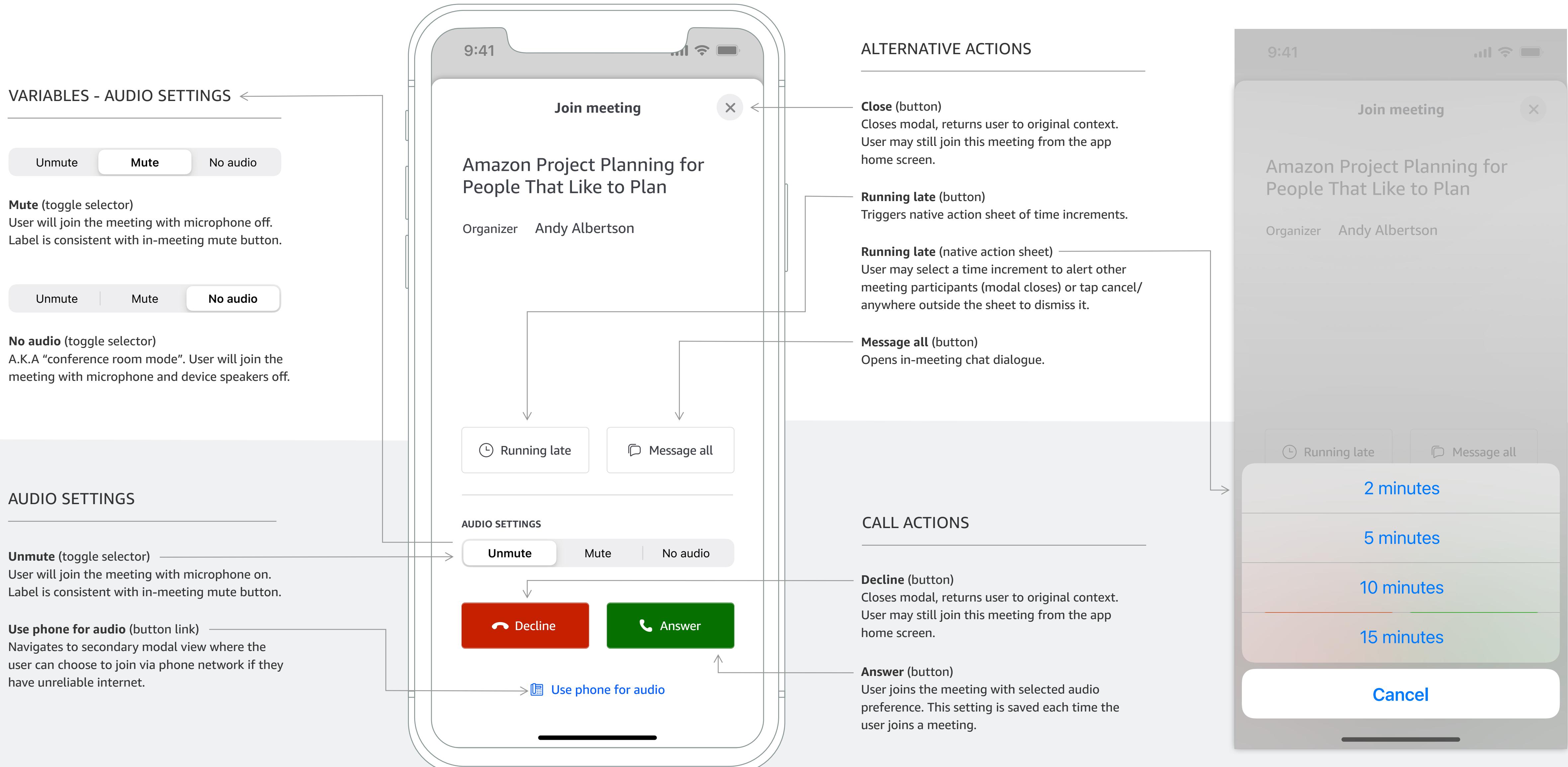


Incoming Call Screen Elements and Interactions

Auto-call enabled meetings and 1:1 calls appear as a full screen modal, covering app content. Users will join with their video OFF by default.



Meeting Controls Elements and Interactions

Controls must be omnipresent through entire meeting.
Testing confirms mute/unmute is most important for easy access.

TOP CONTROLS (A.K.A. THE ROOM)

Back to Chime app (view)

Returns user to Chime home screen without exiting the meeting.

Leave meeting (menu)

Pops open a confirmation for user to leave (if they are an admin, end the meeting).

Chat (view)

Opens a secondary view for the meeting chat.

"More options" (menu)

Stores all other options available to user.

BOTTOM CONTROLS (A.K.A. YOU)

Raise hand (toggle)

Sends in-chat alert user has "raised their hand". For 5.0, no queue.

Audio output (menu)

User can select from a menu between variables (list on right). This spot will always show the user's current output.

Camera (toggle)

Users can turn their video off and on.

Mic (toggle, animates)

Users can turn their mic off and on.
When it's on, it reflects their audio speaking state, like on roster. Also signals poor connectivity.

Active speaker (conditional)

Only shows current speaker name. In "Group" meetings, tapping on it takes you to "Spotlight" (p2, active speaker). Otherwise, no action.

VARIABLES - CHAT

Chat new messages, with count

	None
	(2)
	(12)
	Over 100

(alt) Chat new messages, no count

	None
	Any

VARIABLES - AUDIO OUTPUT

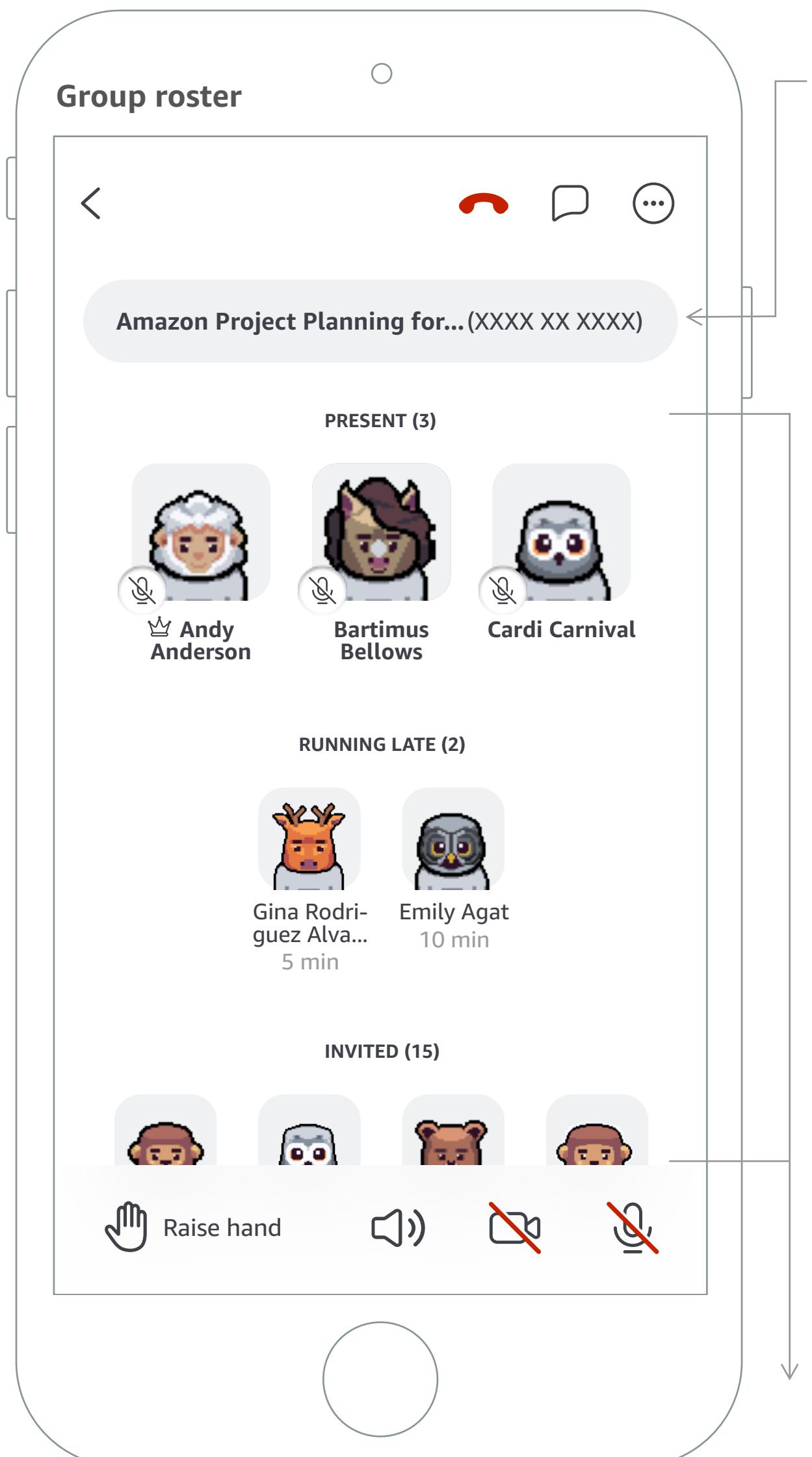
Full list below. Only show the user what's actually available to them.

VARIABLES - MIC OUTPUT

	Mic off
	Mic on
	Speaking - Quiet
	Speaking - Medium
	Speaking - Loud
	Poor signal - mic on
	Poor signal - mic off

Meeting View Roster (p1) Elements

Roster is the central starting screen to the meeting experience. At a glance, it lets users know who is in the meeting, which meeting it is, and who is currently speaking.



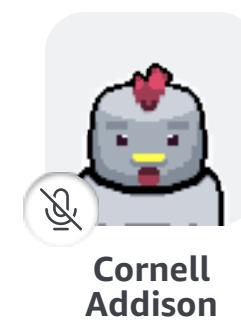
Bridge info

Marquee scrolling title with meeting ID in parentheses at the end. Tapping brings up complete bridge info.

