Arnav Luthra – Section E - aluthra

**Project Proposal – AutoDJ**

My project AutoDJ looks to allow an individual to listen to soundcloud tracks mixed together through crossfading and beatmatching. The beatmatching will be done using the Echo Nest remix API. The user can search through soundcloud tracks and add them to a queue which displays each track queued and information on that song. The queue can be reordered. The track currently playing will be displayed next to the queue and will feature the album art for the song and well as the track info. The album art and search results are acquired from the soundcloud API. The tracks are downloaded from soundcloud via the soundcloud-download module and are played by the mp3play module.