CSOIT 4661 Major Screen Activities (?) Homescreen/Initial app screen blanding Screen - Buttons - Create new recording - Load existing recording - Export(?) - After-New-Press Screen/NewScreen - BPM Select button (allows clock-style numslider upon clicking) Create Button - Create new track w/ selected BPM - After-Load-Press/Load Screen - Loads list of sessions saved to directory oads session if there is a session - Session/Recording Screen (Tullout not engaged)

Chasses for Rithum! High Level Overview
main 5 - on Create(), other startup methods - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for the app view, on click listeners - buttons for new track, volume control and muting - atso handles getting imput from user for handles - file name and - handles dialog boxes
audiofrandler / - this is where mediarecorder object is initialized for use with a single audio track
- track will have a uniform initialization, and naming convention tafter overall file is named, tracks - after file is named, tracks will each be named filename!, filename?, filename 3, filename 4,
Track Handler - this is where individual tracks are built 2- audiorecord objects will be created 2- provides inotheds to sync audio tracks
Visualizer Views - Attach a visualizer view to each track so you - will be a waveform created as a track is recorded - will be a waveform will be the primary way to analyze the track
Sync Handler - Syncs audio tracks and store when multiple have been recorded of - called from TrackHandler object - also handles calibration of systems as audio track to compensate for inherent lag

Low Level Overview. Visualizer View

A Visualizer View class is where we control everything associated withe the functionality of the drawn waveform view. This design choice allows us to handle the atlachment of the visualizer to the audio track. Itean be done by a method call in this class. We set the stream methods to query tamplitude, to get the values we used to draw the waveforms.

Low Level Overview. Track Handler

Track Handler provides a way to create entire audio record objects. There are up to 4 total tracks present at any given time, sattles is the dass where The track handler also allows syncs the current tracks via a synchandler.

Low Level Overview. Audio Recorder

Audio Recorder class is where the main audio recording takes place. Media recorder will be used to do audior recording, immediately recording to a user to the de designated filetype work media record specifications.

Low Level Overview. Main Activity

Synopsis: Main Activity is the main method of the application. All startup activity for the app is called or contained created from from here. Containing all exti of our main method ealls here allows us to have a central point of control for the application. Also contained here are all buttons and actions tied to them.

Low Level Overview: Sync Handler

Sync handler has two main functions: to sync up the audio tracks and to run the initial calibration upon the app's first start. The reason the calibration occurs is due to the varying audio latency issues of different android devices. Catibration uses the device mic to and spenkers to emit a loud, brief noise and adjust based on how quickly the audio is picked up.