# Take Home Challenge

Build a simple Python Django Application that will meet the following conditions:

1. Create a view to upload and Ingest the supplied csv file.
2. Validate the data based on the following conditions:
   1. Any line item with the same A side and Z side IP address should fail.
   2. Any line item where the circuit id does not match the following format should fail
      1. 99.A9AA.9999.AAAA (9 =numeric, A=char)
3. Store the data in logical relational tables defined below:
   1. A customer can have one or many circuits.
   2. A circuit can only have two sites.



1. Make the data available using a REST service consumable in a JSON format. The service should provide two endpoint (see attached swagger doc).
2. If there is time! Build a view to edit the data.

* Do not be concerned with the backend service. This can be a simple sqllite file backend.
* The application can be delivered as a link to a Docker registry container or Git repository.
* Be prepared to talk to the following points:
  + Entity relations
  + Code Structure
  + REST Endpoint Authentication and Security
  + Testing