ROSTER SECTIONS

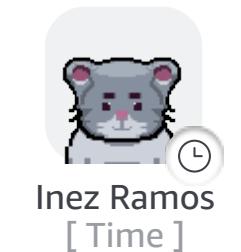
Attendees are grouped according to the following categories:

Present



Participants logged into the meeting, will usually have audio/video

Late



Participants that have selected "Running Late" on the Join screen.

Others

Dropped > Left > Declined > Invited



Participants that aren't in the meeting for various reasons.

VARIABLE - BRIDGE INFO

Instant meeting

Andy Anderson's Conference Bridge (XXXX X...)

Short title

Short name meeting (XXXX XX XXXX)

Long title

Amazon Project Planning for People That Li...

Long title, recording

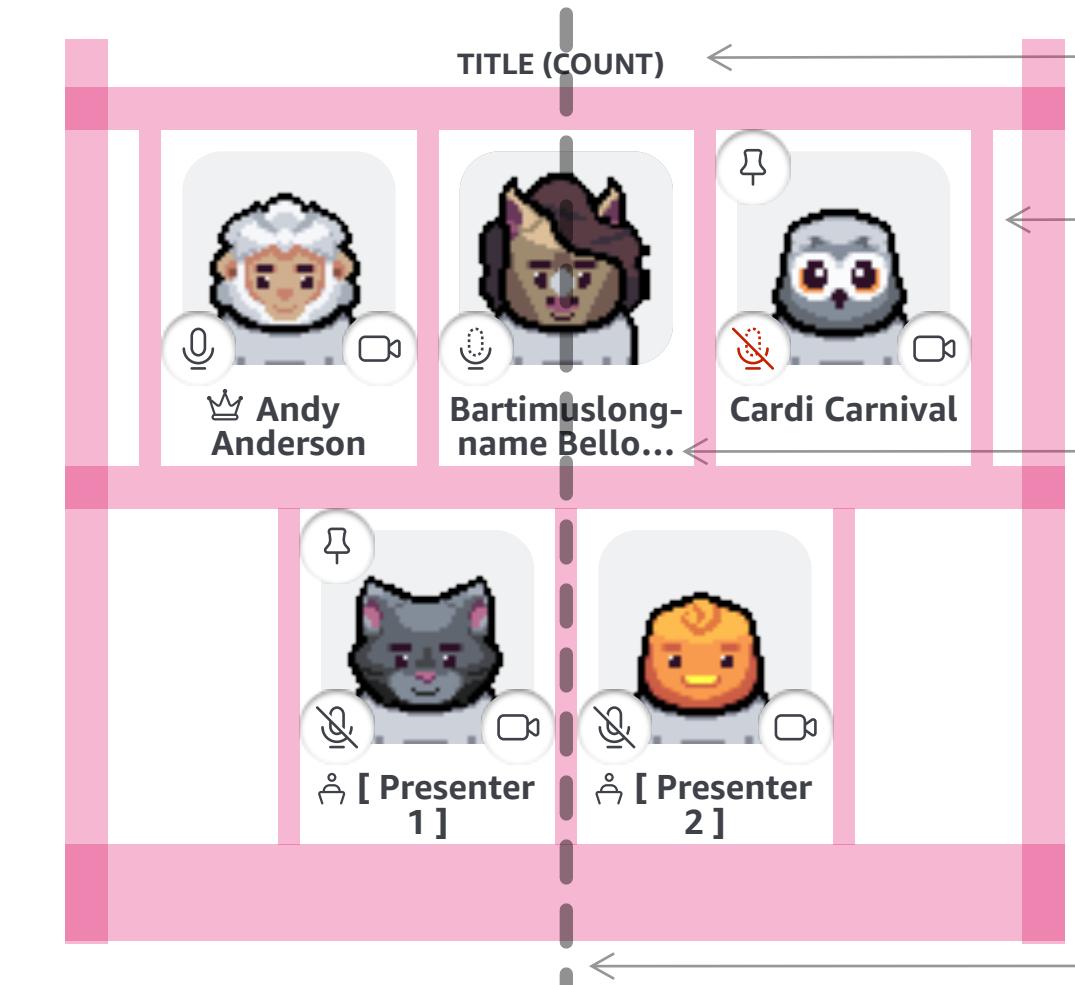
Amazon Project Planning for People Tha...

Meeting titles

1:1 or Instant Meetings are <display name>
Conference Bridge

Scheduled meetings that meet@chime.aws
starts use the subject of the meeting.

ROSTER SECTION LAYOUT



Title

All sections are titled. Groups attendees by join status (see left). Shows count in parentheses.

Attendees

Listed alphabetically by first name. Displayed full name—first then last.

Long names

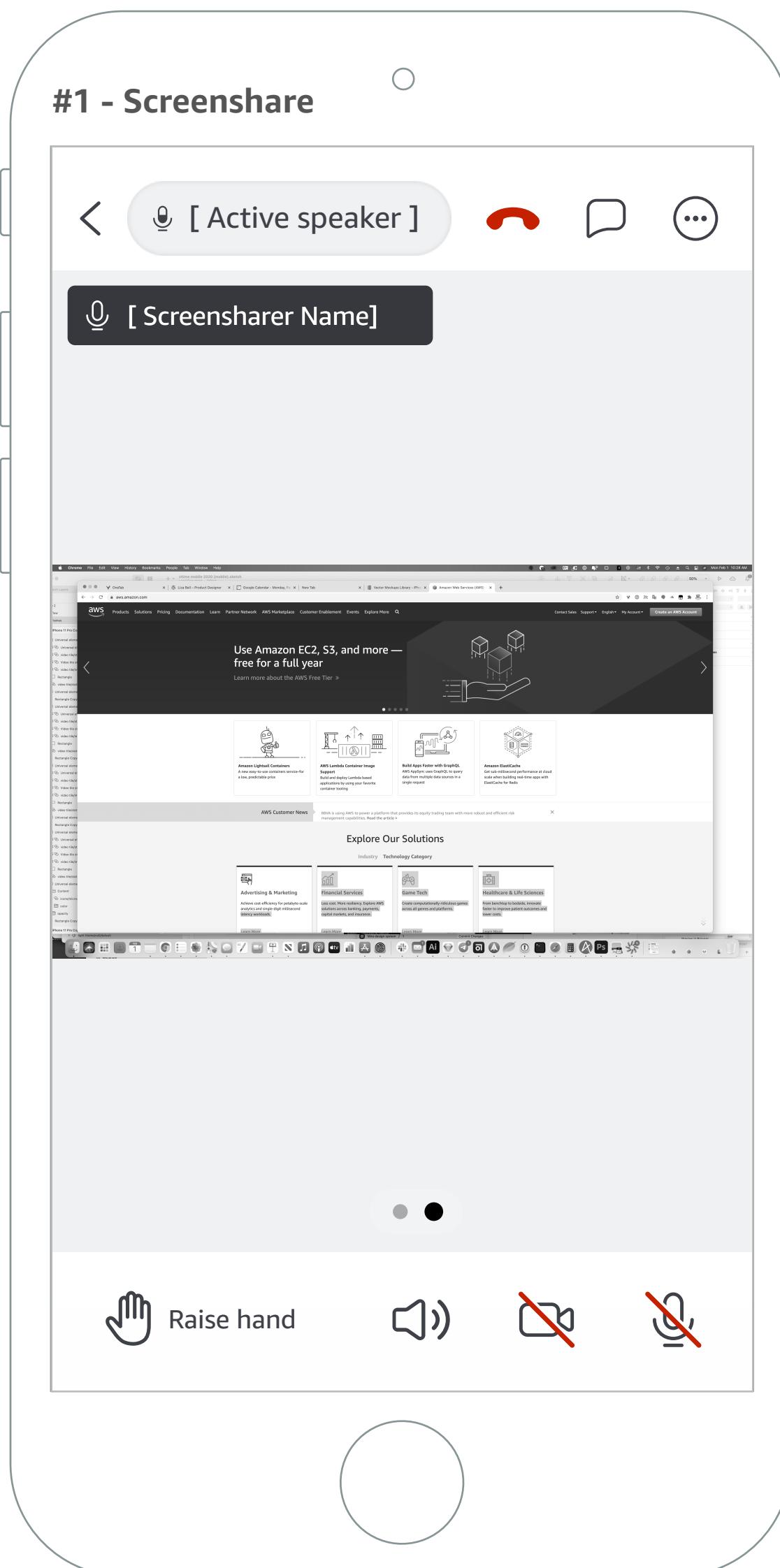
If a first name is long, we hyphenate it in the first line. If the full name goes longer than 2 lines, we truncate it with an ellipsis at the end.

