Relabel

Software Engineering B.Sc.

Software Design Document

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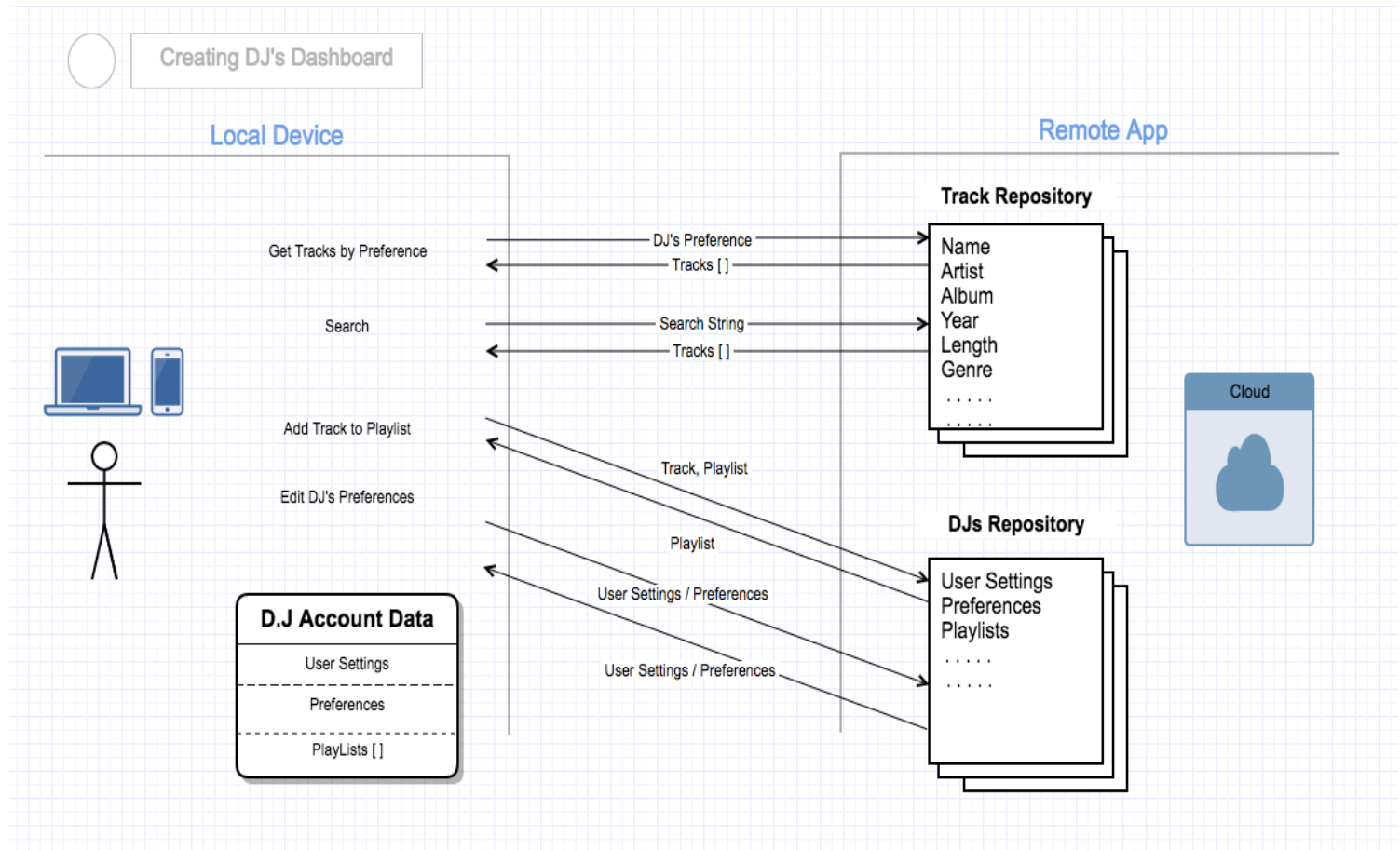08/06/2017

