

# Monstercat Stack Test

The point of this assignment is to assess your knowledge and skill level against the development stack used by the Monstercat developer team. You will be expected to deliver a working project that can be spun up and run on a live server.

## Assignment

### Outline

Given data in CSV format you will need to create a small web application that serves JSON data from an HTTP API and is rendered by the client using HTML, CSS, and JavaScript.

It is expected that you return your work within 3 days.

### Scenario Simulation

Given a data set of albums and their listen count, we want to see the the top 20 albums and their listen count displayed on a web page interface.

### Evaluation

Your test will be evaluated as a real world simulation using the following and more aspects:

- Time
- Architecture
- Design
- Optimization
- Resourcefulness

## Tasks

### Basic Server Stack

- Create a simple application that runs a HTTP server using Node to deliver asset files, your client interface, and JSON data.

## **HTTP API**

- Using Mongo or Postgres as your database write a unix script to import the CSV data as is into your schema.
- Write a module that communicates with your database schema to retrieve the imported data and produce the top 20 albums.
- Hook up your module into your HTTP server to request with your client.

## **Client Interface**

- Using standard web technologies (HTML, CSS, and JavaScript) write a simple web page that informs the user about what data they are seeing.
- Using an HTTP GET request to fetch your data from your server, display the data in chart form. Feel free to display the data however you choose.

## **Documentation**

- Write a ‘readme’ document explaining your project and provide instructions on how to install and run your project.
- Be sure to document your code where needed.