Smart House Solutions API

1. Get all devices

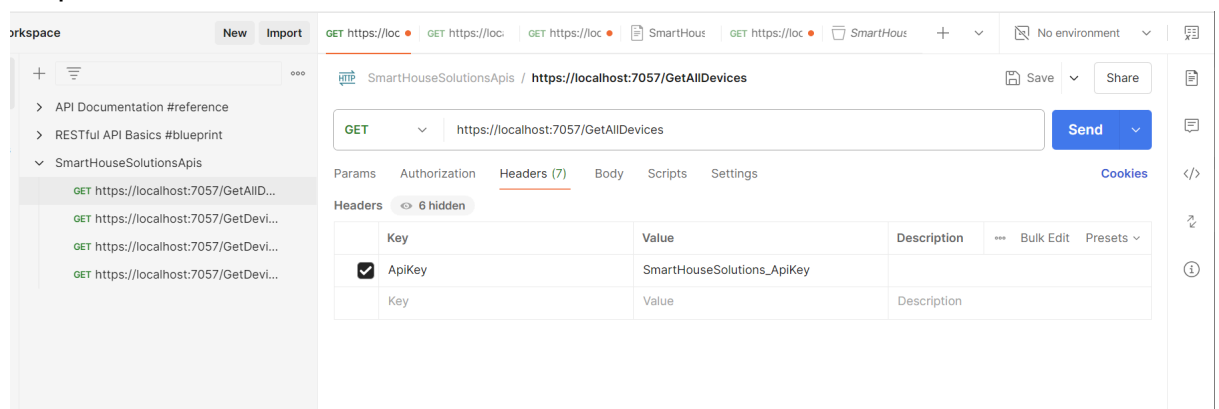Endpoint: `/api/Devices/GetAllDevices`

Method: GET

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves all devices in the system along with customer information.

Request:

Response:

```
{
    "$id": "1",
    "$values": [
        {
            "$id": "2",
            "deviceId": 1,
            "deviceName": "Living Room Camera",
            "deviceType": "Camera",
            "customerId": 1,
            "customerName": "Rahul Sharma",
            "customerEmail": "rahul.sharma@sample.com"
        },
        {
            "$id": "3",
            "deviceId": 2,
            "deviceName": "Front Door Alarm System",
            "deviceType": "Alarm System",
            "customerId": 1,
```

```json
        "customerName": "Rahul Sharma",
        "customerEmail": "rahul.sharma@sample.com"
    },
    {

        "$id": "4",
        "deviceId": 3,
        "deviceName": "Backyard Camera",
        "deviceType": "Camera",
        "customerId": 3,
        "customerName": "Amit Patel",
        "customerEmail": "amit.patel@sample.com"
    },
    {

        "$id": "5",
        "deviceId": 4,
        "deviceName": "Garage Alarm System",
        "deviceType": "Alarm System",
        "customerId": 4,
        "customerName": "Sneha Rao",
        "customerEmail": "sneha.rao@sample.com"
    },
    {

        "$id": "6",
        "deviceId": 5,
        "deviceName": "Kitchen Camera",
        "deviceType": "Camera",
        "customerId": 5,
        "customerName": "Vikram Singh",
        "customerEmail": "vikram.singh@sample.com"
    }
  ]
}
```

2. Get device by Id

Endpoint: /api/Devices/GetDeviceById/{deviceid}

Method: GET

Path Parameter: The ID of the device to retrieve.

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves device information in the system along with customer information for requested device id.

Request:

Response:


```json
1  {
2      "$id": "1",
3      "deviceId": 5,
4      "deviceName": "Kitchen Camera",
5      "deviceType": "Camera",
6      "customerId": 5,
7      "customerName": "Vikram Singh",
8      "customerEmail": "vikram.singh@sample.com"
9  }
```

3. Get device by type

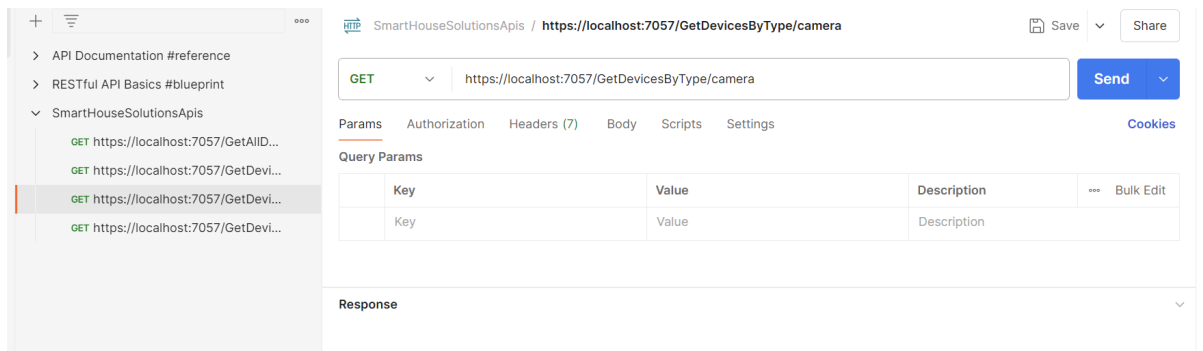Endpoint: /api/Devices/GetDevicesByType/{typeName}

Method: GET

Path Parameter: The type of the device to retrieve.

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves device information in the system along with customer information for requested device type.

Request:

SmartHouseSolutionsApis / **https://localhost:7057/GetDevicesByType/camera**

GET https://localhost:7057/GetDevicesByType/camera

Params Authorization Headers (7) Body Scripts Settings

Query Params

Response

Response:

```json
{
    "$id": "1",
    "$values": [
        {
            "$id": "2",
            "deviceId": 1,
            "deviceName": "Living Room Camera",
            "deviceType": "Camera",
            "customerId": 1,
            "customerName": "Rahul Sharma",
            "customerEmail": "rahul.sharma@sample.com"
        },
        {
            "$id": "3",
            "deviceId": 3,
            "deviceName": "Backyard Camera",
            "deviceType": "Camera",
            "customerId": 3,
            "customerName": "Amit Patel",
            "customerEmail": "amit.patel@sample.com"
        },
        {
            "$id": "4",
            "deviceId": 5,
            "deviceName": "Kitchen Camera",
            "deviceType": "Camera",
            "customerId": 5,
            "customerName": "Vikram Singh",
            "customerEmail": "vikram.singh@sample.com"
        }
    ]
}
```

4. Get device by customerId

Endpoint: `/api/Devices/GetDevicesByCustomerId/{customerId}`

Method: GET

Path Parameter: customerId

Headers:

ApiKey : SmartHouseSolutions_ApiKey

Description: This endpoint retrieves all device information in the system along with customer information for requested customer id.

Request:

Response:


```json
{
    "$id": "1",
    "customerId": 3,
    "customerName": "Amit Patel",
    "customerEmail": "amit.patel@sample.com",
    "devices": {
        "$id": "2",
        "$values": [
            {
                "$id": "3",
                "deviceId": 3,
                "deviceName": "Backyard Camera",
                "deviceType": "Camera"
            }
        ]
    }
```

Additional Information: The database should be created using the provided database script. Additionally, the server name in the connection string needs to be updated to reflect the correct database server.