DESCRIPTION

Since we are a LeadGen company we receive a lot of contact data with a lot of variance. Which makes sending these contacts back to our customer (API receiver) sometimes challenging since each customer has their own set of rules. How they want to receive data, API requirements, specifications which contacts they decline and sometimes contract conditions.

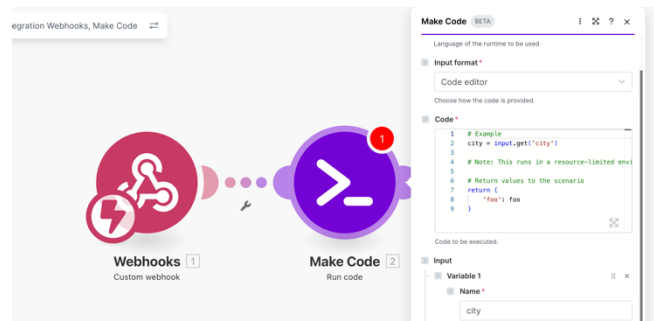Therefore we prepared two API endpoints to emulate a real world scenario.

1) Can send an arbitrarily chosen solar lead from our database to a webhook URL of your choosing.
2) A fake customer API endpoint which expects data exactly like one of our customers. The documentation from the customer will be provided as well
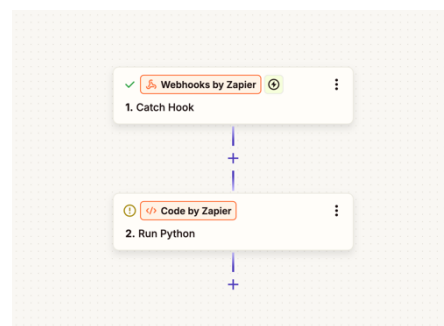
GOAL

Develop a solution that can receive lead / contact data on a single URL. You can trigger API endpoint 1) to help you receive any number of contacts. Decide if data matches the demands of our fictive customer. That only accepts contacts from zipcode region 66*** and the person must be the owner of the house. If yes, transform the data so it will be accepted by the API endpoint 2) and sent it there. Using Make or Zapier is allowed but it is mandatory to use at least one code module to perform the necessary data conversion step. Programming language is free to choose in those modules. Building an entire custom solution without automation tools is allowed too as long it requires code to be written (i.e.: small Python Django project, or a node.js app running on a server) using AI to help you generate a boilerplate project is of course fine. Please mark AI generated code with comments.

Hint for automation tools:

Make example screenshot

Zapier example screenshot

EXTRA POINTS

What extra steps could be built into the solution so the customer will be even more happy than simply sending over contact data which Is fit for the API? Either explain what could be done or build it into your solution.

API ENDPOINTS

All endpoints need this bearer token for authentication -> **FakeCustomerToken**

1) https://contactapi.static.fyi/lead/trigger/fake/USER_ID/

    Replace USER_ID with the one found in your email.
    Expects a JSON object. Supports 2 keys, url and headers
    url: sets the target URL where it will send an arbitrary lead.
    headers: optional, can be used to pass HTTP headers to the url

CURL EXAMPLE

```
curl -X POST \
-H"Authorization: Bearer FakeCustomerToken" \
-d'{"headers": {"X-Header": "xyz"}}, "url": "https://hooks.zapier.com/hooks/catch/25539447/uk9f25i/"}' \
https://contactapi.static.fyi/lead/trigger/fake/USER_ID/
```

2) https://contactapi.static.fyi/lead/receive/fake/USER_ID/

    Replace USER_ID with the one found in your email.
    Excepts JSON data, more details please look at the files:

    customer_doc.pdf
    customer_attribute_mapping.json

CURL EXAMPLE

Found in *customer_doc.pdf*