



SETLIST ORGANIZER

Maksim Meliashchuk

EPAM Java Web Development Course 2021-2



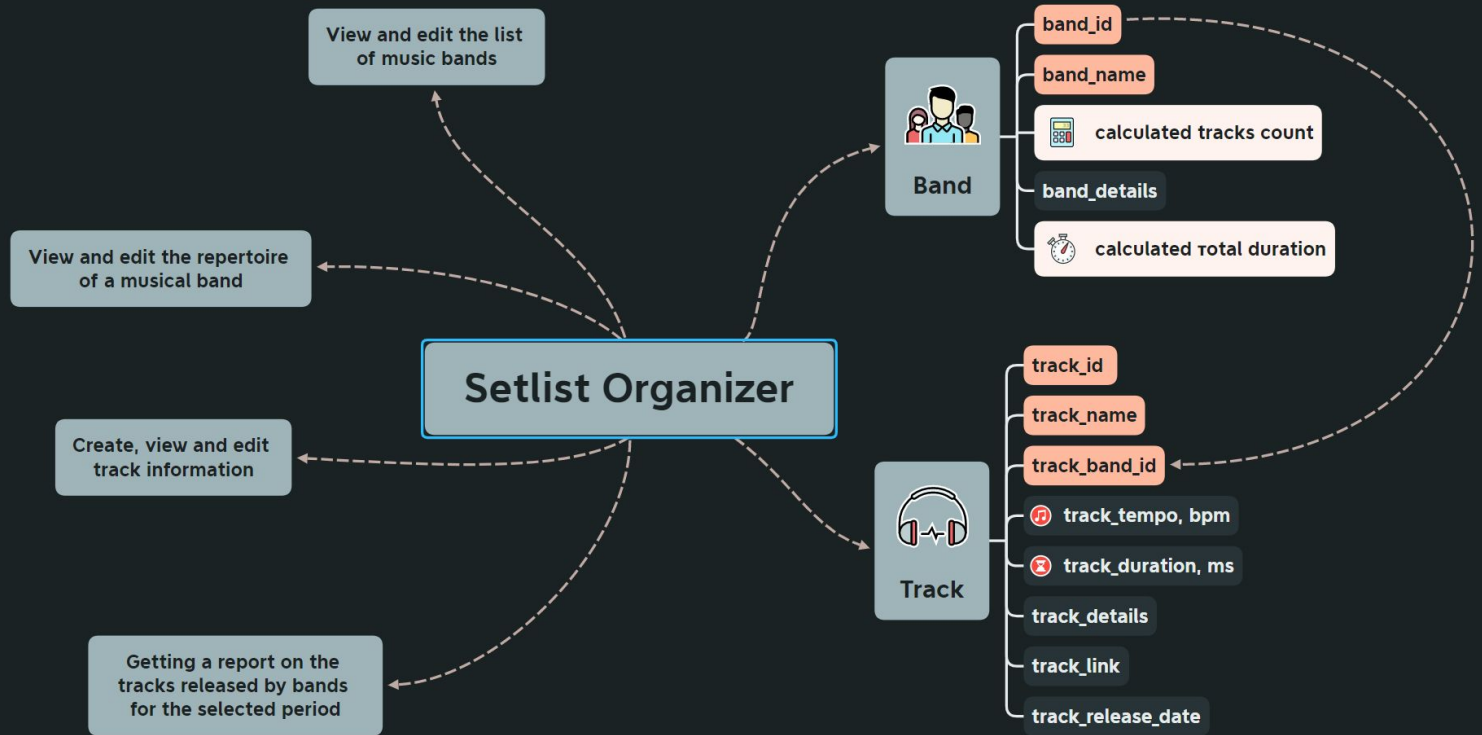
PURPOSE

The web application is needed to manage band repertoires and help musicians create setlists for concerts and rehearsals.

