



Melodice

by Mohammad Zidane and Niklas Herzog

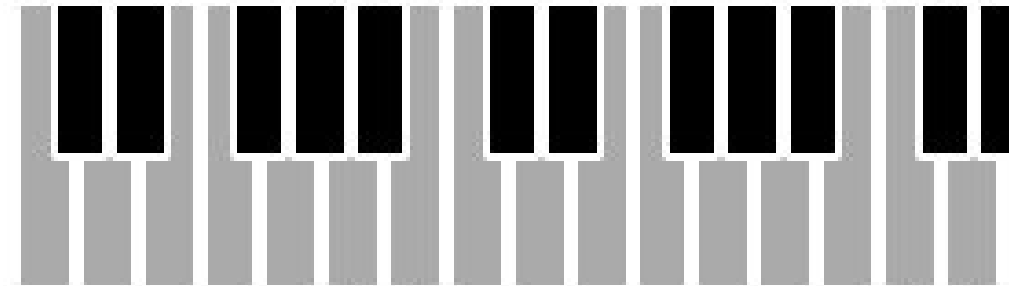
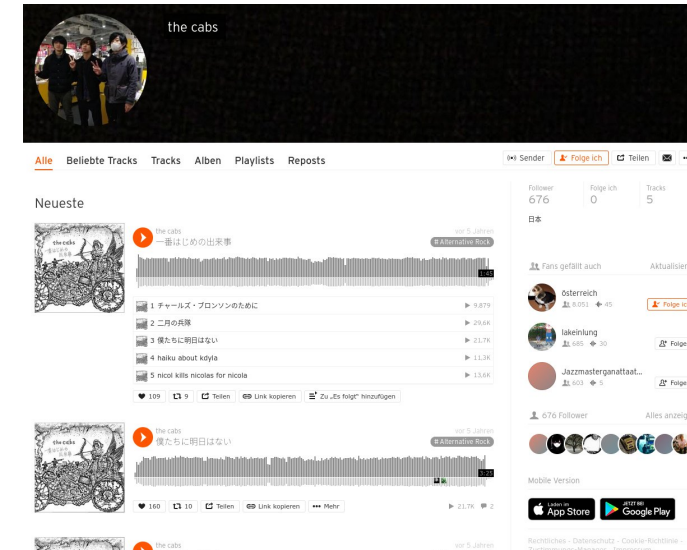


Gliederung

- kurze Vorstellung
- Frontend
- Backend (APIs angeboten)
- Datenbank
- Ausbaustufe
- Final Steps

kurze Vorstellung

- Plattform für Musiker
- Synthesizer
- Songs abrufbar mit Lyrics + Namen etc
- Instrument Komponente:
 - Web-Midi API support
 - Play, Record, Save
 - Learning Help



