# Speech Emotion Recognition and Playlist Generation

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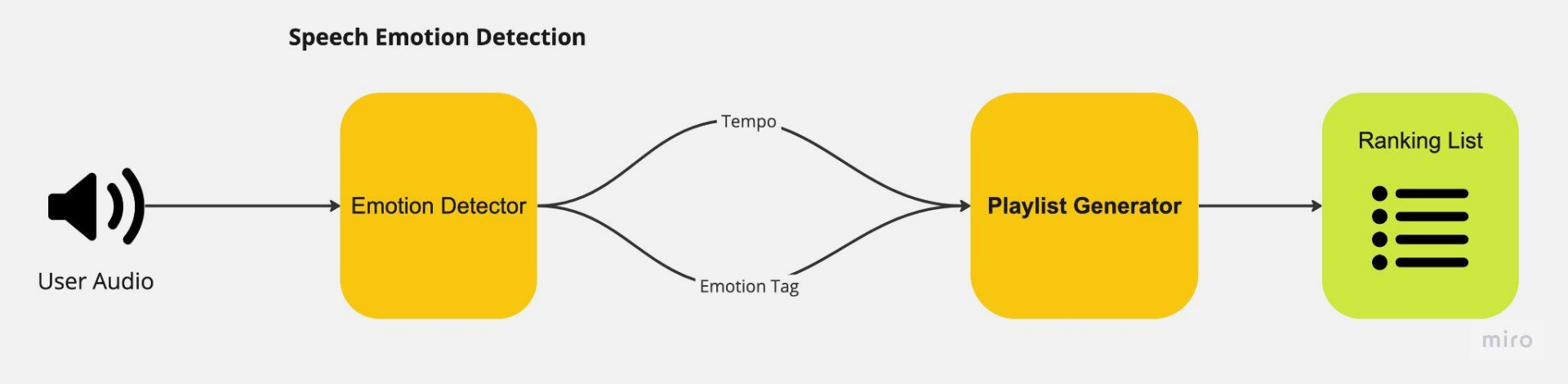
# Goal Of The Project

In this project we aim to build an application which:

- Analysis sound mood form the user audio
- Provide an unique playlist

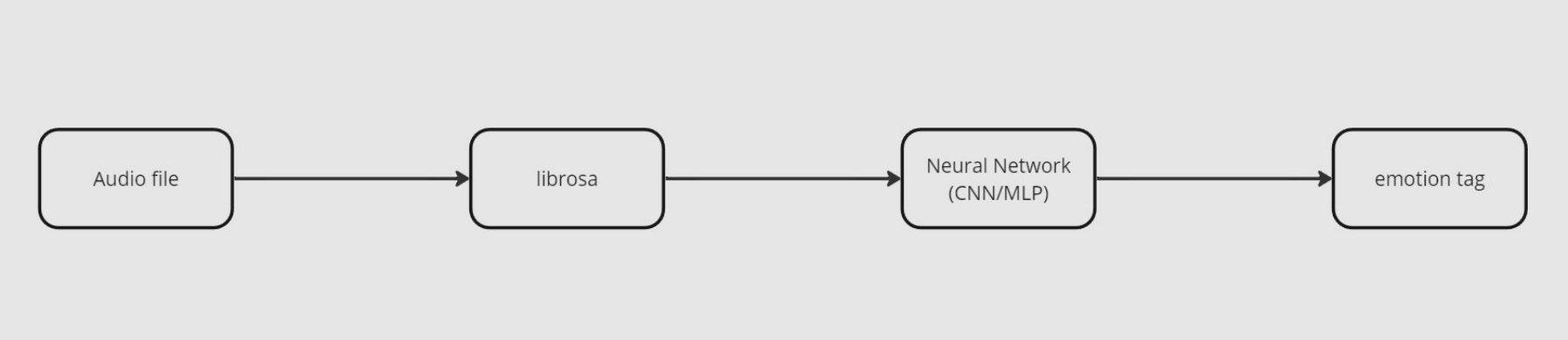
# Architecture




Novelty:

There has been features that recommending songs by selecting certain mood. But speech contains more emotion than literal words. Finding songs by speech emotions can be more accurately expressing the speaker's sentiment.

# Emotion Recognition




Training dataset: https://www.kaggle.com/datasets/dmitrybabko/speech-emotion-recognition-en

# Playlist Generation

- The Express and Rest API structure has been used to receive client request and return a unique playlist.
- The search function scans through the music data and reveals the ones which are better for the user.

DEMO

# Division of Work

Speech Emotion Recognition: Xudong Shi (s3444538), Xiang He (s3627136)

Playlist Generation: Dervis Onur Gurbuz (s3440524)

Report Writing: All three members