

# Coursera Honor Grande

## Bridge between CSV files and APIs

### 1. Introduction

- On a daily basis, engineers are dealing with APIs and CSV files. The idea is to fill the gap between CRUD apis , that often does not support batch creation of objects and CSV files that contains many records. The purpose here is have a web platform that would call an APIs for each line contained in the CSV file, in order to create / update entries.
- The value here would be the addition of batch insert in any existing API.

### 2. Expected List of Features

- One can upload a CSV file. This CSV file will generate a project
- For each project you can define the target API, and the column mapper (I.E the column name "IDENTIFIER" maps to the field "id" in the API) and means of authentication
- When defined, you can trigger the CSV->API job and control the status code of your APIs.

These features are the minimal set to help one to fill the gap between a CSV file and an API.

### 3. Market Survey

The only service I've found that provides this kind of service is easycsv.io

- feature set looks very similar but Google Sheets is supported
- many other connectors are existing
- interface is messy and it is hard to understand what happens

There is also jq, a command line tools that can be used to reformat JSON. This is not quiet the same issue, but there is clear need of tooling to map outputs / inputs of heterogeneous systems.

### 4. References

<https://easycsv.io>

<https://jqplay.org>