Avatar Grid

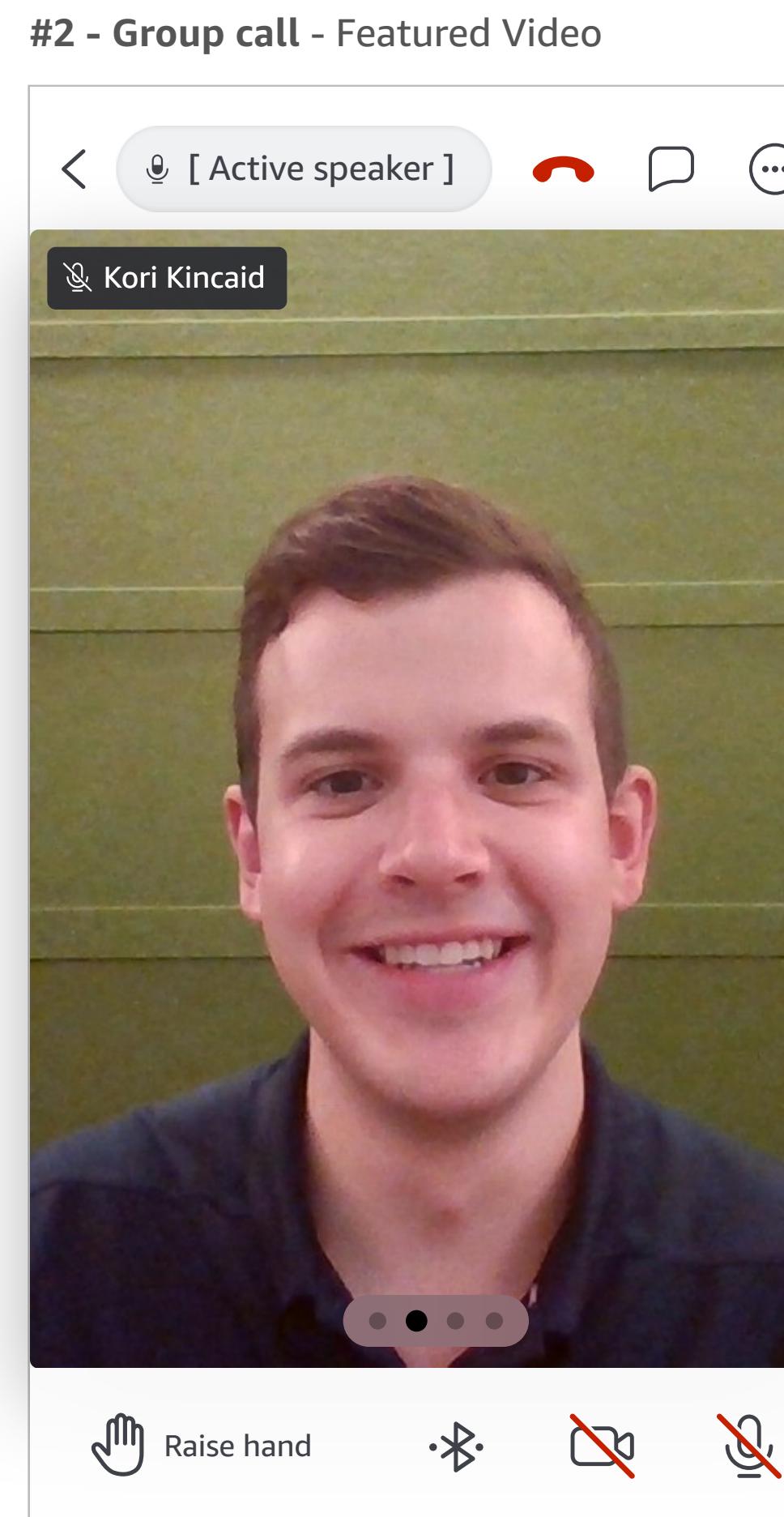
Center align avatars, each row fitting as many as the viewport width allows (normal app padding on edges). Even spacing on either side of avatars. Larger spacing between rows, and even larger between sections.

Spotlight Order of Priority

Spotlight (page 2) only exists when media is being shared (video or screenshare). It contains dynamic content, to lower cognitive load— viewing space is maximized for a single focal point at any given moment.

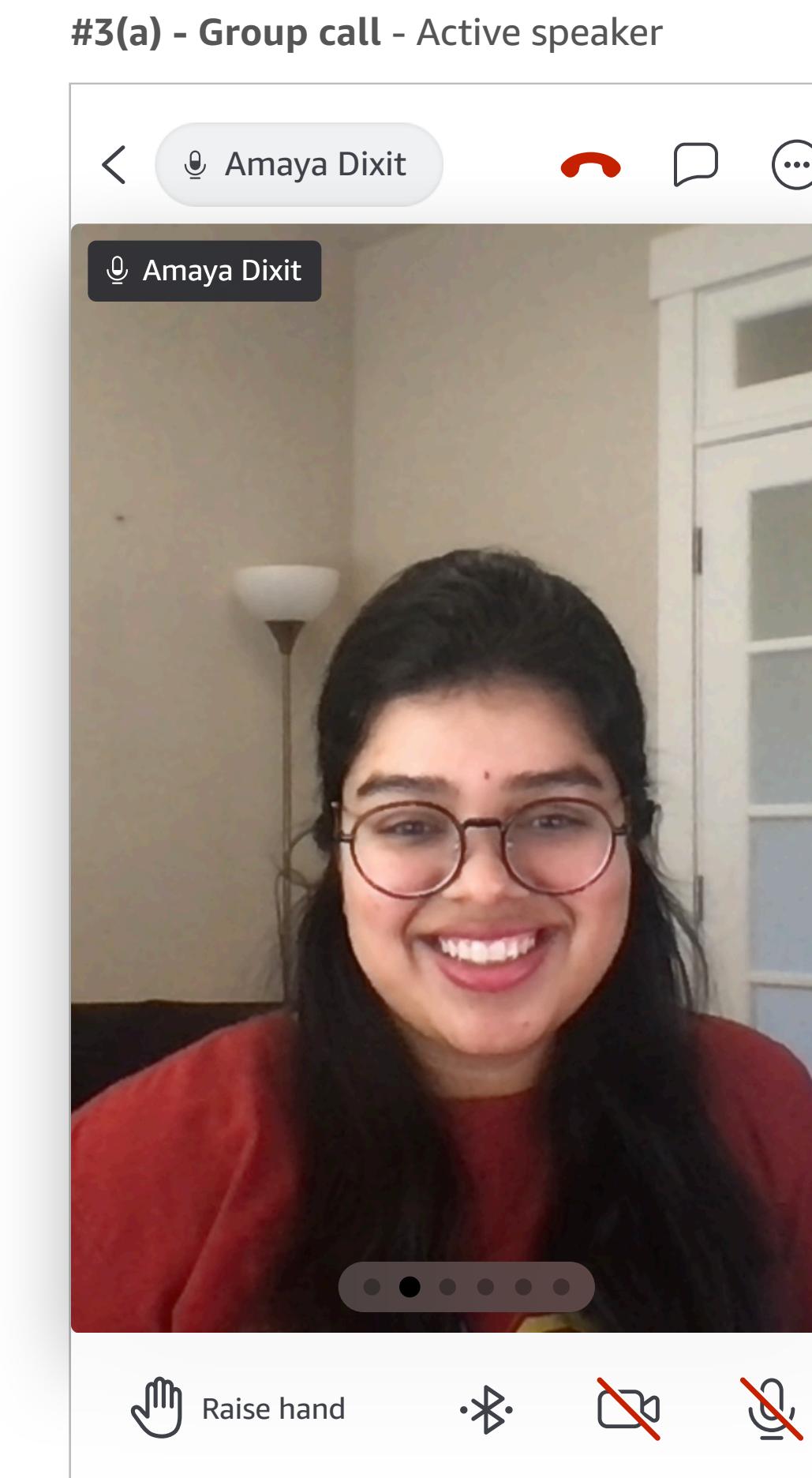


Highest priority if someone is sharing their screen.
Mobile data for 4.39 shows people view screenshare 2x more than they view videos.



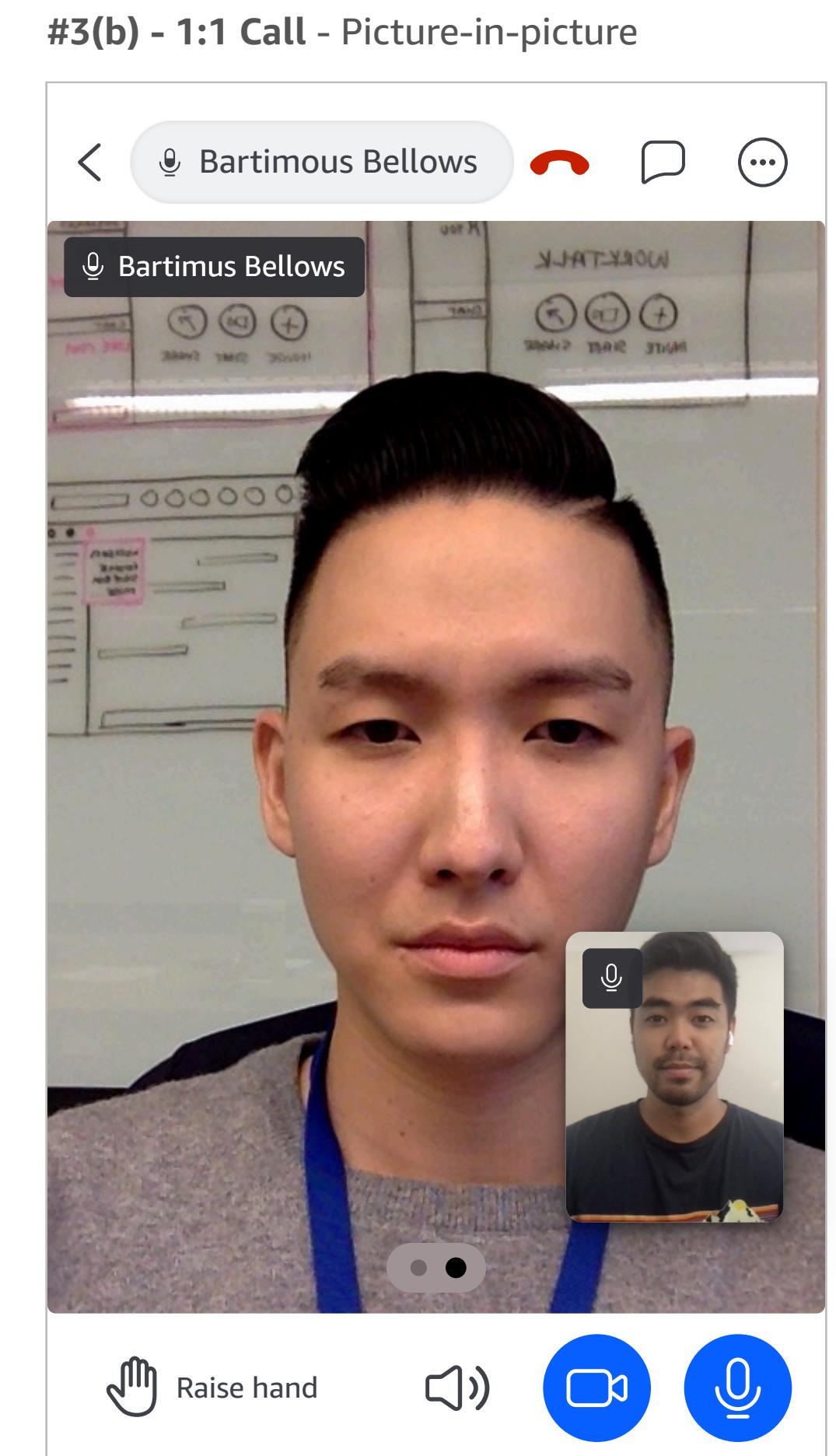
Second priority, user's choice to feature a certain video. Users will not be able to feature videos when there is a screenshare.

