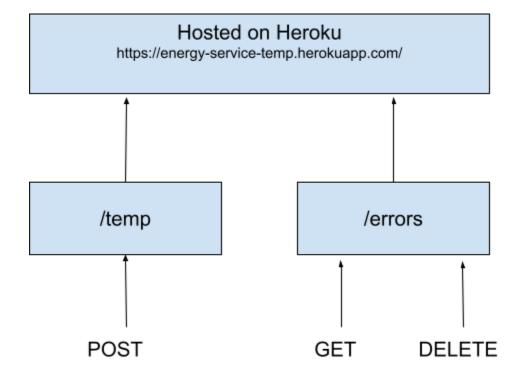Aishwarya Sahai

Energy Service Design Doc

DESIGN:

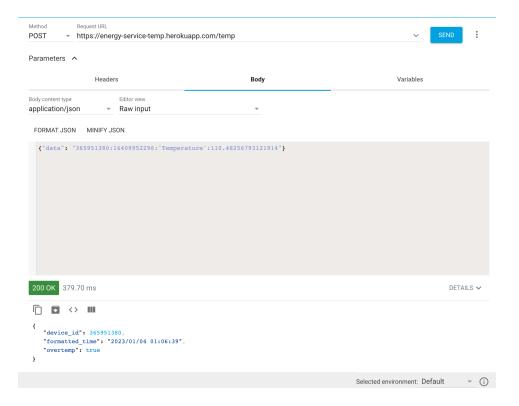This app hosts 2 endpoints -

1. https://energy-service-temp.herokuapp.com/temp - POST
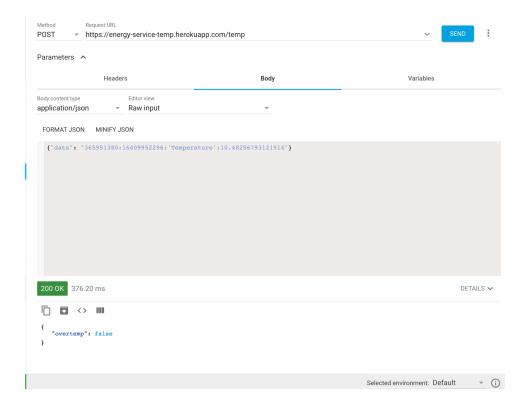2. https://energy-service-temp.herokuapp.com/errors - GET, DELETE

Test Scenarios:

The following scenarios have been tested on Advanced Rest Client-

Aishwarya Sahai

1. /temp - 200 OK with temperature above 90

Method	Request URL		
POST	https://energy-service-temp.herokuapp.com/temp	⌄	SEND ⋮

Parameters ⌃

Headers	**Body**	Variables

Body content type   Editor view
application/json   ⌄   Raw input   ⌄

FORMAT JSON   MINIFY JSON

```json
{"data": "365951380:16409952296:'Temperature':110.48256793121914"}
```

200 OK 379.70 ms   DETAILS ⌄

```json
{
    "device_id": 365951380,
    "formatted_time": "2023/01/04 01:06:39",
    "overtemp": true
}
```

Selected environment: Default   ⌄ ⓘ

2. /temp - 200 OK with temperature below 90

Method	Request URL		
POST	https://energy-service-temp.herokuapp.com/temp	⌄	SEND ⋮

Parameters ⌃

Headers	**Body**	Variables

Body content type   Editor view
application/json   ⌄   Raw input   ⌄

FORMAT JSON   MINIFY JSON

```json
{"data": "365951380:16409952296:'Temperature':10.48256793121914"}
```

200 OK 376.20 ms   DETAILS ⌄

```json
{
    "overtemp": false
}
```

Selected environment: Default   ⌄ ⓘ

3. /temp - 400 Bad Request

Method	Request URL		
POST ▼	https://energy-service-temp.herokuapp.com/temp	▼	SEND ⋮

Parameters ∧

Headers	Body	Variables

Body content type
application/json ▼

Editor view
Raw input ▼

FORMAT JSON   MINIFY JSON

```
{"data": "365951380:16409952296,bca:'Temperature':10.48256793121914"}
```

400 BAD REQUEST   384.20 ms   DETAILS ∨

▢ ⬇ <> ▥

```
{
    "error": "bad request"
}
```

Selected environment: Default ▼ ⓘ

4. /errors - GET - 200 OK

Method	Request URL		
GET ▼	https://energy-service-temp.herokuapp.com/errors	▼	SEND ⋮

Parameters ∧

Headers	Variables

▢ <> Toggle source mode   + Insert headers set

Header name	Header value		
content-type	application/json	✕	✎

ADD HEADER

A̦   Headers size: 30 bytes

200 OK   367.70 ms   DETAILS ∨

▢ ⬇ <> ▥

```
{
  -"errors": [Array[3]
      0:  "365951380:164099hjk52296:'Temperature':10.48256793121914",
      1:  "365951380:164099hjklmo52296:'Temperature':10.48256793121914",
      2:  "365951380:16409952296,bca:'Temperature':10.48256793121914"
  ],
}
```

Selected environment: Default ▼ ⓘ

5. /errors - DELETE - 200 OK

Method	Request URL		
DELETE	https://energy-service-temp.herokuapp.com/errors		SEND

Parameters ⌃

Headers	Body	Variables

⟨⟩ Toggle source mode ＋ Insert headers set

Header name	Header value		
content-type	application/json	✕	✎

ADD HEADER

Headers size: 30 bytes

200 OK 370.00 ms   DETAILS ⌄

```
{
    "msg": "buffered cleared"
}
```