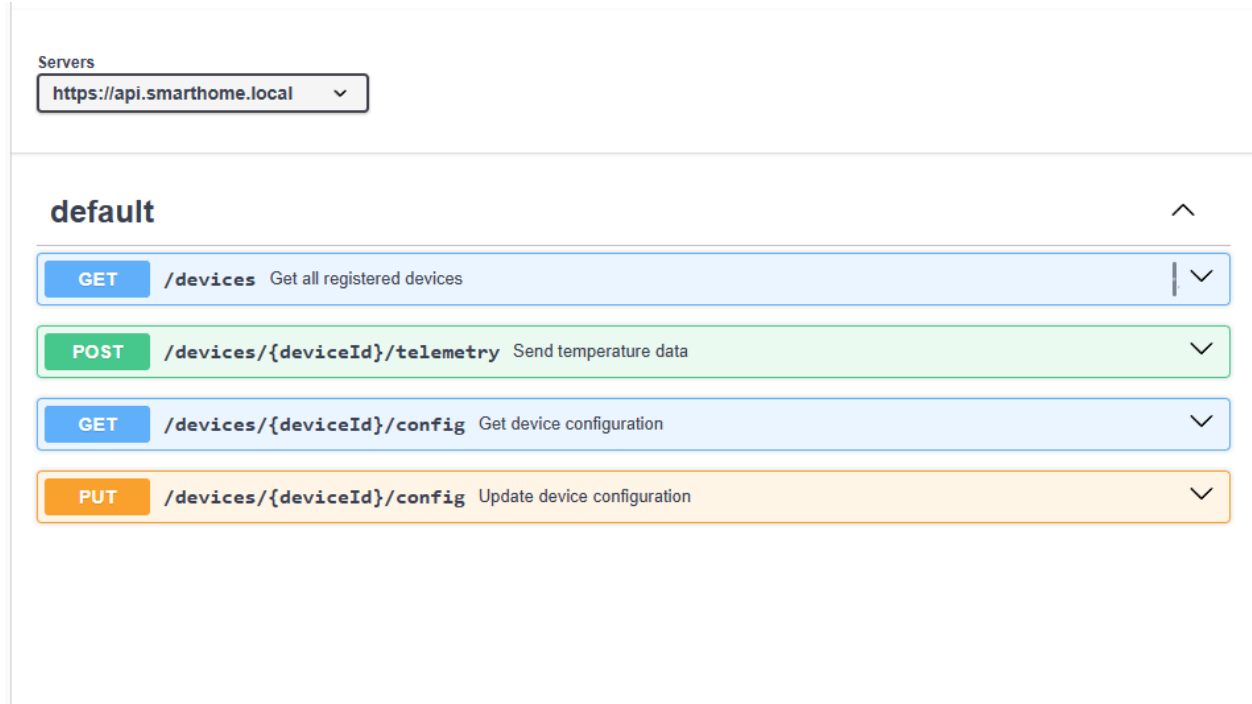


Swagger Editor Screenshots

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```
1  openapi: 3.0.0
2  info:
3    title: Smart Thermostat IoT API
4    description: REST API for managing smart thermostats, customers, and temperature data
5    version: 1.0.0
6
7  servers:
8    - url: https://api.smarthome.local
9
10 paths:
11   /devices:
12     get:
13       summary: Get all registered devices
14       responses:
15         '200':
16           description: List of devices
17
18   /devices/{deviceId}/telemetry:
19     post:
20       summary: Send temperature data
21       parameters:
22         - name: deviceId
23           in: path
24           required: true
25           schema:
26             type: string
27       requestBody:
28         required: true
29         content:
30           application/json:
31             schema:
32               type: object
33               properties:
34                 temperature:
35                   type: number
36                 humidity:
37                   type: number
38       responses:
39         '200':
40           description: Telemetry received
```

```
41
42  .. /devices/{deviceId}/config:
43  ..  get:
44  ..    summary: Get device configuration
45  ..    parameters:
46  ..      - name: deviceId
47  ..        in: path
48  ..        required: true
49  ..        schema:
50  ..          type: string
51  ..    responses:
52  ..      '200':
53  ..        description: Configuration returned
54
55  ..  put:
56  ..    summary: Update device configuration
57  ..    parameters:
58  ..      - name: deviceId
59  ..        in: path
60  ..        required: true
61  ..        schema:
62  ..          type: string
63  ..    requestBody:
64  ..      required: true
65  ..      content:
66  ..        application/json:
67  ..          schema:
68  ..            type: object
69  ..            properties:
70  ..              targetTemperature:
71  ..                type: number
72  ..              mode:
73  ..                type: string
74  ..    responses:
75  ..      '200':
76  ..        description: Configuration updated
77
```



Code for Frontend Using Swagger

openapi: 3.0.0

info:

title: Smart Thermostat IoT API

description: REST API for managing smart thermostats, customers, and temperature data

version: 1.0.0

servers:

- url: https://api.smarthome.local

paths:

/devices:

get:

summary: Get all registered devices

responses:

'200':

description: List of devices

/devices/{deviceId}/telemetry:

post:

summary: Send temperature data

parameters:

- name: deviceId

in: path

required: true
schema:
 type: string
requestBody:
 required: true
 content:
 application/json:
 schema:
 type: object
 properties:
 temperature:
 type: number
 humidity:
 type: number
responses:
 '200':
 description: Telemetry received

/devices/{deviceId}/config:

get:
 summary: Get device configuration
 parameters:
 - name: deviceId
 in: path
 required: true
 schema:
 type: string
 responses:
 '200':
 description: Configuration returned

put:
 summary: Update device configuration
 parameters:
 - name: deviceId
 in: path
 required: true
 schema:
 type: string
 requestBody:
 required: true
 content:
 application/json:
 schema:

```
    type: object
    properties:
      targetTemperature:
        type: number
      mode:
        type: string
  responses:
    '200':
      description: Configuration updated
```