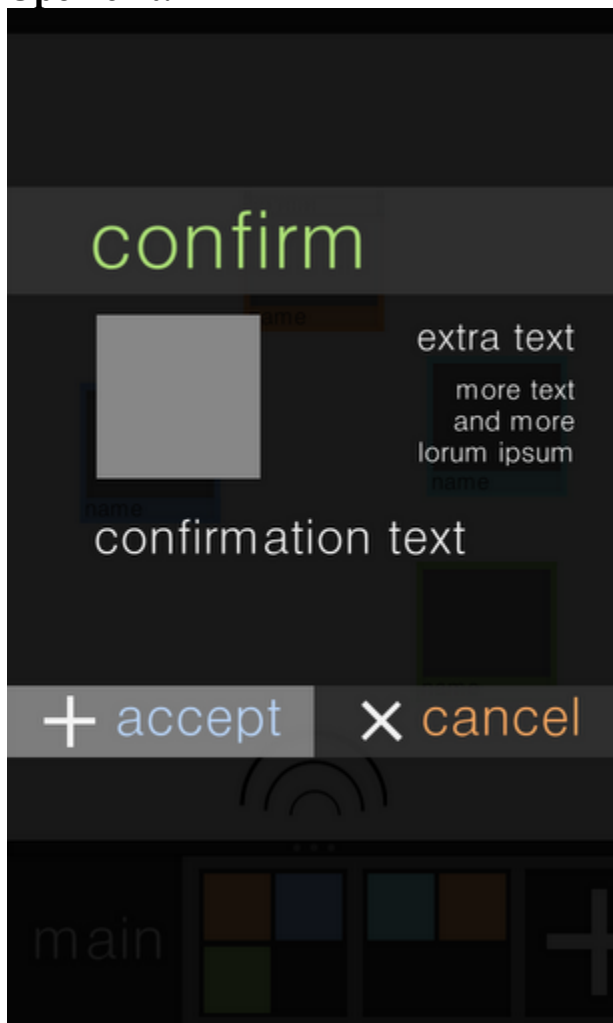


Figure 9: General 2 button confirmation overlay

Upon the moderator leaving, he is presented with a two button confirmation overlay. The overlay is also serves as a general two button confirmation overlay, which can be re-used.

This specific overlay will have two options: close room or assign new mod.

The first option, close room, will kick everyone in the conversation in addition to exiting the moderator.

To assign new mod:

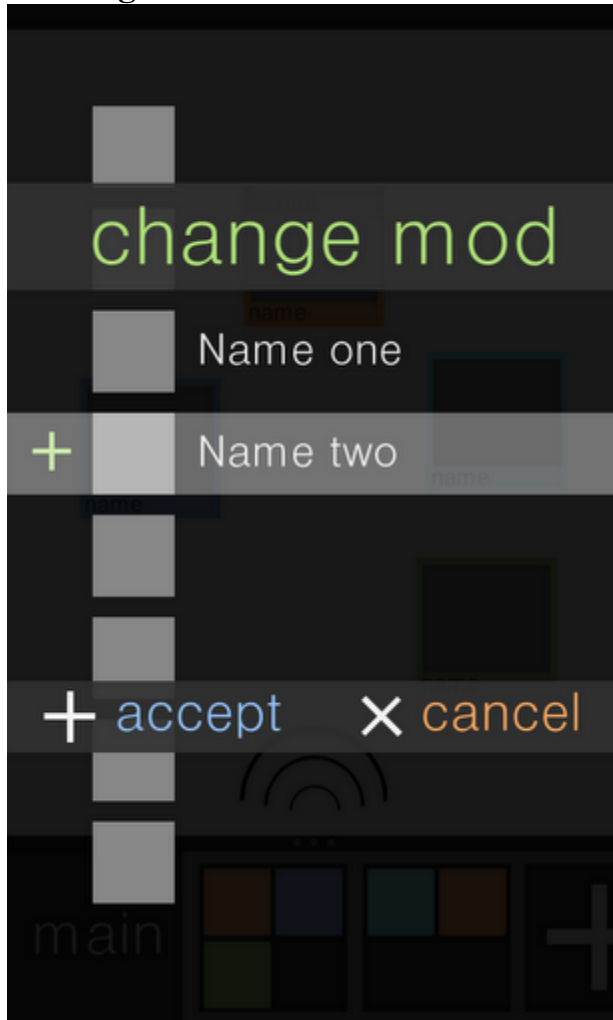


Figure 10: Scrollable single-select list

The second option, assign new mod will show a scrollable list. The list is populated with the occupants of the chat room. The moderator can choose an occupant to inherit mod power upon leaving.