Note: Needs further investigation how important this feature is on mobile.



Default for group calls, when there is video but no screenshare or featured video.

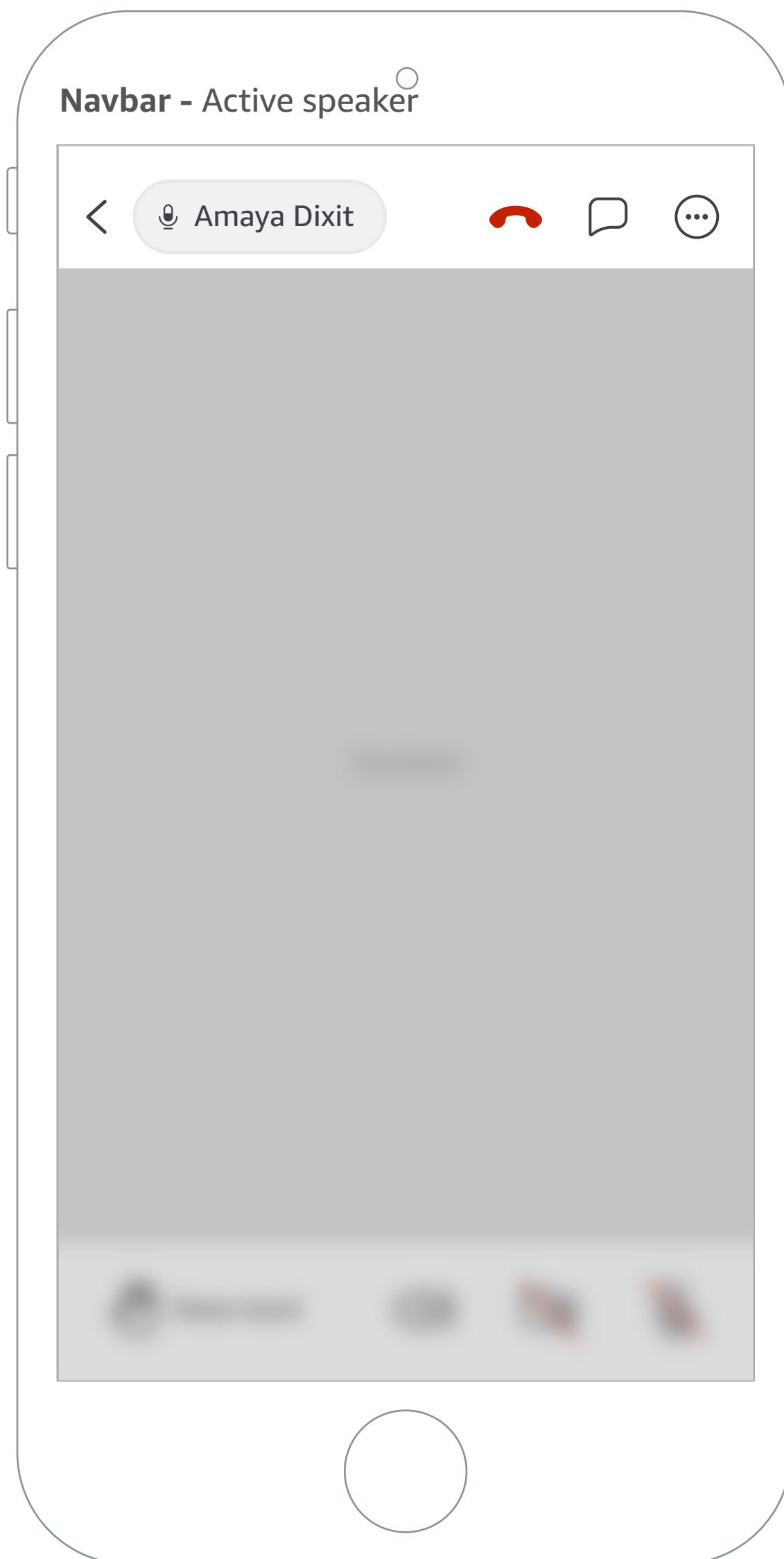
See Active Speaker States for more.



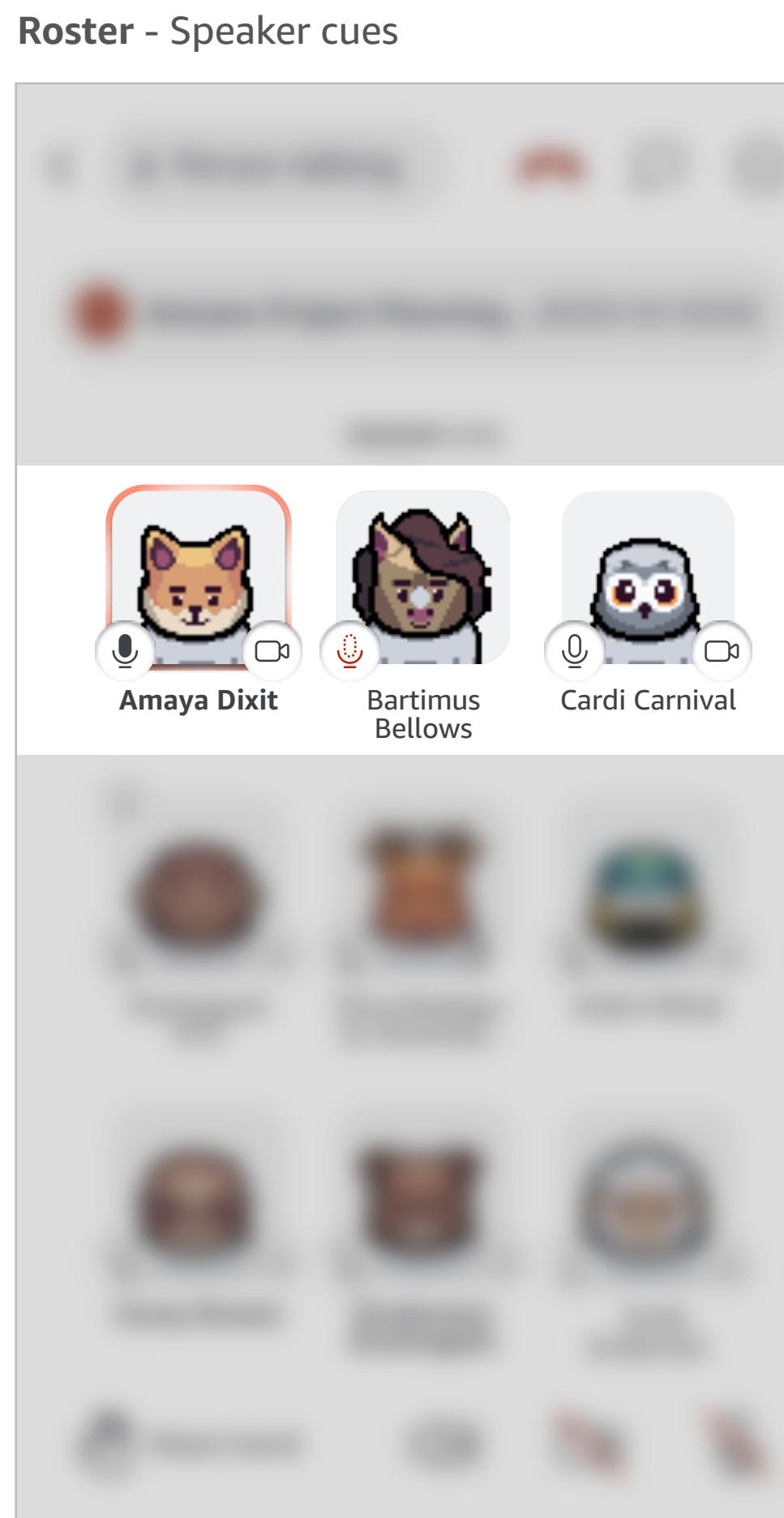
Default for 1:1 calls, when there is video but no screenshare. 1:1 calls do not need "featuring".

Signals Active Speaker

Mobile's limited real estate and audio-centric use case means it's critical for users to know who is speaking at any given moment. We communicate active speakers throughout the meeting experience using several visual cues.



