Using requests to collect api data from (U's bike loas 3 webscraping to collect CU weather data

ijson, we can make get requests for specific jsons.

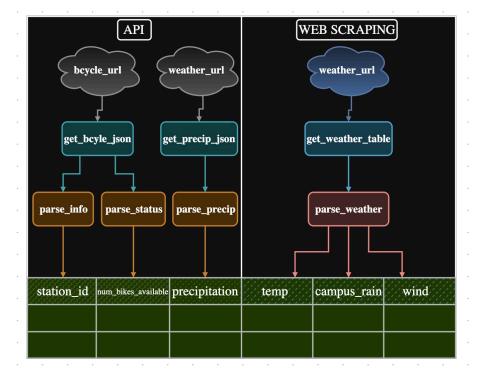
from that specific json we chose,
we will either use parse_into or parse_status tunction those functions allow for us to handpick the values we want.

web scrapina

using get_weather table, we can scrape the website for the table with the weather into.

with the given weather table, we can use parse_weather

function. this function will allow us to hundpick the weather values



api logging

Main URL

The boyde_url used is the GBFS
(General Bikeshore Feed Specification)
for the boulder boycle stations.

These are organized in json format.

Array Organization all arrays are either 1d or 2d numpy arrays.

this array holds the two get request names for the url. station-array: [int...]

this array holds the index of the boycle stations on campus. into-columns = [str, ...]

this array holds the values of the specific data wanted from the into json.

status_columns = [strj...]
this array holds the values
of the outa we want to
collect from the status json.

Aet-bocycle ison
this function takes in a string as the url with the request name.

this is fetched as a get request, which will return a json of the specific request.

this function takes in the into joon from get_boxcle_joon().

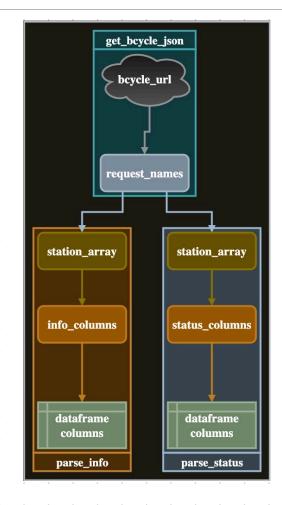
using joon parsing we calogorize our search by only indexing the values in

then using the same technique, we categorize our search by indexing the values in our into-columns. These values are then converted to dataframe columns that represent the into-columns.

Daße_status
This function takes in the status json
from get_bcycle_json().

using joon parsing we categorize our search by only indexing the values in the station array.

then using the same technique, we catogorize our search by indexing the values in our status columns. These values are then converted to dataframe columns that represent the status columns.



datatione organization

the columns we are collecting for the data frame.

each value is saved to the df using df. at