Content

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.
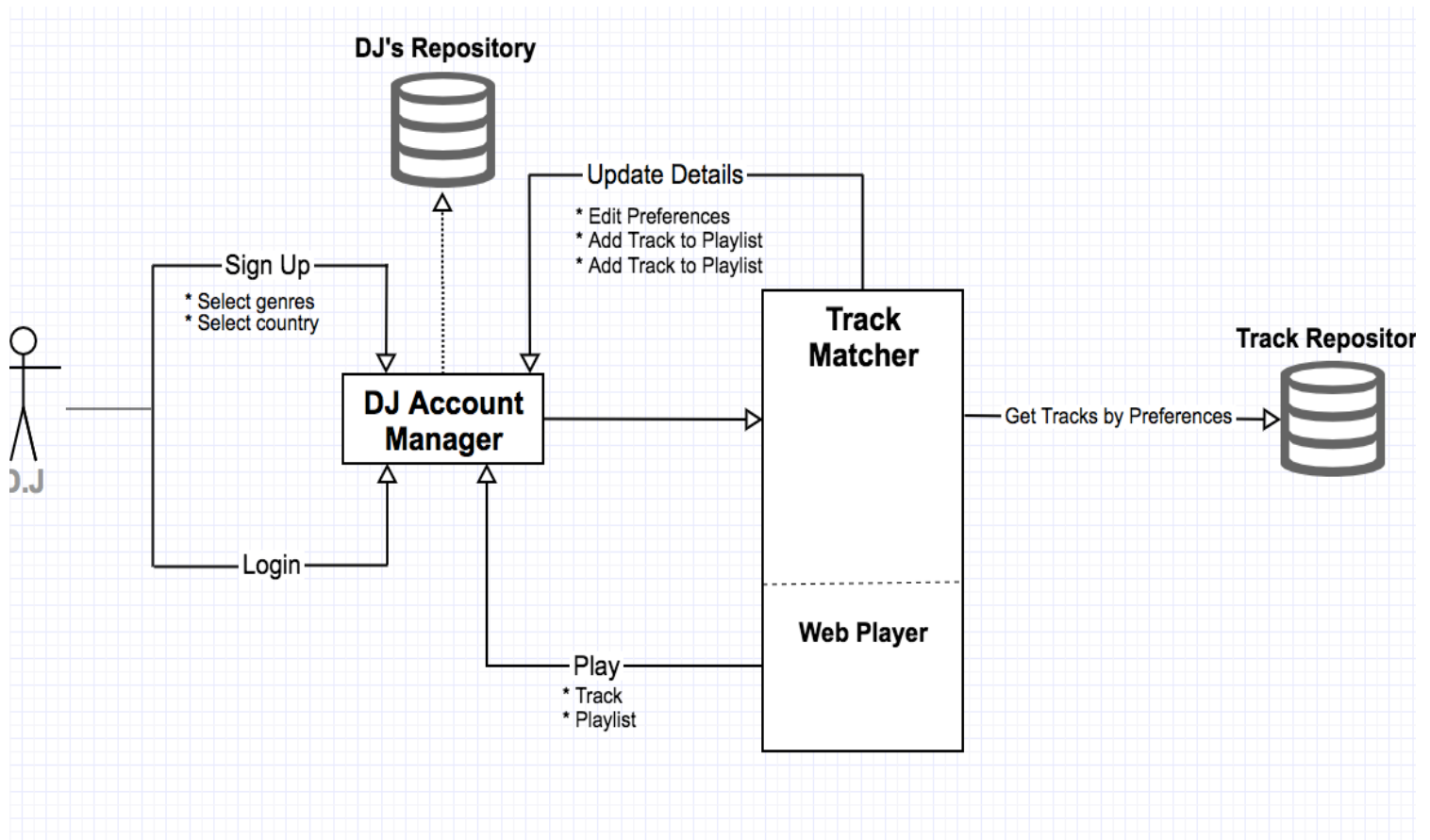
b. Functional Requirements

