

6.170: Software Studio

Fall 2014

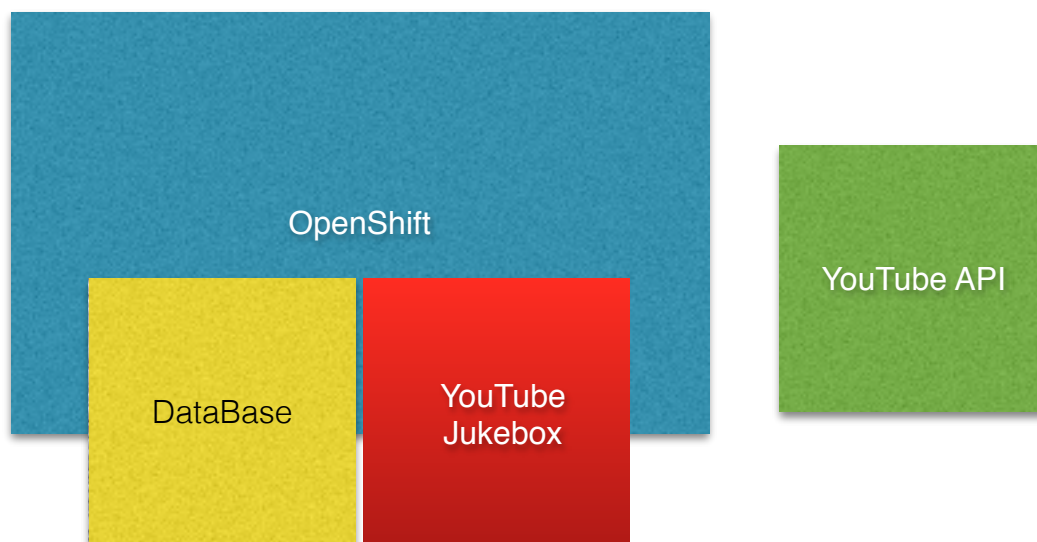
YouTube Jukebox: Notes for Discussion

Purpose:

- Make it easier to utilize YouTube as a service for listening to music.
- Allow users in close proximity of each other to all have control of what they're listening to.
- Allow friends to connect with each other's music taste in real-time.

Context:

The application will be deployed on the OpenShift platform and will make heavy use of the YouTube API to find song results. The parties include a listener, a host with speakers connected to their device and the YouTube API.



Concepts:

Rooms- Each user can host at most one room. Other users can join this room and add songs to the queue.

Queue - The place where one can simply search for a song and have it played on the hosts computer

Host - The user that is playing the YouTube video with speakers connected to their computer.

Listener - The other users adding songs to the host's queue

Data Model:

