Requirements:

* Main audience: Users with depression who go through mood swings (but anyone can use it).
* The program should be able to recognize, by voice, if a person is calm, depressed, angry, or cheerful
* The program shall list a group of contacts to call/text whenever a person is feeling depressed or angry.
* The program shall listen to the mic ONLY when the program is open (and not in standby).
* The AI shall be able to hold a simple conversation to ask the user questions such as:
  + How are you doing?
  + Did you do something for yourself today?
  + How are you feeling?
  + What are your plans for today?
    - Dependent on time of day (Plans for tomorrow?)
* The AI will respond differently based on the user’s mood.
  + Cheerful/Calm: Get a joke (cheesy and actually funny) (multiple jokes)
  + Depressed: List of contacts, things you could do to distract yourself, motivational phrases
  + Angry: Breathing exercises. App could ask if you want to vent?
* The program is NOT required to respond to answers from the user.
* The program will connect to a database log of the user’s mood each time they use the app.
  + Database? For mood, time of day, and date?
  + Mood / jokes / motivational phrases / questions stored on server.
  + Credentials so user can access from different devices.

Language/Tools: python(Flask), Convolutional neural networks (Matlab, Keras), Apache HTTP web server, SQL Database