# JotForm Lambda Docs

## Overview:

These docs will be used as a reference to our JotForm Lambda function. The flow starts in JotForm.

Flow:

JotForm -> Lambda -> S3 -> Glue -> Athena -> QuickSight

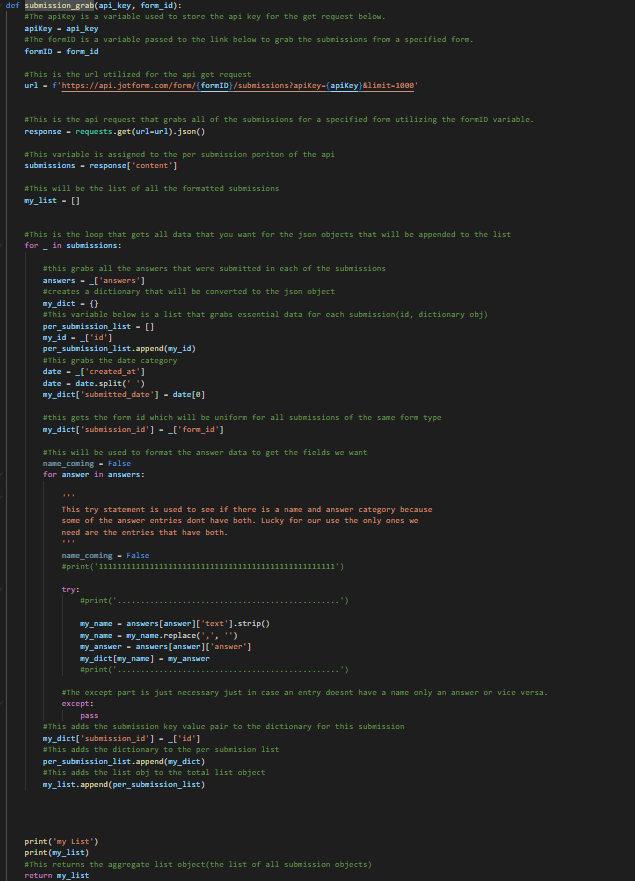
The idea is each JotForm has a webhook that attaches to an endpoint URL that is made from API Gateway and lambda interacting. From there the lambda function determines if it is a new JotForm or a JotForm that already exists in S3. From there depending on if it is new or exists, it either utilizes the webhook payload(if exists), or API(if it is a new form). Below there will be a detailed section that talks about the different python files involved, and the functions within those files.

## webhook\_integration.py:

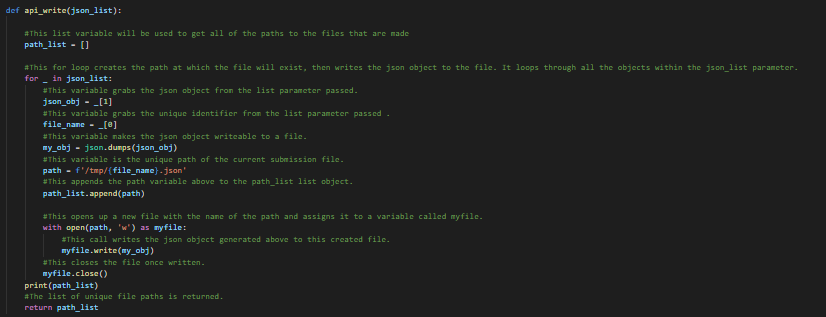
## api\_integration.py:

(Necessary Libs: JSON, Requests, Boto3)

### submission\_grab(api\_key, form\_id):

* This function is used to go through and grab all of the submissions for a JotForm, and turn all of the submissions into formatted Json objects.
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### api\_write(json\_list):

* This function is responsible for writing all of the Json objects created in the submission\_grab function to a temporary lambda directory.
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### api\_template\_build(api\_key, form\_id):

* This function is responsible for building the Json template that will be used to make the webhook Json objects. This Json template will map the shorthand questions to their long text counterparts.
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## s3\_methods.py

## lambda\_function.py: