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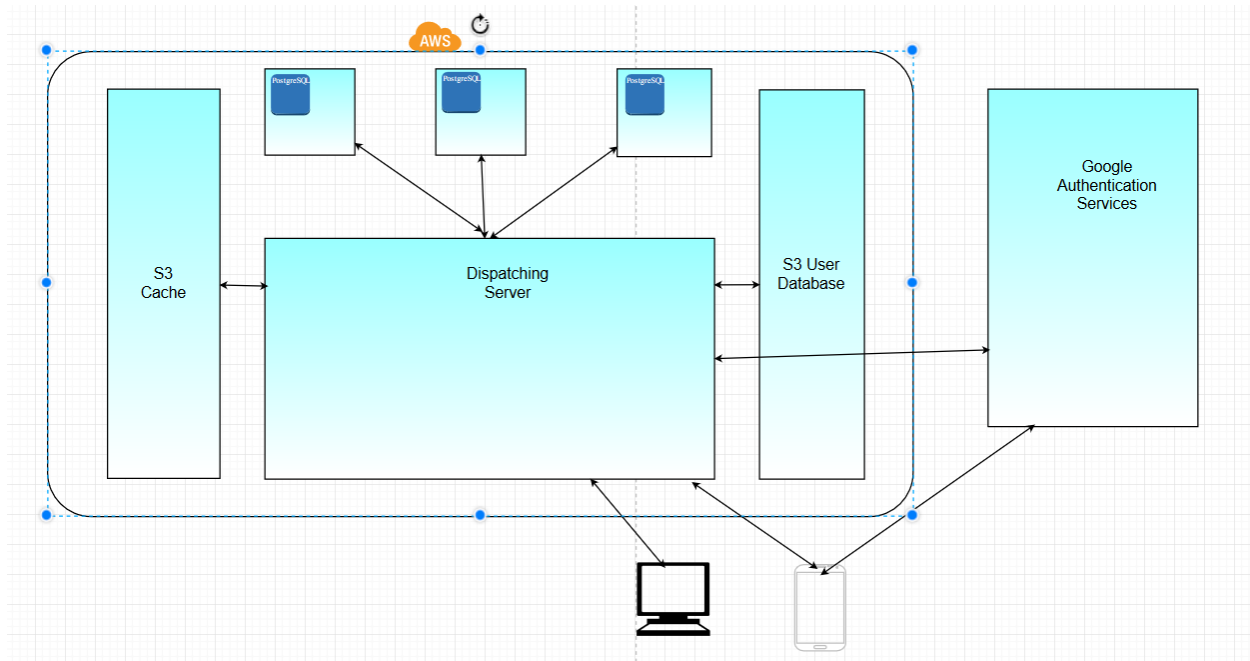
What'sThatTune

Project Team

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A cloud based service to sample an audio clip using a PC or smartphone's microphone and identify the song by comparing with a cloud based music repository

Whether a casual listener or a hardcore audiophile, or just a person sitting in a café and wondering what's playing on the speakers, this service is for anyone who wants to identify an audio clip without having to download an app or having to fill pages of registration info.



- Develop a REST based web service in Python and deploy in Amazon AWS cloud services
- Develop an android app for capturing audio sample via device microphone
- Develop an HTML5 web page to provide “app-less” user interaction
- Generate “acoustic fingerprints” using acousticID open source library
- Optimize the song match algorithm by use of hashing
- Authenticate user via OAuth and use user information to provide music suggestions based on user’s previous searches

We hope to develop a lightweight music discovery platform which will allow users to utilise our cloud service without having to download heavy mobile apps. We also hope to be able to identify songs with accuracy, and in case of reasonable doubt, provide a list of best matches without compromising on the audio sample size and making the operation heavy.