Music Player SPA

Front-end Project

Introduction

Create a Frontend project that simulates a music player through a web interface with a list of available songs to fill the main playlist.

Features

- Show a list of all available songs (title, artist, genre, duration, rate) (retrieved server side)
- Show *Play/Pause* button (icon should change based on the state)
- Show *Play next song* and *Play previous song* buttons
- Show details (title, artist, duration) for currently playing song
- Display a progress bar which moves in real time based on a duration
- Search input to filter in the list of available songs by name, artist and genre
- Sort columns of available songs by name, artist and genre
- User should be able to rate a song (assigned score from 0 to 5 with increments of 1)
- When a song ends the next one should start

Notes

- Really important to provide a summary outlining your rational, setup instructions, logic and approach
- List the missing features that you were not able to implement (due to the limited time) considering the project as a big application in a company
- Explain eventual usage of 3rd party libraries

Complete the project as much as possible in a day. Technical requirements:

- Create a SPA in any framework of your choice (Angular1, Angular2, React, jQuery, VanillaJS, ...)
- Tests (from e2e to unit)
- RESTful server (it should be really simple and basic)
- JSON feed consumption
- Cross browser compatibility (IE11, Firefox, Safari, Chrome)
- Automation tasks appreciated
- No restrictions on CSS
- No need to play any audio file!
- Clean code
- Structure should be the same thinking of a bigger project
- Feel free to use the [server provided](#) (it should be really simple and basic)