

# DJ PHAT ENCHANTAH

Olin College of Engineering | Software Design Spring '15  
Hannah Fowler | Kai Levy | Hieu Nguyen | Wilson Tang

## Background

Our team set out to build our own program to mix and match music. However, before we could create this, we had to understand how a DJ thinks. After researching and talking to Scott Mackinlay '18, we determined that a DJ's skills consist of the following:

- choosing which songs to play depending on key factors
- subtly transitioning from one song to another
- maintaining the energy in the space

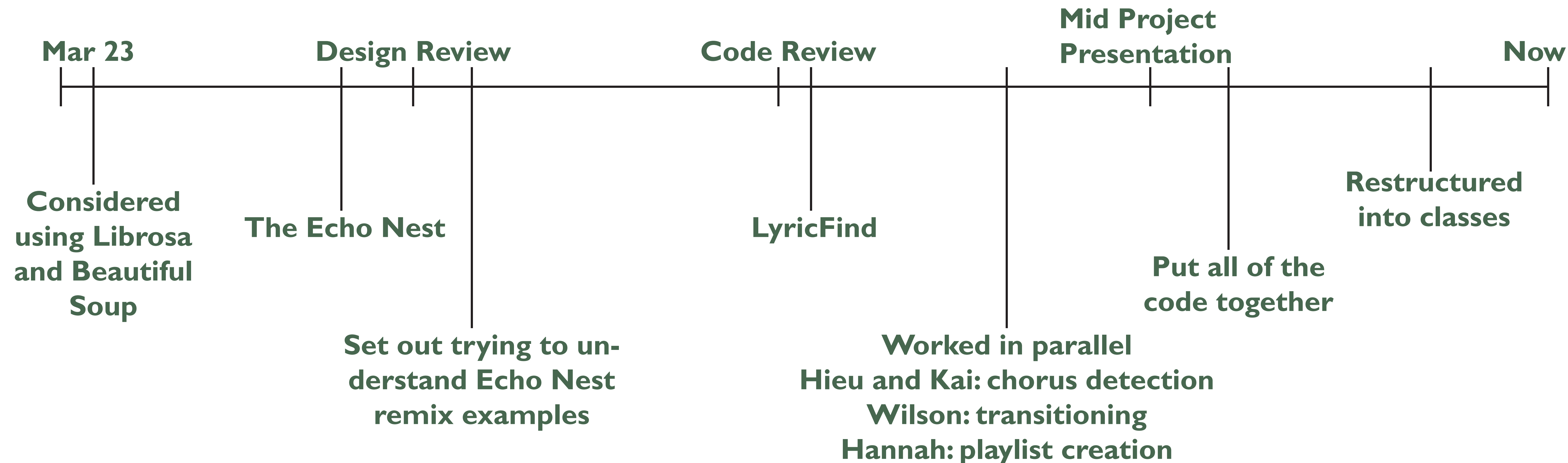
For our project specifically, we focused on transitions between songs. In this process, we had to consider multiple components of a song (i.e., bpm, pitch)

## Libraries Used

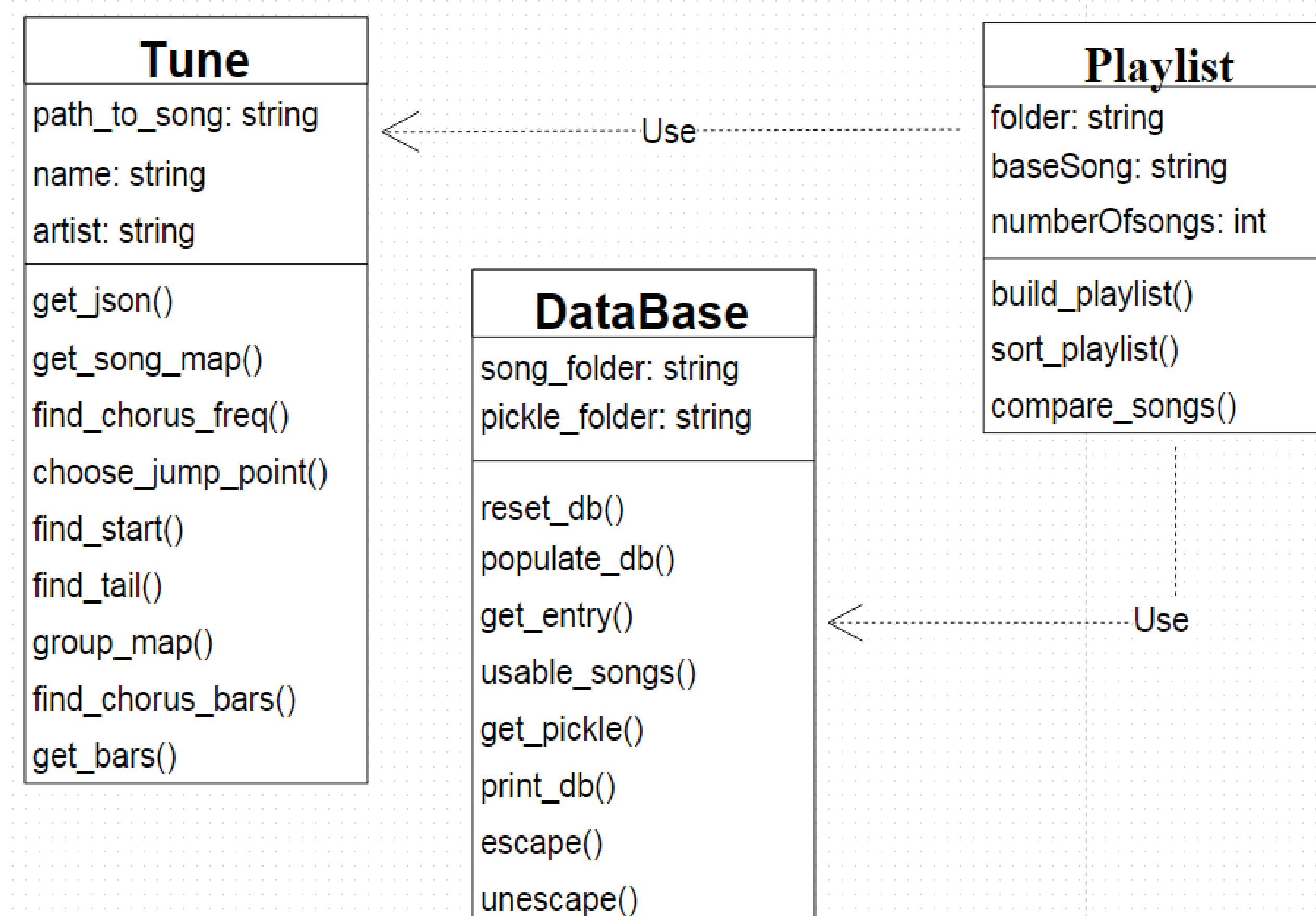
**LYRICFIND** ▶

**the echonest**

## Our Project Evolution



## Code Architecture



## Flow Chart: Our Final Code