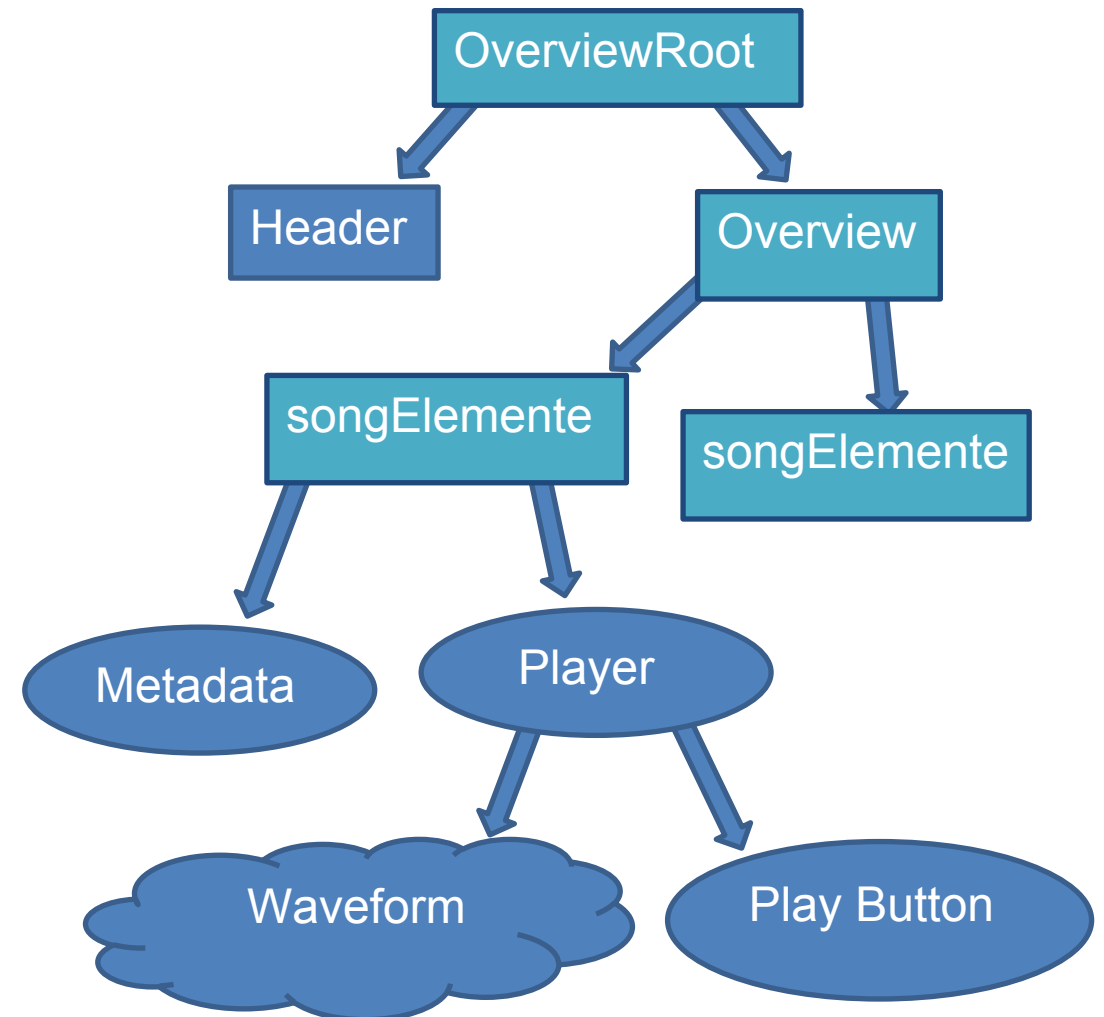
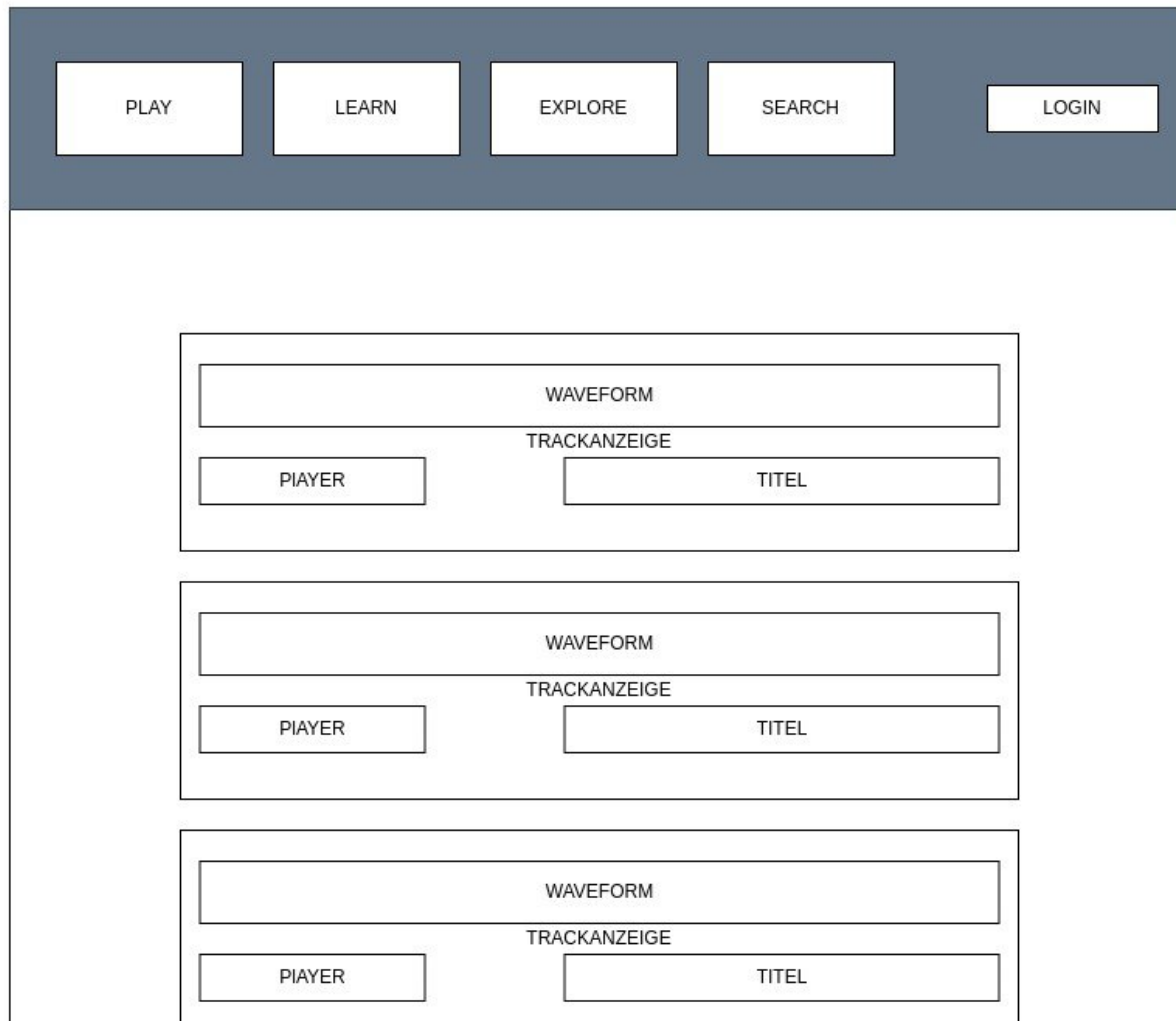


Frontend

- Live Demo

<http://194.94.204.27:10094>

Frontend





Backend

- Audio
 - return mp3 of a track
 - <http://194.94.204.27:10091/audio/<ID>>
- Matcher
 - find tracks by name
 - <http://194.94.204.27:10092/matcher/<NAME>>
- Lyrics
 - return lyrics of a track if exists
 - <http://194.94.204.27:10093/lyrics/<ID>>
- getFullData
 - get all Songs from DB OR get full Data of one Song
 - <http://194.94.204.27:10097/getfulldata/<ID>>
- PostNew
 - post new Track to Backend
 - http://194.94.204.27:10098/api_post_new/

Datenbank

- Mongoose + MongoDB



Song

_id: String
author: String
type: ['both', 'audio', 'lyrics']
author: String
lyrics: String
audiofile: String



Ausbaustufe

- Keyboard grob funktionsfähig
- eigene API Calls in Frontend
- Strukturierung Frontend
- Backend Services Vollständig



Final Steps

- Fremde APIs konsumieren
- Team APIs konsumieren
- Note-Highlighting und MIDI Unterstützung
- Styling für Overview Komponente



THE END

Danke für ihre Aufmerksamkeit!