

# Interact with APIs

Tech Test

## Goal

**Produce a program which, when given the name of an artist, will produce the average number of words in their songs.**

This can be a CLI app or a web frontend -- your choice. Whatever you choose please provide documentation on how to run it and interact with it.

## What we're interested in seeing

Seeing how you get, parse, and aggregate the data.

## Stretch goals

These goals are not required, but if you have a specific skill you want to showcase, here's the place to do it.

If you get the task done quickly and want to show off, here's some ideas:

- Compare two or more artists
- Speed up the app (that lyrics API is really slow huh?)
- Show more statistical data, such as:
  - Min and max length
  - Variance
  - Standard deviation
  - Change in average by album/year
  - etc...
- Visualisations (charts, graphs, etc)

## Submission

Please submit a git repository either in a zip file or hosted on GitHub or a similar service, and email the link to your contact at AireLogic.

Please make sure to include instructions on how to run the project and install any prerequisites. If we cannot run the project then we won't be able to review this test.

# Pointers

There are two APIs that will help you to get this working (you may use other data sources to complete this task if you wish):

- [https://musicbrainz.org/doc/Development/XML\\_Web\\_Service/Version\\_2](https://musicbrainz.org/doc/Development/XML_Web_Service/Version_2)
- <https://lyricsovh.docs.apiary.io/#reference>