

המחלקה להנדסת תוכנה Software Engineering Dept. הנדסה. עיצוב. אמנות. ENGINEERING. DESIGN. ART

The Pernick Faculty of Engineering . הפקולטה להנדסה ע"ש פרניק

Relabel

Software Engineering B.Sc.

Software Design Document

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1. Introductions

a. Overview

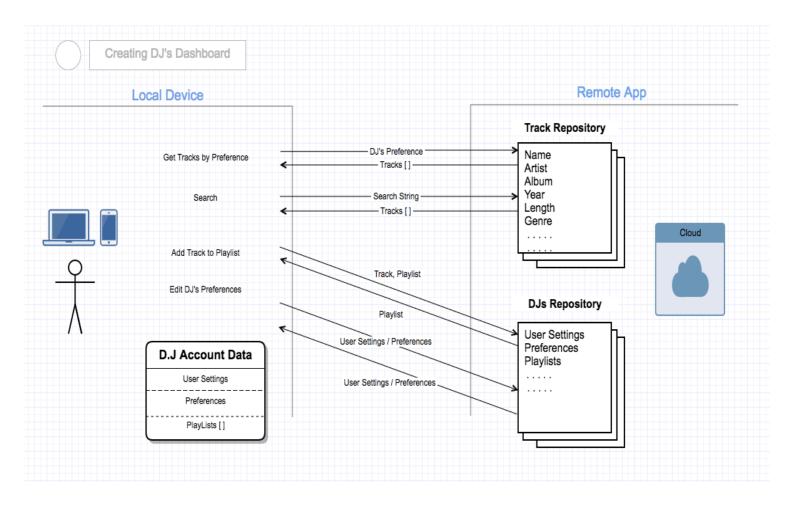
Relabel is a platform aimed for DJs to explore Trance music based by their own taste, and make it easy for them to instantly listen, like & add tracks into your individual playlists and more.

b. Functional Requirements

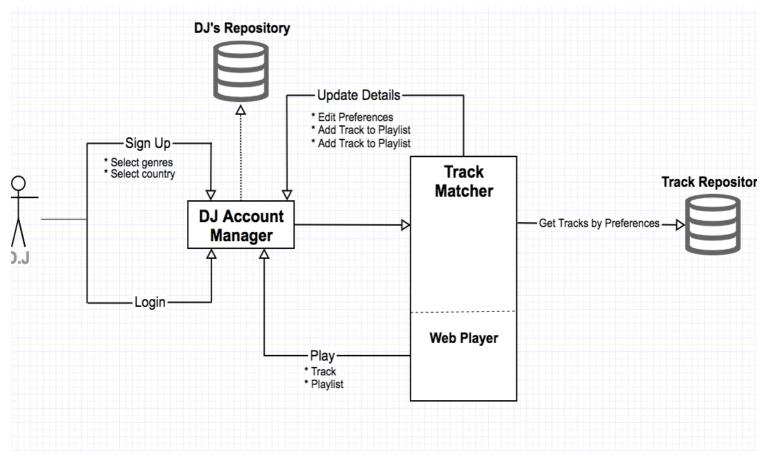
- Make DJs profile while gathering information about the user's favorite styles.
- Propose music tracks base on the user's profile and preferences.
- Give the user an option to build playlists, sets, and save it.
- Helping the user explore different Trance genres and allowing him to know new artists & tracks.
- Music Player allow to jump between tracks in the save playlist.

2. System Architecture

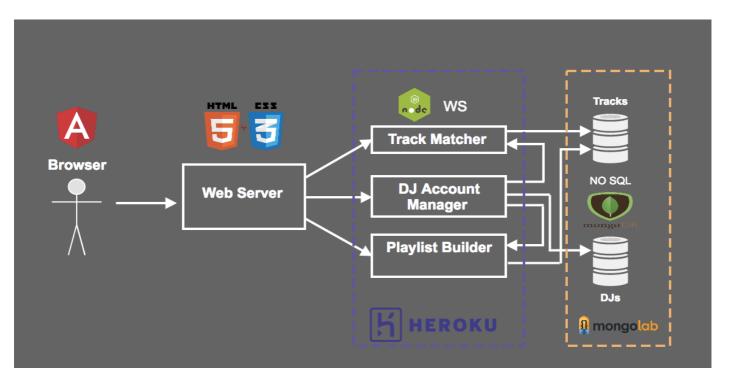
a. Data



b. Usages



c. Technologies Review



d. Track Repository Scheme

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{
 2
            "id": Number
            "Name": String,
 3
            "Artist": {
 4
 5
                        "artist_id": Number,
                        "Name": String,
 6
                        "Country": String
 7
 8
            },
            "Album": String,
 9
            "Year": Number,
10
            "Length": {
11
                        "Minutes": Number,
12
                        "Seconds": Number
13
14
                      },
15
            "Genre": [String]
16
```