CHARLIE

Music quiz application powered by Spotify

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Content

- Idea

- Demo

- UML

- Testing

Idea   Demo   UML   Testing

Idea

- Music quizzes
  - Time consuming to make and correct
  - Author can't participate

- Spotify API
  - Get information about users playlists and tracks

- Inspiration from "Kahoot!"
  - An application for text based quizzes and learning

Idea   Demo   UML   Testing

Demo

- Create generate a Quiz based on a Spotify playlist

- Accept an invite to a quiz

- Play the quiz

- See scoreboard
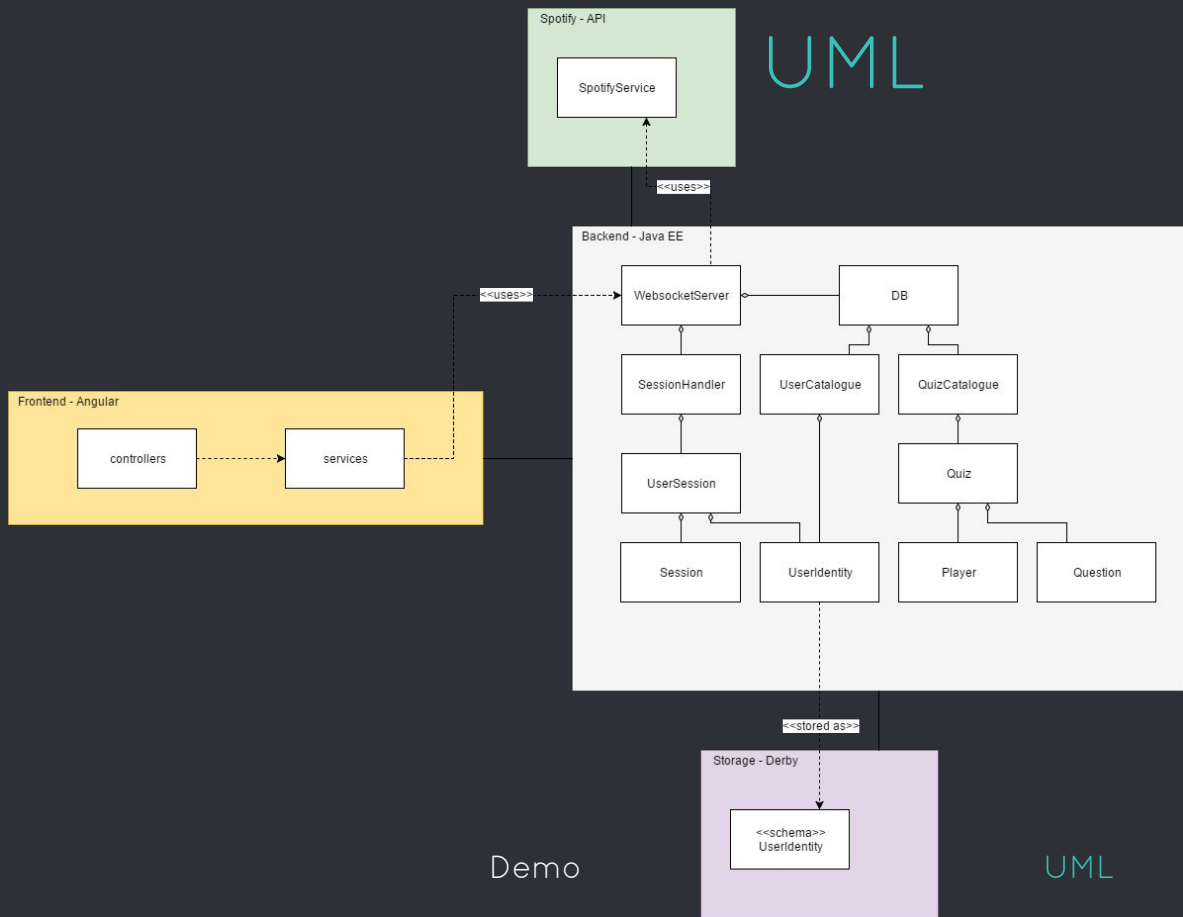
- Save the generated playlist to Spotify

Idea   Demo   UML   Testing

UML

Spotify - API

SpotifyService

Backend - Java EE

WebsocketServer — DB

SessionHandler — UserCatalogue — QuizCatalogue

UserSession — Quiz

Session — UserIdentity — Player — Question

<<uses>>

<<uses>>

Frontend - Angular

controllers → services

Storage - Derby

<<schema>>
UserIdentity

<<stored as>>

Idea   Demo   UML   Testing

Testing

- Arquillian for persistence layer (database)

- Jasmine for communication layer (websocket)

- JUnit for restful service layer (Spotify api) and internal models

Idea

Demo

UML

Testing

Questions?