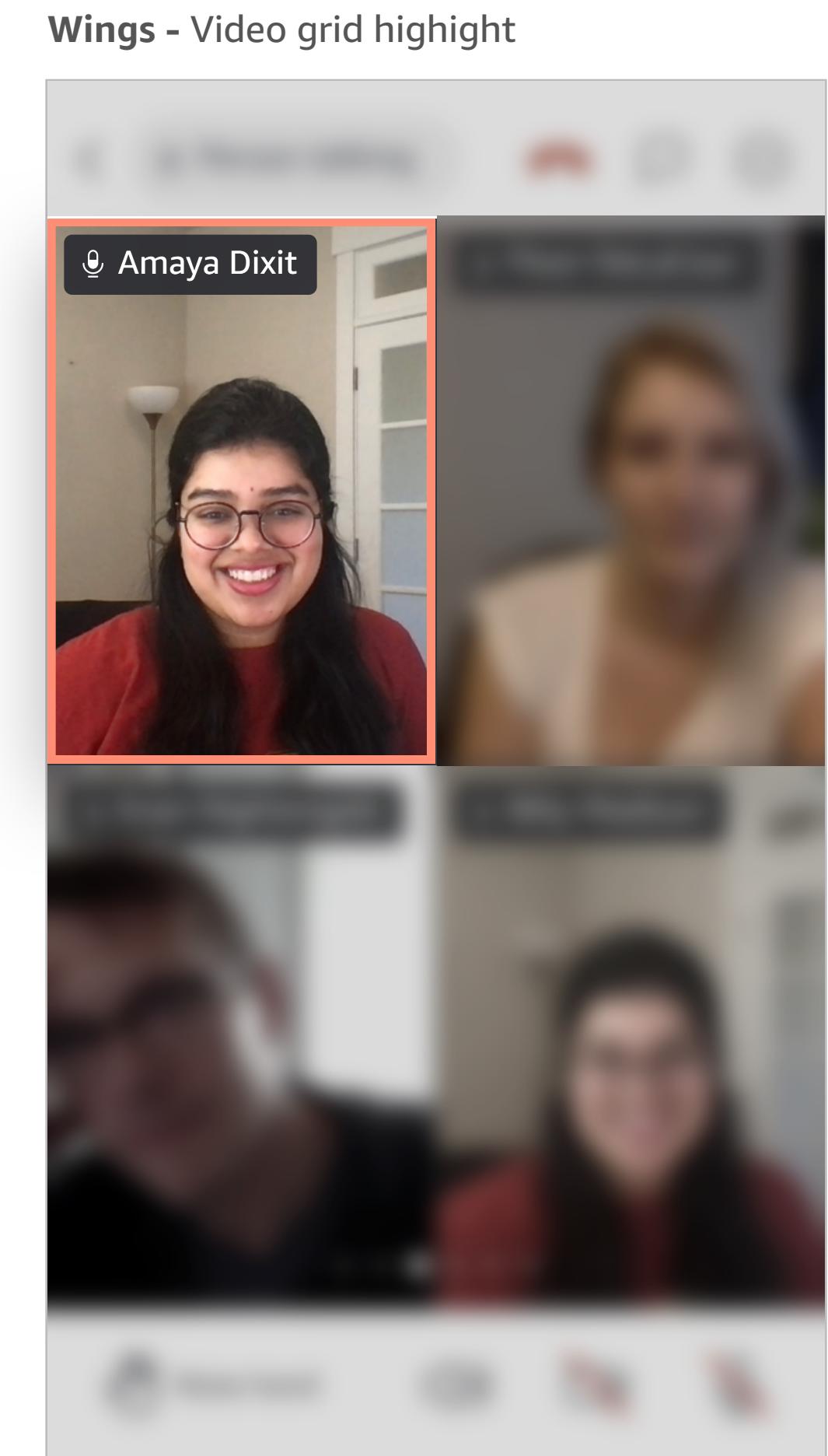
The upper left corner is a strong space for readability and updates. We use it for a mini active speaker cue that's always visible.



Roster uses the mic indicator to show the classic Chime working mic. It's magnified with a "halo" around the avatar that echoes the mic's 3 active speaker states.



The default state for Spotlight in a group call is showing the current active speaker. This is an enlarged view of what's going on in the navbar.



In the wings (video grid pages), we follow desktop's example for showing active speakers with an orange border and drop shadow.

Meeting View Group Call

Mobile makes a key distinction between 1:1 versus group meetings (more than 2 present).
The difference is expressed in how we display videos and use “Spotlight” and “Wing” screens.

The image displays four mobile screen captures illustrating different meeting modes:

- Roster (no video or screenshare)**: Shows a list of participants categorized by their status: PRESENT (3), RUNNING LATE (2), and INVITED (15). Each participant has a small profile picture and a name. At the bottom are standard video controls: Raise hand, Bluetooth, Mute, and Microphone.
- Video started**: Shows a video feed of a participant named Amaya Dixit. The title "Video started" is at the top, followed by "Spotlight - Active speaker (no screenshare)". Below the video are the same standard controls.
- Screenshare started**: Shows a video feed of a participant named Emily Agat. The title "Screenshare started" is at the top, followed by "Spotlight - Active screenshare". The video frame displays a screenshot of a web browser showing the AWS homepage. Below the video are the same standard controls.
- Wings - Group video**: Shows a grid of video feeds for four participants: Amaya Dixit, Barry Fang, Kori Kincaid, and Cardi Carnival. The title "Wings - Group video" is at the top. Each participant has a small profile picture and a name. Below the grid are the same standard controls.

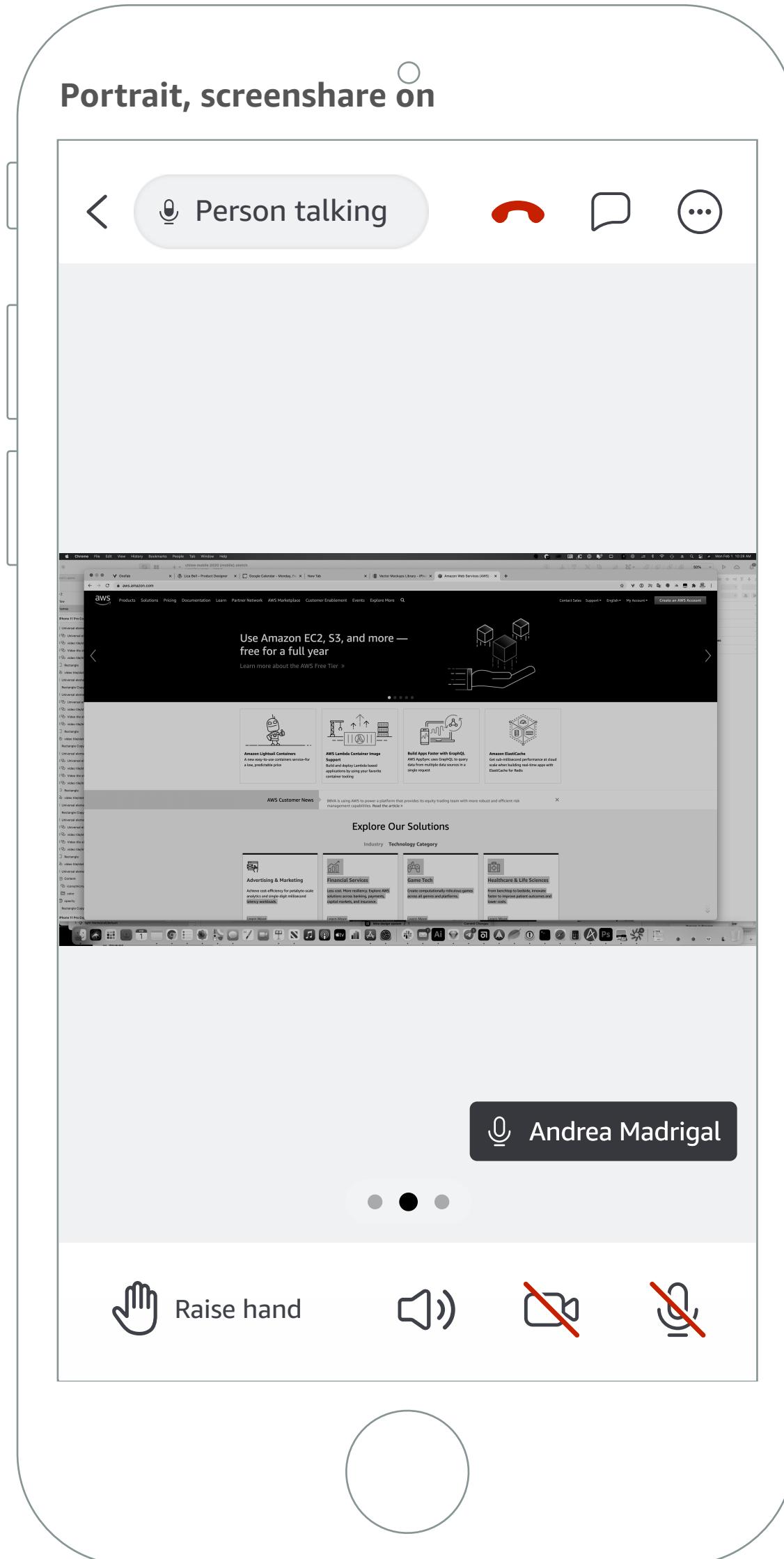
Annotations provide additional context:

- A blue box surrounds the "Video started" and "Screenshare started" sections, with the text: "Active speaker is the default. Users can choose to feature a different video if they wish when there is no screenshare."
- A blue box surrounds the "Screenshare started" section, with the text: "Once a screenshare starts, it takes over active speaker/featured video on 2nd page."
- An arrow points from the "Screenshare started" section to the "Wings - Group video" section, with the text: "Third page in group call is always video grid, containing the 4 most recent speakers. Remaining video tiles paginate from here."