To solve the issue of adding contacts not on the moderator's buddy list, the ability to add a user, pending moderator confirmation, is granted to the rest of the users. The process is identical to the moderator adding users. The moderator will then have the final word on whether the contacts are added to the conference or not via a two button confirmation overlay with the appropriate text.

Backlog:

- Login screen/some starting point for the application/dashboard
- How to turn to portrait mode
- How to handle text chat (will have to do with action bar)
- Tactile feedback
- Audio feedback
- Ways to show who is in what private space without actually having to preview all of them (via colors)
- Dragging icon directly into private space
- Search button
- Private messaging
- Overlays for preview and for where you're going to add someone
- Auto-spatialize (reorganize icons)
- How to handle admin crashing/emergency disconnection
- Background and multitasking nature
- Handling multiple invitations
- Home screen
- Notifications and tips (especially for non-admin user adding a contact - he needs to know that the add button requires admin clearance)
- Action bar items
- Menu items
- Quick and multiple delete
- Dimming of spaces that user is not currently in
- Scalable icon sizes
- Plus button on empty spaces

Deliverables:

-Still based on a 480x800 screen

-Color scheme:

#878787 light grey
#333333 dark grey
#F5F5F5 off white
#AEE278 green
#FFAB63 orange
#94C4FF blue
#9DF6FF teal

Font: Datum

Theme: All system text will be lowercase. User inputted text can be whatever.

There are many small pixel number changes in the overall design, but the general placements of icons are similar to the last design.

Main window:

1. Hidden action bar of 72 pixels height. Located flush against Android bar. Color: dark grey. Text: Left aligned, words "OpenComm". Font-size: 28 point.

Menu Key: (Refer to Figure 3)

1. Upon press, reveal action bar. Hide upon a second press.

2. Upon press, pop out 2 by 2 menu of 480 x 150 pixels. Insert 2 pixel wide crosshair with off-white color. Equally divides area into 4 regions. Color: dark grey. Opacity: 80%. Text: off white. Hides upon second press.

Add user	Delete user
Settings	Leave Chat

Headings will be:

Look and feel:

1. The icon total size will now be 110 x 110px. There will be a 5px colored border on all sides. Picture of icon size = 100x100px. (Figure 2)

a. All overlays for the icons are 80% opacity of border color. 4 colors: blue, green, teal, orange for names currently, black for admin overlay. They are 20px in height, from the top for the admin, from the bottom for the name.

b. picture icon: light grey placeholder.

c. Font size - 13 point.

2. Main box: 138x138px. Align left. Color: dark grey. (Figure 2)

a. Word "main" of main box: 34 point, centered vertically + horizontally, color off white.

3. Private space preview boxes: 116x116px. Color: dark grey. Horizontal margin between boxes:12px. Boxes centered vertically. (Figure 2)

a. Preview squares: 4 colors(teal, blue, orange, green), 52x52 px. 4 pixel border between each of the squares. Squares centered on each quadrant. (Figure 4)

b. Background around private space preview box. Color: light grey

c. Plus button, line width 12px, 83x83px overall dimension. Color: off white. Centered vertically and horizontally in a private space box.

