Sensor Music Player

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August 26, 2018

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1 About

The project is committed to the GitHub, you can find here.

The main structure of the repository is *a valid Android project* with several additionals folders, like the:

- **backend** folder where the *Python* and *JavaScript* codes are stored
- **docs** folder where the documents about the project are stored

2 Node.js

In Node.js is very simple to create a small web server for REST calls.

2.1 Installation

2.2 Configuration

Used tutorial: Build Node.js RESTful APIs in 10 Minutes

2.2.1 Mongoose

2.2.2 Express

2.2.3 Nodemon

3 MongoDB

MongoDB to store signal data from the *Y axis* of the accelerometer from the Android devices.

3.1 Drop collection

Code:

```
show dbs
use <db>
show collections
db.<collection>.drop()
```

Listing 1: MongoDB shell commands to drop a collection

4 Python PyPlot

Install library from here

5 Postman

Installed according to this article: How to install Postman native app in Linux Mint 18.3

Used to test the main functionalities of the Node.js server.