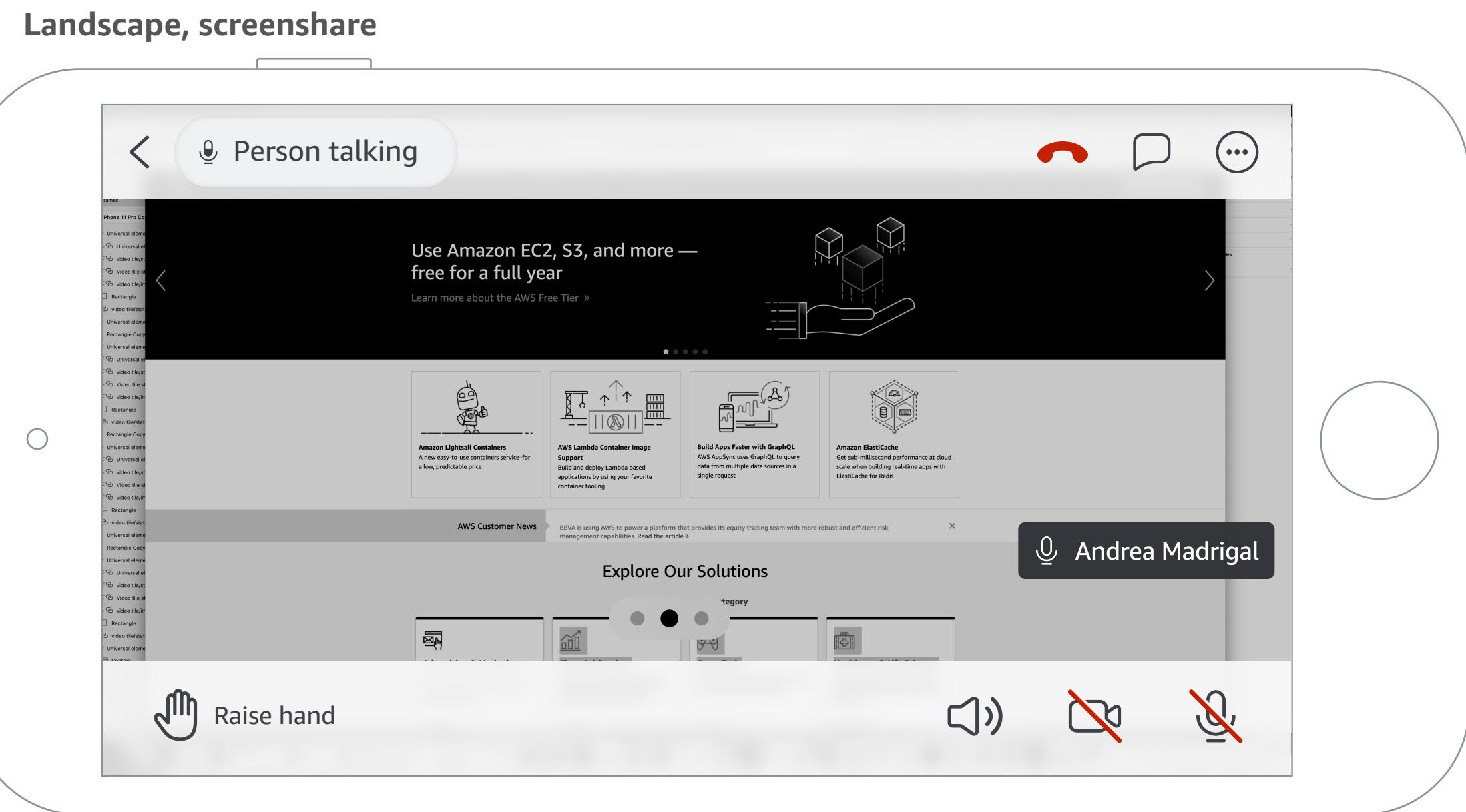
If there is no media being shared, there is nothing to paginate and we only show roster.

Screenshare Mobile Full-Screen

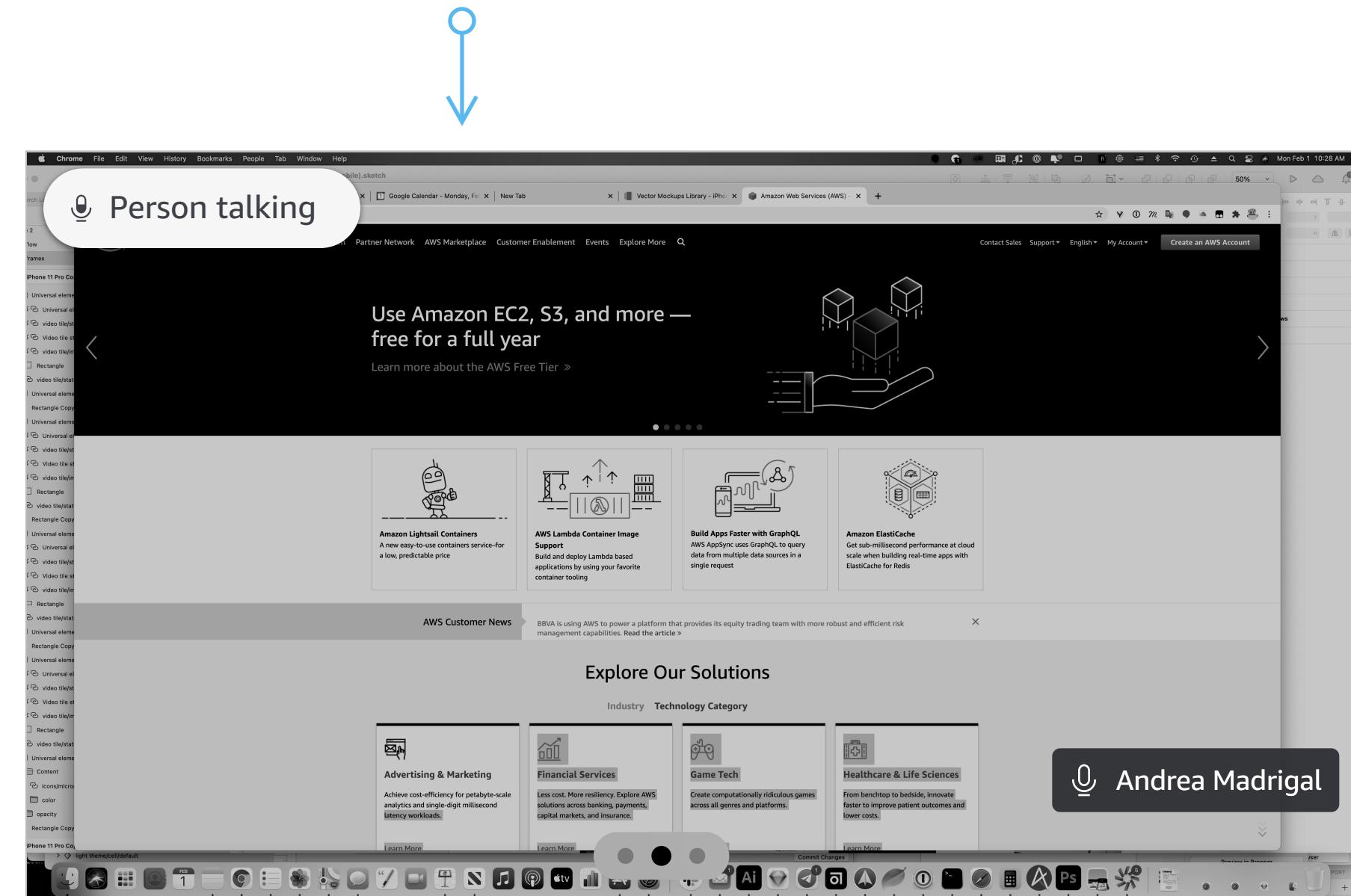
Balance users' access to important controls, active speaker, and maximize viewport for screenshare.



User rotates their screen →



Controls show for ~3s (make it an overlay for landscape? if not, keep as is.)



After ~3s, controls disappear. Active speaker remains in top left corner and pagination remains on the bottom. All zoom/pan actions are available same as portrait. Tap brings controls back up, allowing user to mute/unmute, raise hand, see chat, etc.

Meeting UI Alerts

Snackbars are useful to inform or warn mobile users without pulling them out of their meeting experience. Alerts are reserved for hard errors that prevent a user from being a part of the meeting.

