CS653 Project
Online Music Sharing Platform

Jayant Agrawal (14282)
Nayan Deshmukh (14418)

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1 Initial abstract

We plan to create an online music platform for people. It can be used to create playlists, play music, upload and share songs with each other. We will use the widely used Yesod Framework in Haskell to implement the same. Since the platform would require file IO, Monads in Haskell would be very useful. Sharing platforms are often used for sharing malicious content. Haskell's type safety features can help rule out these Run-time vulnerabilities as compile time errors. Also, a platform at this scale would require using a lot of callbacks to make it non-blocking. But, haskell's run-time is inherently asynchronous which makes it much more convenient

2 Actual implementation

We were able to complete most of the goals that we proposed in our initial abstract. We also added new features on top of what we initially proposed. We add fucntionality to allow users to follow other users and get update regarding their activity. We faced a lot of time in getting our code to compile as we were not used to Haskell. The error messages of Haskell compiler are more crytic as compared to gcc.