**Motivations and Objectives**

**Motivations**
- Improve the experience of asking questions during a large conference or lecture
- Increase mobile device’s functionality by creating a method to allow devices to act as a wireless microphone

**Objectives**
- Transmit recorded audio from a smart device to an existing audio system
- Create an Android application that does the above within a question and answer format

**Challenges**
- Lack of experience in Android Programming.
  - Time spent learning Android
- Finding a viable way to transmit audio in a wide range of existing venues.
  - Wi-Fi vs. Bluetooth?
    - Which is better for a wide range of existing venues?
  - Use a Server?
    - Required research, learning curve
    - How to get audio from server to audio receiver?
      - FM Transmitter vs. network connection
- Time constraints
  - Both previous challenges required a lot of time to mitigate.
  - Allowed for much less time to develop, test, and finalize our application.

**FM Transmitter**
- Used to transmit sound over FM radio frequencies
- Fits audio jack of most devices

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