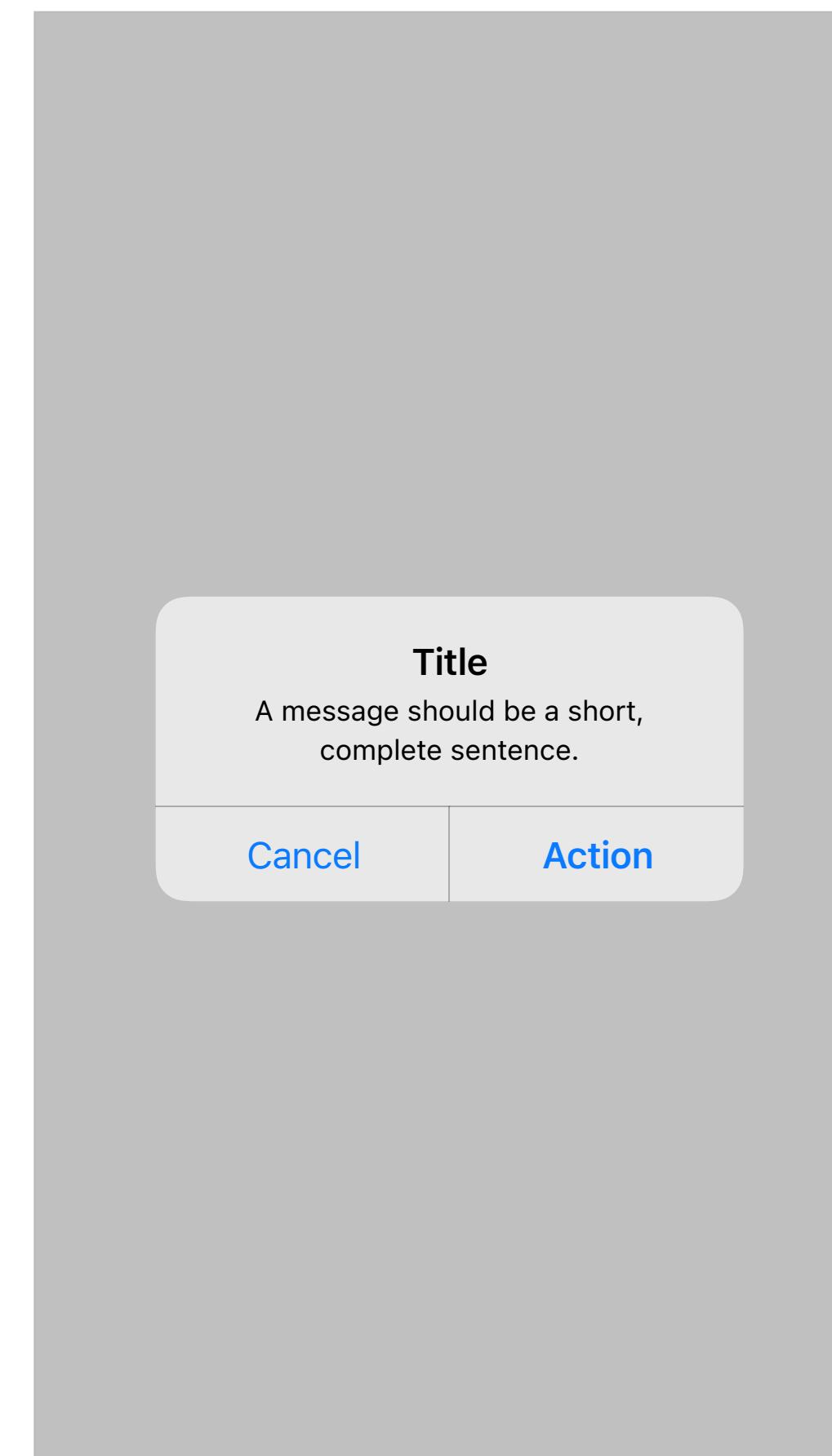
Both - In-app notifications



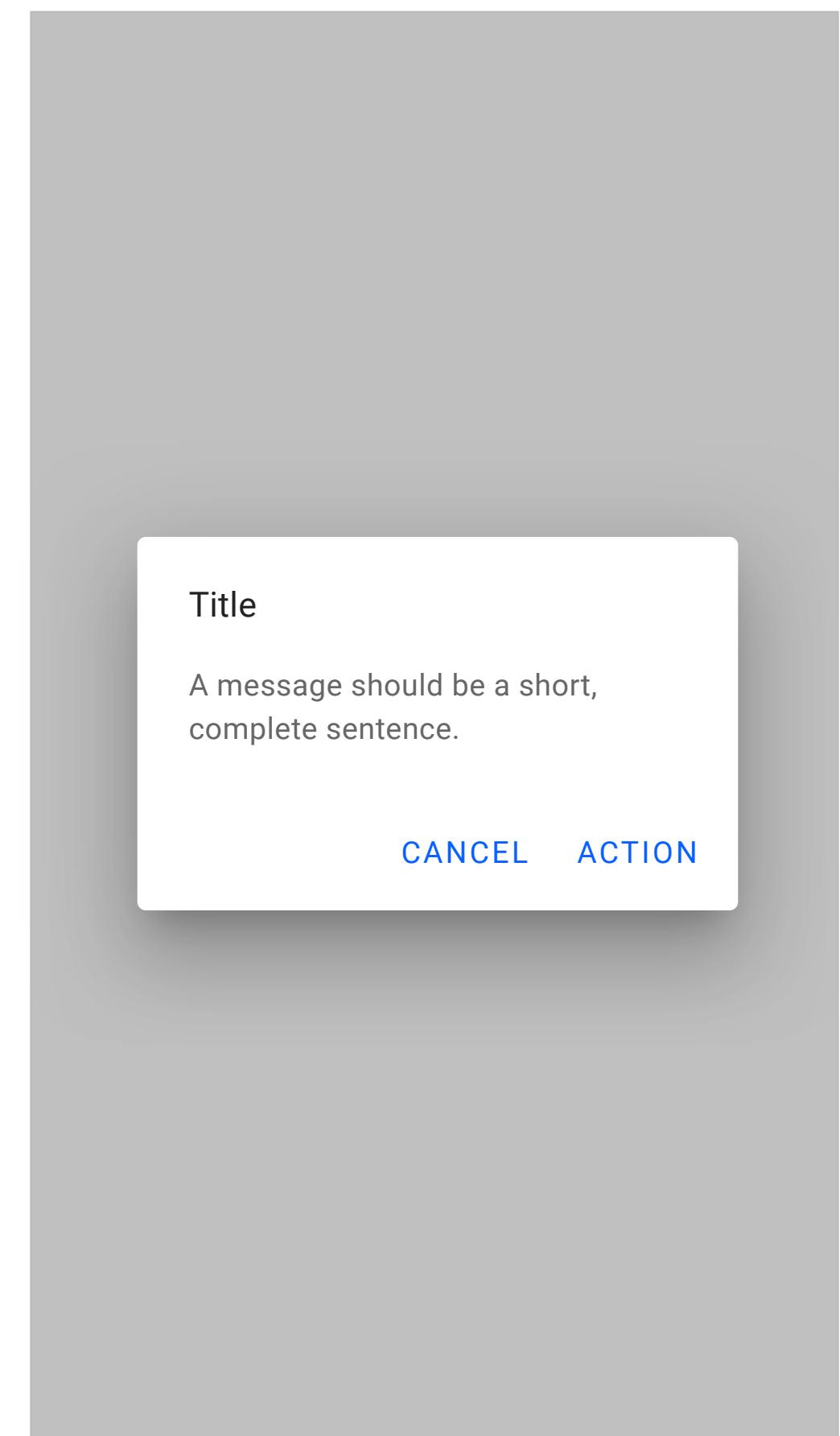
Both - In-app notifications



iOS - Alert

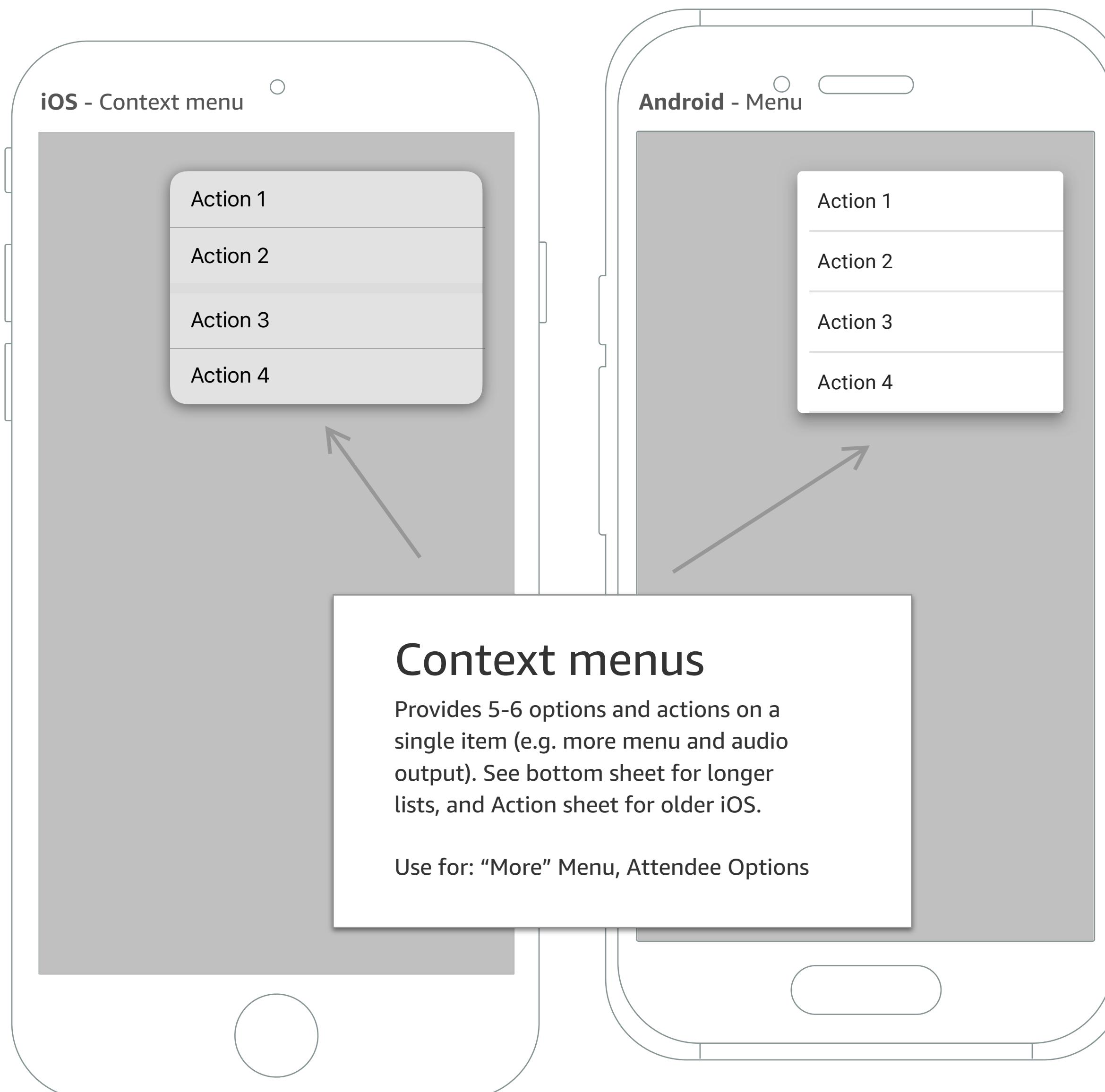


Android - Dialog



Meeting UI Secondary Actions (Menus)

The app will lean into using native features to limit customizations. Here's how key app elements, like secondary actions, play out between iOS and Android.

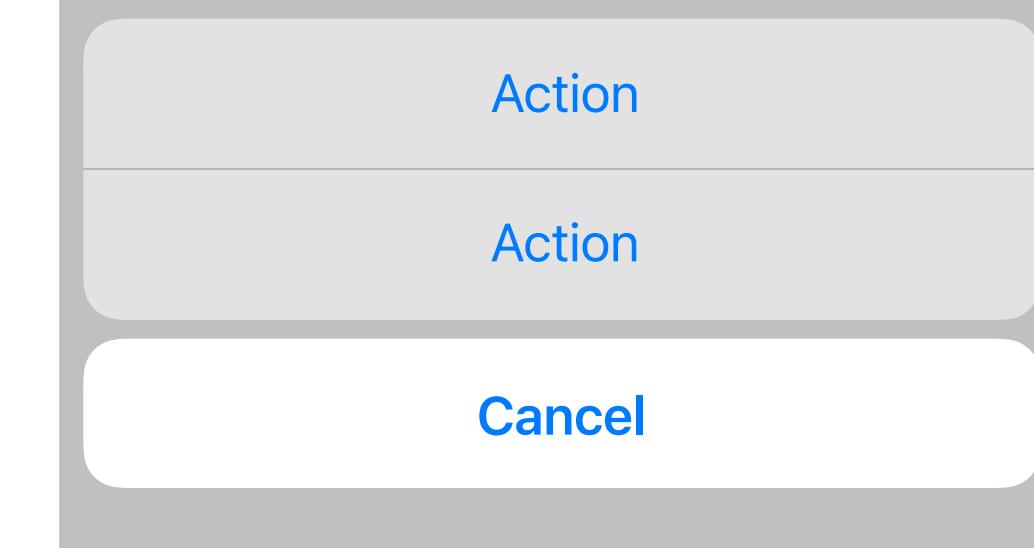


iOS - Action sheet (backwards compatible)

Action sheet

For backwards compatibility, use this instead of context menu and bottom sheet.