8. Separator bar between conversation space and bottom area. 13 pixel height. Color: dark grey. 1px black border on top and bottom. (Figure 1)

9. 3 circles on separator bar: 3 pixel radius circle. Color: light grey. Center to Center distance: 14px. First circle centered horizontally and vertically (Figure 1)

10. Background for conversation space. Color: off white (Figure 1)

11. Two button confirmation overlay for accepting invitations. Color: Black. Opacity:90% overlay applied to entire screen. (Figure 5)

a. Header bar: word "invitations", 84px vertically, as wide as screen horizontally, 140 pixels from top of screen. Color: dark grey. Opacity: 90%. Font-color: green. Font-size: 47. Text: left justified, margin of 70 pixels from the left.

b. Button bar: 56px vertically, as wide as screen horizontally. 214 pixel from bottom of screen. Color: dark grey. Opacity: 90%. Upon clicking, white color, 40% opacity overlay on button. Font-size: 31px

i. Button1: Left half of horizontal space. With: "(Plus sign)accept". Color: blue. graphic and text centered horizontally and vertically.

a. Plus sign: 40 x 40px, 5px line width. Color: off white.

ii. Button2: Right half of horizontal space. With: "(X sign) cancel", Color: orange. same dimensions, same justification.

- a. X sign: Plus sign in a). Rotated 45 degrees.
 - c. Icon: 100x100px icon. Color: light grey (placeholder for actual image). Aligned horizontally with heading text. 16px distance between icon and bottom of headings bar.
 - d. Text below icon: 28 point font, placeholder words "Conference Title". Aligned horizontally with headings text. 32px distance between text below icon ("Conference Title" here) and bottom of icon. Text-color: off white.
 - e. Biography box:
 - i. 22 point font for name heading, placeholder word "Name". Right justification. 36px between rightmost letter and right edge.
 - ii. 15 point font for name information, placeholder words "Place, Email, Phone", each on separate line, justified same as name heading.
- 12. General one button confirmation overlay (Eg. For limbo after exiting private space). Exact same dimensions of #5. Button 2 removed. (Figure 6)
 - a. Current placeholder texts: Text below icon: "confirmation text". Name heading: "extra text". name information: "more text, and more , lorium ipsum"
- 13. General two button confirmation overlay (Eg. when moderator leaves private space, he can select between "assign new mod" and "close room": Exact same text as #12, with button 2 added. Same placeholder text as (Figure 9)
- 14. Voice icon indicating self location: picture sent to Nora, centered horizontally, 20pixel from the bottom. (Figure 1)

Add Multiple Users:

1. Multi-select scrollable list, for adding multiple users: Same properties as single select scrollable list (Found on #2, Administrative Issues), but multiple green plus signs can appear. (Figure 7)
2. Staggered add: If more than one contact is selected in the checkbox, the icons will be staggered 20% of icon size both vertically and horizontally. The default direction of stagger will be southeast. If there is not enough room in the default direction, the stagger will automatically change direction before the icons appearing. (Eg. if in southeast direction, the south direction will not fit, it will go northeast instead) (Figure 8)

Administrative Issues:

1. Implement administrative privileges - only admin can add and remove from chat directly.
2. Single select scrollable list, to assign new mod when moderator leaves. background: 90% black opacity overlay over entire screen. Same Header Bar and Button Bar locations as confirmation overlay. Header words: "change mod". (Figure 10)
 - a. Icons: 64 x 64px. Above background layer. Below headings layer. Horizontally justified same as header text. 16px vertical margins. Icons repeat entire vertical space. (Including behind headings). Placeholder color: light grey.
 - b. Icon-names: 18 pixel to the right from icon, centered vertically according to a 64px horizontal box enveloping the icon. Font size: 25 point. Font-color: off white. Placeholder texts "Name One", "Name two" for two icons below header.

c. On press of item in list, a white 40% opacity overlay is applied on the 64px horizontal box
d. On select of item in list, a green plus sign is shown. Dimensions 30x30px, line width 4px.
Horizontally centered between picture and edge, vertically centered according to picture. The white 40% opacity overlay is eliminated. Limit of 1 plus sign, thus single select.

3. Add requests - Other users can add new people on their contact list to conference, but before the new people are added:

On admin page, confirmation overlay pops up, as per the general two button confirmation overlay, with placeholder text. (Figure 9)
This gives admin the power to accept or cancel the request.