Code Challenge Instructions

You've been given a data set as a json file with 100 records in it, the challenge is to showcase some interesting software engineering with the data set.

The Data Set

The data set is all about compounds and their assay results which represent a much simplified view of the data we deal with in the drug discovery domain. Don't worry if you don't have a clue about drug discovery, it's all just pictures, strings and numbers the same as every other business. Each compound can have one or more assay result so it's just a standard master detail scenario.

There are two files, `compounds.json` is the data file and `schema.json` describes the data (fields, types and so on).

There is also a subfolder called `images` which contains 100 png images, one for each record in the data set.

The Rules

- Don't incur any costs, free tools are available.
- Use whatever tech stack you prefer that will show off your skills to the max.
- You have up to 1 week to complete the challenge, we appreciate you are busy with life and work so if you need longer let us know early on or consider doing something simple.

The Deliverables

- Please check your solution into github (or similar) and share the repository with lhumphreys@exscientia.co.uk
- The repository must contain a README file (.md is good) that describes the very simple and easy to follow steps needed to use / start up your solution.
- Include in your repo any build / deploy scripts, we are interested in your whole solution.

Stuck?

If you are a backend sort of person why not create a script that loads the `compounds.json` data into a database then expose the data via an API.

If you are a front end sort of a person why not render `compounds.json` in a master detail web app, there are enough fields in the file to create a simple chart too.