Use for: "More" Menu, Meeting Settings, Call Controls, Attendee Options

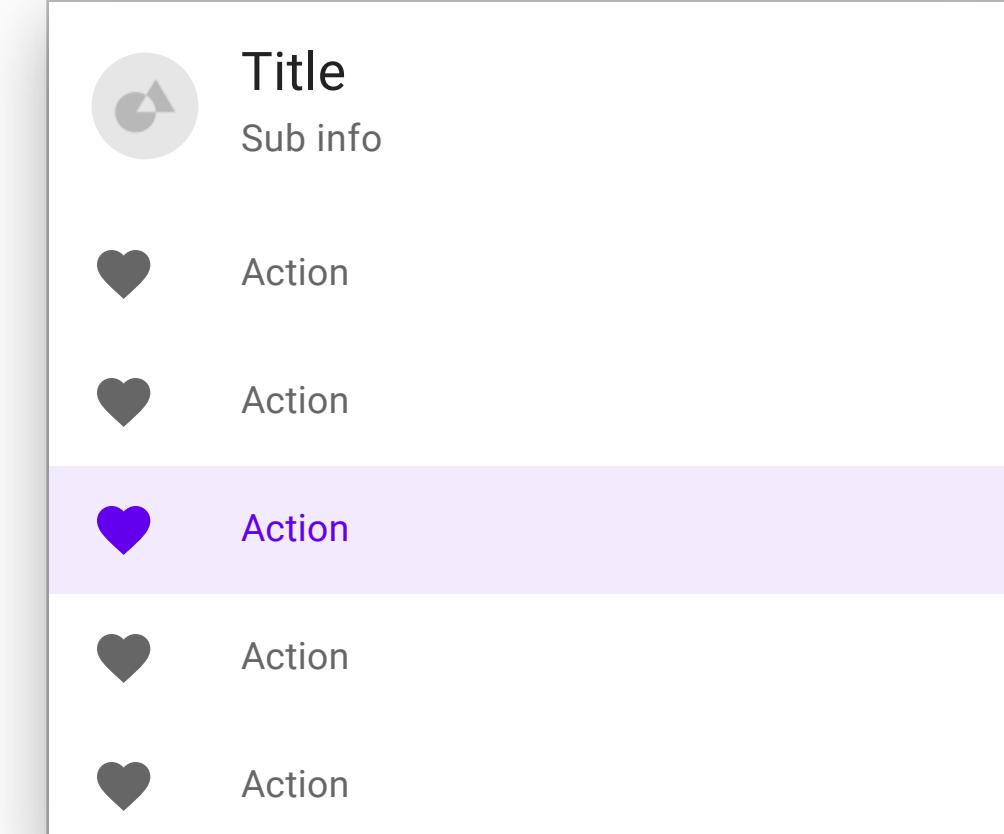


Android - Navigation drawer

Navigation drawer

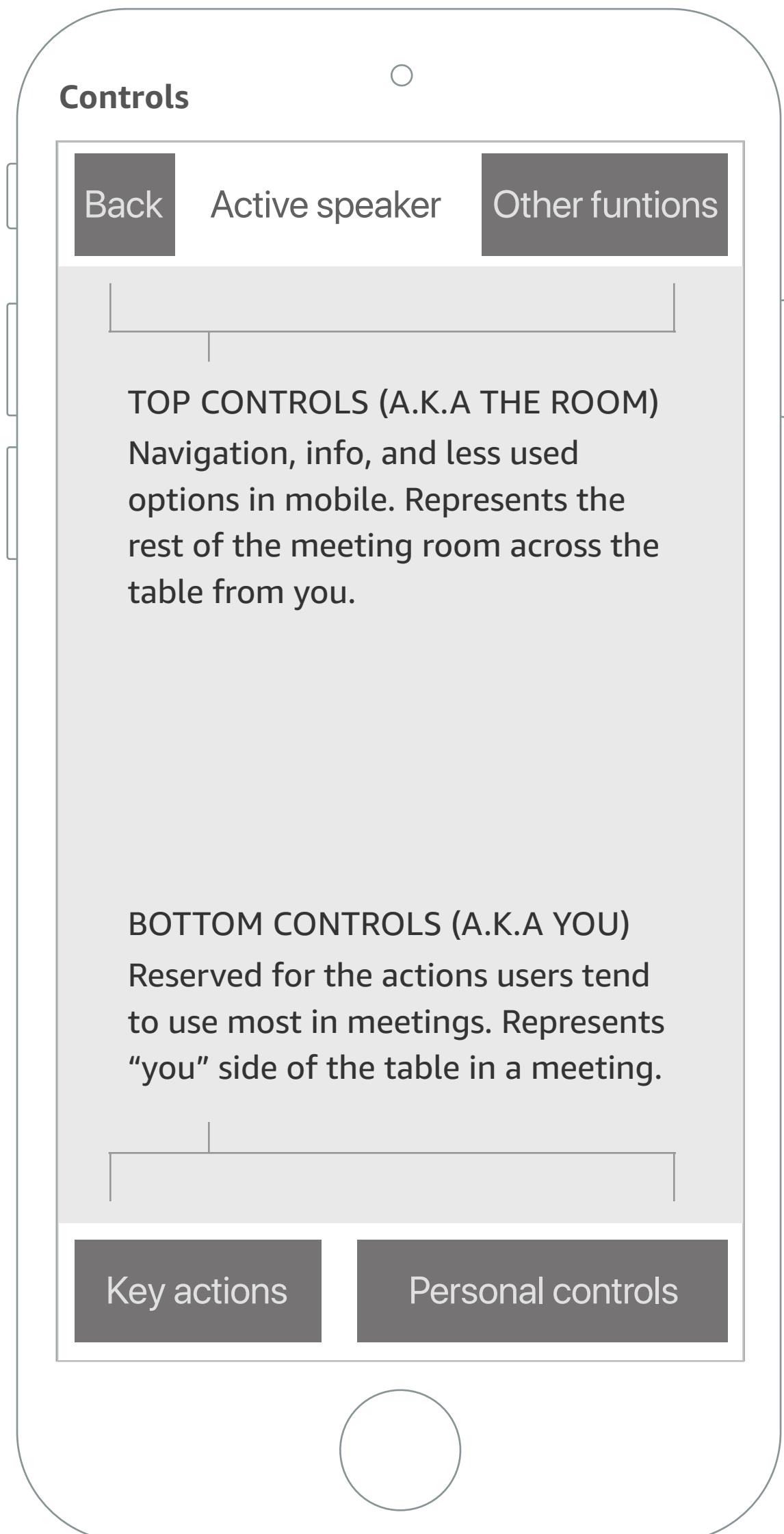
Provides 5-6 option and possible start to sub-task. Needs another solution for longer lists.

Use for: "More" Menu, Meeting Settings, Call Controls, Attendee Options



Meeting UX Main Views Principles

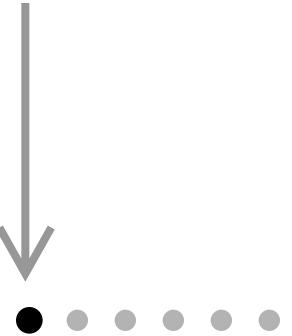
Bulk of meeting experience is in these screens. Unlike desktop, video takes a backseat for mobile users. Active speaker, roster, and easy access to personal controls take priority.



Page 1 - Roster

Roster (p1)

"Home base" of the meeting. Central and always present, users can gauge the meeting at a glance. Once a video or screenshare starts, they show up as new pages users can swipe to.



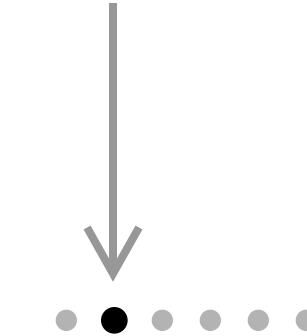
Page 2 - Spotlight

Spotlight (p2)

Dynamic content— gives user a view into the center of attention during the meeting.

Priority:

1. Screenshare
2. Featured Video (user selected)
3. Active Speaker (group call) OR PIP video (1:1 call)

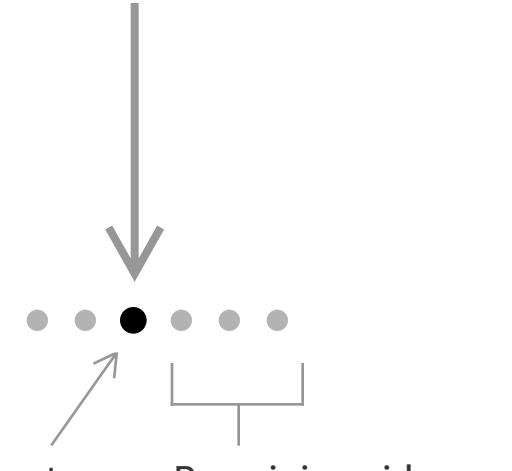


Page 3 - Wings

Wings (p3+)

1:1— PIP video moves here if there is a screenshare

Group— always 2x2 grid of multiple videos being shared. When there's more than 4 videos, we show 4 most recent speakers first.



Internal research verified the information heirarchy mobile users need, which is reflected in the decisions for this new experience. Contact navgr@ for write-ups.

As of 2021, we're allowing a max of 25 video tiles in a meeting. This means we will have a max of 9 pages (7 video pages, plus spotlight and roster).

Meeting UX Functionality Index for 5.0

Reference for all meeting functions and how they are organized.

