SoundSense

Start Channel

Join Channel

1)Title screen

The first screen the user is presented with.

- Title label: Shows the user what app they opened and fills space on the mostly empty title screen.
- Start channel button: Tapping this button initiates the channel creation process by going to screen 2)
- Join channel button: Tapping this button initiates the channel joining process by going to screen 4)

This screen does not need any information from anywhere else.

Start Channel

Name | I say stuff |

Description | Very important stuff |

| Public | Private |

Password | |

Create Channel

Go Back

2) Start channel screen
Presents the user with a form to create a channel.
- Title label: Helps with navigation by showing the user what the purpose of the current screen is.
- Name text field: The user types in the name that they want their channel to be displayed as. Potential listeners may want to seek a specific channel, so the channel name helps with visibility of the channel.

- Description text field: The user types in a short description of their channel, which will be displayed with the channel name. Potential new listeners would want to see what the channel is about.
- Public/Private slider: Sets whether the channel will be a public or private channel. A public channel does not require a password to join, while a private channel does. When public is selected, the Password text field can't be interacted with, while it can be interacted with when set to private.
- Password text field: Allows the user to set a password for their private channel. The password is displayed as a series of dots rather than letters, to preserve privacy. Disabled when the slider is set to private.
- Create channel button:
    - When tapped, checks to see if the Name and Description text field are empty. If the slider is set to Private, also check if the Password field is empty. If any of these fields are empty, display an error message to the user saying what field they need to fill.
    - Otherwise, send a request to the server to create the channel. This will be handled by #11, which needs to send the name, description, whether the channel is private, and the password, which is empty if the channel is public. If there are any errors sent back from the server, display an error message describing the problem, otherwise go to screen 3) with the newly created channel opened.
- Back button: Go back to screen 1).
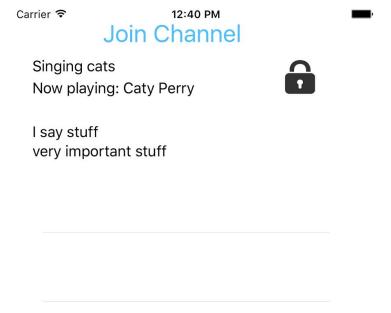
I say stuff

Broadcasting

6 people currently listening

Stop Channel

3) Broadcaster screen

Basic interface for broadcasting. Before this screen is open, the channel has to have been created and the channel broadcaster must be connected to it. With the screen open, the broadcaster can just talk into the device and have it broadcasted. Also, periodically get the number of listeners from the server and update the listener count, as handled by #12.

- Title label: Contains the name of the channel.
- Microphone image and label below it: When it is crossed out and showing "Muted", the broadcasting is muted, otherwise sound from the microphone is sent to the server. Tap the image to toggle between the two states.
- Listener count: Displays the number of users listening to the channel.
- Stop Channel button: Tap to stop the broadcasting, tell the server to remove the channel, and go back to screen 1).

Join Channel

Singing cats
Now playing: Caty Perry   🔒

I say stuff
very important stuff

Go Back

4) Join Channel screen
Provides the user with a list of currently active channels. Each channel in the list will have its name, description, and whether it is a private channel displayed. When this screen is opened, get the list of active channels from the server, as handled by #17. If unable to get the list, go to 1) with an error message.
- Title label: Helps with navigation
- Channels listview: Contains a list of views, each containing the channel name, description, and a lock if the channel is private. Tapping a channel in the list will go to 5) if it is a private channel, or 6) if it is not.
- Back button: Go back to screen 1).

Enter Password for:
Singing cats

Password   [   ]

Join Channel

Go Back

5) Password screen

If the channel the user selected is a private channel, the user has to input a password before joining the channel as a listener.

- Title label: Tells the user to enter a password, and displays the channel name of the channel that the user selected.
- Join Channel button: When tapped, display an error message if the password field is empty, otherwise go to screen 6).
- Back button: When tapped, go to screen 4).

Singing cats

6 people currently listening

Back to Menu

6) Listener screen
Send a join request with the channel and a password if the channel is private. This will be handled by #10. If the password for a private channel is wrong, go back to screen 5) with the error message that the password is wrong. If there are any other problems, go back to screen 4) with an error message. Otherwise, the sound from the channel will play while this screen is up and the broadcaster is broadcasting. Also, periodically get the number of listeners from the server and update the listener count, as handled by #12.
 ● Title label: Contains the name of the channel
 ● Speaker image: Is crossed when muted on the listener side, not crossed out when not muted. Tap the image to toggle between the two states.
 ● Listener count: Displays the number of users listening to the channel.
 ● Back to menu button: Tap to leave the channel and go back to screen 1).