M7011E Project Proposal

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The Repository

https://github.com/Gurr3/M7011E_Dynamic_web_system

The Blog

https://github.com/Gurr3/M7011E_Dynamic_web_system/tree/master/Blog

The Idea

The project idea is a dynamic web system that link togeather music that the users deem similar. The users will be responsible for telling the site which artists, albums or tracks that are similar. Possible extension include functionality for ratings and reviews. The data input to the system will be new artists, albums and their tracks by the users. The system will be based on a hierarchical structure where albums will be linked to albums, and artists to artist, not albums to artists.

The How

API
- RESTful API using nodejs with express.

Frontend Features
- Register new user, *integrate OpenID, *by Google Accounts
- Add new artists, albums and tracks
- Make a connection between two tracks, albums or artists
- *Rate albums, artists, tracks
- *Review artists, albums, tracks
- *User administration - add, remove, edit users.
- *Statistics over usage

Backend Features
- User database
- Media database, should be switchable for other mediums, (nosql?)
- Logic for linking in the current hierarchical level (artist -> artist , album -> album)

```
DBuser
 |
 |
LOGIC -- frontend
 |
 |
DBmedia
```