- 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.
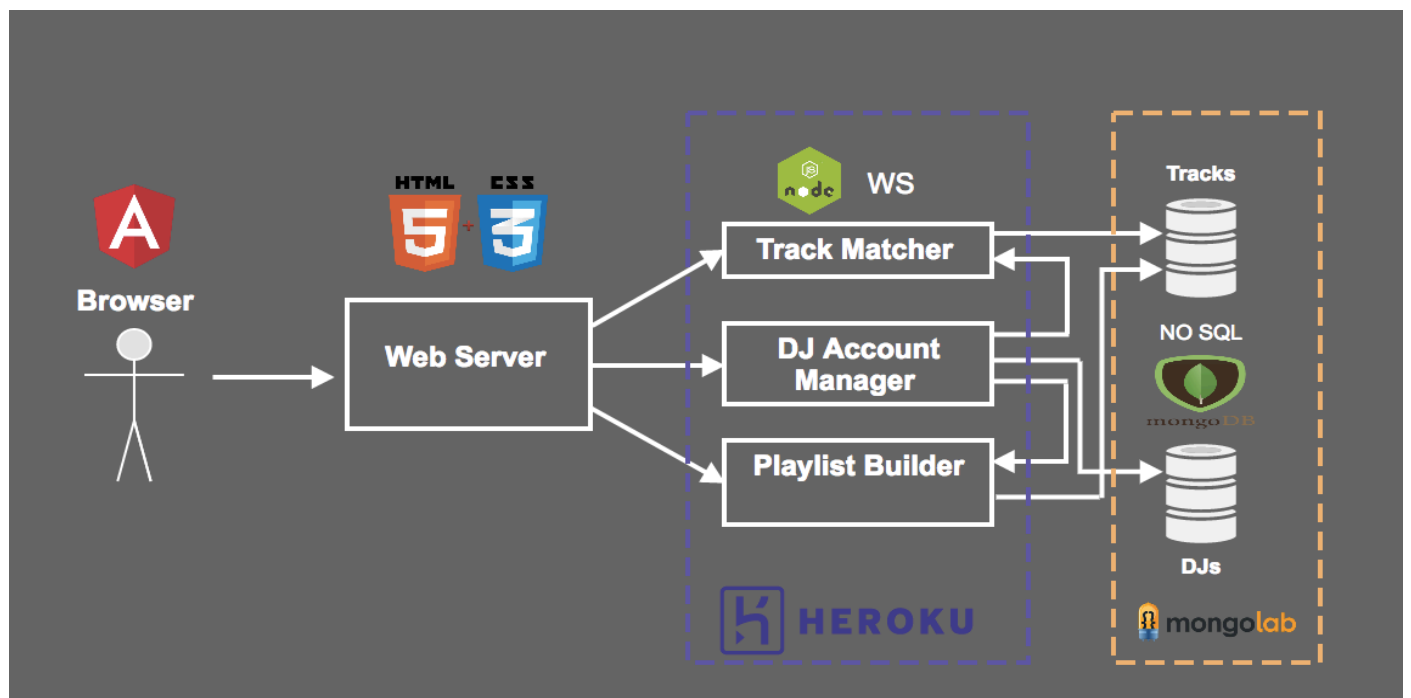
2. System Architecture

a. Data

b. Usages

c. Technologies Review

d. Track Repository Scheme

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1    {
2        "id": Number
3        "Name": String,
4        "Artist": {
5                    "artist_id": Number,
6                    "Name": String,
7                    "Country": String
8        },
9        "Album": String,
10       "Year": Number,
11       "Length": {
12                   "Minutes": Number,
13                   "Seconds": Number
14               },
15       "Genre": [String]
16   }
```