DEMO OF THE APPS COMMUNICATING

❖ An end-to-end integration test implemented in the rat pack app that triggers a light to dim
  1. Setting response values through the Json payload by path /setLevel.
  2. Check values are set or not by using get method.

```
⬛ AppTest.java    ⬛ SmartAppTest.java    🖳 Console ⊠
<terminated> SmartAppTest [JUnit] C:\Program Files (x86)\Java\jre1.8.0_151\bin\javaw.exe (Oct 26, 2017, 11:43:26 AM)
[main] INFO ratpack.server.RatpackServer - Starting server...
[main] INFO ratpack.server.RatpackServer - Building registry...
[main] INFO ratpack.server.RatpackServer - Ratpack started (development) for http://localhost:63756
Received: /setLevel
Received: /switchStatus
Checking the value: 0 is set into the switches - [{"name":"DimmerSwitch","value":0},{"name":"DimmerSwitch[1]","value":0}]
Received: /setLevel
Received: /switchStatus
Checking the value: 25 is set into the switches - [{"name":"DimmerSwitch","value":25},{"name":"DimmerSwitch[1]","value":25}]
Received: /setLevel
Received: /switchStatus
Checking the value: 50 is set into the switches - [{"name":"DimmerSwitch","value":50},{"name":"DimmerSwitch[1]","value":50}]
Received: /setLevel
Received: /switchStatus
[main] INFO ratpack.server.RatpackServer - Stopping server...
Checking the value: 99 is set into the switches - [{"name":"DimmerSwitch","value":99},{"name":"DimmerSwitch[1]","value":99}]
[main] INFO ratpack.server.RatpackServer - Server stopped.
```

❖ A postman request to the ratpack app that triggers a light to dim

  1. Through localhost setting value to the Dimmer using POST by path setLevel

```
POST ∨    http://localhost:5050/setLevel                                    Params    Send ∨

Authorization    Headers (1)    Body ●    Pre-request Script    Tests

○ form-data  ○ x-www-form-urlencoded  ● raw  ○ binary   JSON (application/json) ∨

1 ▾ {
2        "value":"89"
3   }
```

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2. Checking the switch values by path switchStatus using GET method.

GET ∨	http://localhost:5050/switchStatus		Params	**Send** ∨

Authorization   Headers   Body   Pre-request Script   Tests

Key	Value	Description	•••	Bulk Edit
New key	Value	Description		

Body   Cookies   Headers (4)   Test Results   Status: 200 OK   Time: 310 ms

Pretty   Raw   Preview   JSON ∨

```
 1  [
 2      {
 3          "name": "DimmerSwitch",
 4          "value": 89
 5      },
 6      {
 7          "name": "DimmerSwitch[1]",
 8          "value": 89
 9      }
10  ]
```