

## The Teller Data Comparison Challenge

At Teller we spend a lot of time comparing HTTP requests and responses to identify patterns and changes across bank client versions. Being able to identify these changes in an easy way is important as we discover what needs to change in our code.

For this exercise we want to produce a simple tool that will allow somebody on the team to compare two sets of HTTP requests and responses. We want to see what's changed, what's been added and what's been taken away. We are also concerned if the order of the data has changed between versions too, by this we mean orders of headers, keys in JSON and the requests and responses too.

The tool can be GUI based or CLI based, that is up to you. It should accept two files containing the data you wish to compare and produce output assisting the user with identifying the changes between the two inputs.

You can write this solution in a language of your choosing however we would prefer it if you attempted it in Elixir. Your solution should require as few dependencies as possible.

You will find attached to the email some JSON data containing examples for two versions of an application.

We will assess the solution based on:

- problem solving ability (method for comparing, finding the differences etc)
- code quality (is the code easy to read, extend etc)
- how you expose the output to the user of your tool

You can supplement the code with a readme explaining your decisions