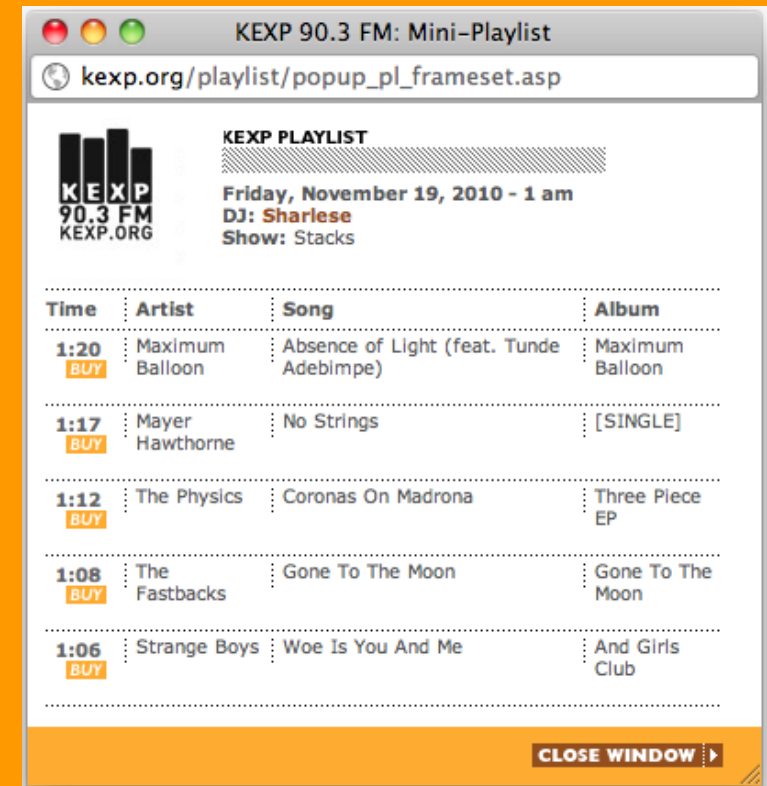


# Our Vision

We envision creating a simple application dedicated to allowing Seattle's KEXP radio listeners to identify and keep track of songs that they like.

Our product will be comprised of two components, each with their own somewhat unique features:

- An Android app that will allow users to:
  - tag songs that they like
  - view a list of their tagged songs
- A web app that will allow users to:
  - also tag songs that they like
  - view and manage their tagged songs
  - view song suggestions based on songs they've tagged
  - export their song data to other music services (e.g., Groovshark)



KEXP 90.3 FM: Mini-Playlist  
kexp.org/playlist/popup\_pl\_frameset.asp

**KEXP**  
90.3 FM  
KEXP.ORG

**KEXP PLAYLIST**  
Friday, November 19, 2010 - 1 am  
DJ: Sharlese  
Show: Stacks

Time	Artist	Song	Album
1:20 BUY	Maximum Balloon	Absence of Light (feat. Tunde Adebimpe)	Maximum Balloon
1:17 BUY	Mayer Hawthorne	No Strings	[SINGLE]
1:12 BUY	The Physics	Coronas On Madrona	Three Piece EP
1:08 BUY	The Fastbacks	Gone To The Moon	Gone To The Moon
1:06 BUY	Strange Boys	Woe Is You And Me	And Girls Club

CLOSE WINDOW



# Technologies

Mobile App



Web Framework



Database



Crawler



Server



# Challenges

- **Crawling:** We can only hit KEXP's website at most once every 6 seconds, so we need to come up with a clever way to account for song endings/beginnings
- **Suggestions:** We plan on creating N-grams from the historical playlist data available on KEXP's website for providing song suggestions, but we don't know if it will work well or not
- **Web/Mobile App:** How can we keep data synced between these two platforms?
- **Third Party:** How can we hook into Grooveshark, iTunes Music Store, Amazon MP3?