Top Albums API Challenge

WeeCare Back End Challenge

This code challenge allows you to choose your own path and lets you flaunt your creative panache and technical skills along the way. Spend as little or as much time as you would like to complete your chosen path.

In a fictional world, we are branching into the music business and need to develop an API to retrieve the different albums we want to showcase on our website. We can leverage the iTunes album library to help populate our own inventory.

Base Requirements For All Levels

- Create an API endpoint that can retrieve the top 100 albums based on the json feed here: https://itunes.apple.com/us/rss/topalbums/limit=100/json
- A clean & modern RESTful API architecture for retrieving the top 100 albums
- Clean, readable, maintainable codebase
- Code can be written in any language, but preferably in PHP
- Host source code on GitHub

Levels of Awesome

Choose one of the following routes for your journey.

Novice

- All of the base requirements
- Add API documentation so that engineers know how to use the API endpoints
- Add integration and/or unit tests to showcase your comfort level with writing tests around code

Intermediate

- All of the base, and novice requirements
- Rather than calling the iTunes library directly, store the data in a database.
  - Showcase your database design skills
  - Include the SQL files to create the database
- Include additional filtering options on the API endpoints to allow the consumer to restrict and/or sort on data.

Expert

- All of the base, novice, and intermediate requirements
- Add more endpoints to create, update, and/or delete album records
- Add some sort of user authentication to the create, update, delete endpoints

Bonus Round

- Surprise us! Add any enhancements that you think would add to functionality or engineering usability.

Submission

- Please email devops@weecare.co with a link to the source code on GitHub and a route to a hosted API (if applicable).