Group 7 – Project Proposal

Members:

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Description:

* The project aims to create a music database service that similar to IMDB.
* The database will have a library of songs’ info such as: song’s name, artist, album…
* The service will allow users to create an account, login and add the songs to their personal account. The user can also comment, like, rate the song.
* The project will have a web GUI interface which allow user’s interactions.

Technical Aspects:

* We will be using MySQL to build a relational database.
* The project consists of a web front-end, a server back-end and a database
* Front end will be developed using AngularJS, HTML, CSS, Jquery
* Back end will be developed using NodeJS
* The database will be MySQL with the use of nodejs-mysql module to connect it with the server
* We will be using Spotify API for the music the catalog. When a user decide to add the song to their library, or comment on it … we will then save that info in our database.
* There should be no machine restriction on the project.

The Proposal:

* We Group 7 love music.
* We listen to online music from sources such as: Spotify, Pandora …
* We each have a music library/ database that we manage on local drive
* The problem arise when we need to find a particular song if we already have (own) it,
  + In order to find that one song, we would need to search on each online services, then if it isn’t there, we need to find on the local drive.
  + Similar scenario when we need to share a song. We either give them the name of the song as text or trying to find the song online and send the song’s link to the friend.
  + The whole process is very inconvenient
* Therefore, we propose a musicDB, which act as a global **music info** catalog.
  + A user of the service will have a library which is a subset of the global music info catalog
  + The users manage their library by adding songs from the global catalog to their library, remove songs from their library, creating playlists…
  + The user can comment, rate the song

Benefits:

* + - When user add a song to their library, they know that they have listen/own/have access to that song.
    - Whenever they heard a song, they can look up in the service to know if they already have that song or not.
    - They can see the comments on the song to know if they should purchase that song.
    - With enough data collected, will probably have one of the most varied library of international music