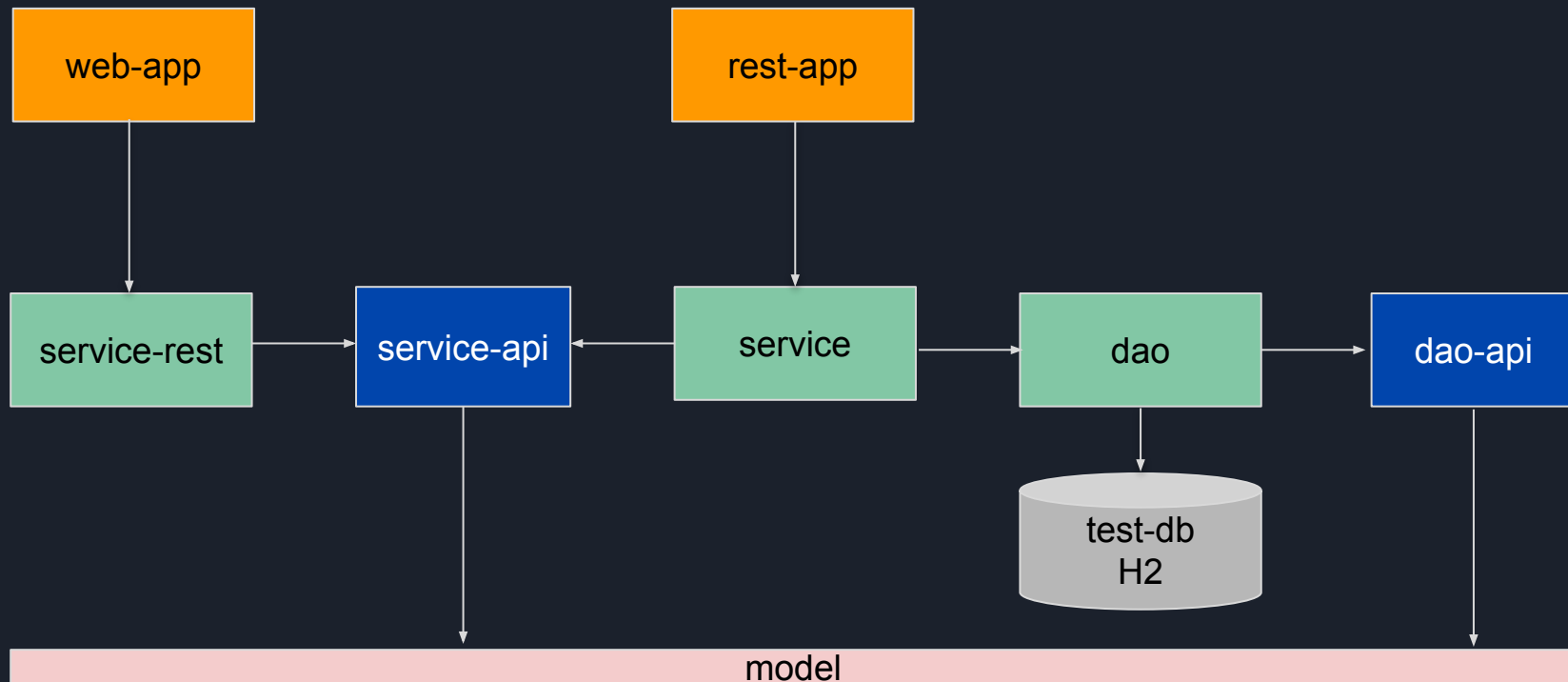
FUNCTIONS

- View and edit the list of music bands (CRUD for bands)
- View and edit the repertoire of a musical band (one band to many tracks relationship)
- Create, view and edit track information (CRUD for tracks)
- Getting a report on the tracks released by bands for the selected period

Mind Map



Dependencies of the multi-module project





Modules details

test-db	SQL init scripts and configuration class for H2 DB connection
model	entity classes used in the application
dao/dao-api	classes DAO that implement operations using JDBC
service	classes that implement service-api and provided logic for working with data sent to and from the DAO
rest-app	classes that implement REST controllers
service-api	interface for implementing interaction with databases and controllers
service-rest	classes that implement service-api operations where the Spring REST Client — RestTemplate
web-app	UI that presents the application's features and data to the user, controllers classes, configuration classes for development and deploying



REST-APP Technology Stack

- Framework: Spring Boot
- Build System: Maven
- Validation Framework: Hibernate Validator
- Automated Testing:
 - ❑ JUnit5
 - ❑ Mockito
- Log: Log4j 2
- Java JSON library: Jackson
- Data base: H2



WEB-APP Technology Stack

- Framework: Spring Boot
- Build System: Maven
- Validation: Spring validator
- Automated Testing:
 - ❑ JUnit5
 - ❑ Mockito
- Log: Log4j 2
- Java JSON library: Jackson
- Template Engine: Thymeleaf
- CSS Framework: Bootstrap
- JavaScript

UI DESIGN



SETLIST ORGANIZER

An easy way to organize your repertoire!



Release date from: 19.01.2022

to: 28.12.2021

Submit

Add



Drones

MUSE

02:15 · 104 bpm

Jan 12, 2000

Tuning:EADGBe

https://www.youtube.com/watch?v=rvX7lgrx47M&ab_channel=Muse-Topic



Uprising

MUSE

03:20 · 129 bpm

Mar 12, 2021

[SYNTH BASS]

https://www.youtube.com/watch?v=w8KQmps-Sog&ab_channel=Muse



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BANDS

REPertoire

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Uprising

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03:20 · 129 bpm

Mar 12, 2021

[SYNTH BASS]

https://www.youtube.com/watch?v=w8KQmps-Sog&ab_channel=Muse

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Absolution

MUSE

01:57 · 90 bpm

Feb 12, 2012

[Preset 51]

https://www.youtube.com/watch?v=Mp6W0IzLIW8&ab_channel=TheMuse

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Time Is Running Out

MY COVER BAND

02:00 · 104 bpm

Jul 12, 2012

with chords as replacement or the distorted guitar

https://www.youtube.com/watch?v=Q2luJPh6h-A&ab_channel=Muse

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