

Programmer Documentation for Agora

MainActivity

- Layout: activity_main
- Buttons: Log In, Sign Up
- Main screen, login/create user account using Firebase.
- If login/account creation successful, starts HomeActivity.

HomeActivity

- Layout: activity_home
- Buttons: Join Session, Create Session, Quit
- Home Screen, join/create session or quit.
- Instructors “create session”, while students “join session”.
- If quit, calls MainActivity (back to main).
- If join/create session, calls SessionActivity.

SessionActivity

- Layout: activity_session
- Buttons: Help Queue, Discussion Forum
- Clicking on “Help Queue” starts Queue Activity, clicking on “Discussion Forum” starts Message Activity, passing in the user type (student or instructor) into both activities.

QueueActivity

- Layout: activity_queue
- Buttons: Enter, Camera
- Creates the help queue; queue is written to and read from Firebase Database.
- If user is a student, student name will be added to queue.
- If user is an instructor, instructor is given permissions to view queue and remove students from it.
- The user has the option of attaching an image with their name in the queue. This image is displayed next to their name and is stored in Firebase storage.

QueueAdapter

- Layout: queue_entry
- Sets up name in the queue and image (if one was taken) in the ListView. The image is retrieved from Firebase storage.

DisplayActivity

- Layout: activity_imagedisplay

- Allows user to inflate image attached to queue entry. The image is retrieved from Firebase storage.

MessagingActivity

- Layout: activity_messaging
- Buttons: Send
- Open channel is created and written to and read from, using the SendBird messaging API.
- Previous 30 channel messages are loaded and displayed upon activity start.
- User can enter desired message in the Edit Text, and it is sent to and displayed in the open channel.

MessagingAdapter

- Layout: message_entry
- Sets up user name and message on the screen in the ListView.