

## List of devices

Logging With AOP in SpringMaven Repository: org.springframeworkHTML form method AttributeDevices

localhost:8080/device

AppsHumberToolsImmiGetAJobWayback Machine

<div>Id</div>	<div>Name</div>	<div>Type</div>	<div>Status</div>	<div>Action</div>
1	Light Kitchen	light	OFF	<div>View</div> <div>Turn ON</div>
2	Thermostat Livingroom	Thermostat	ON	<div>View</div> <div>Turn OFF</div>

Set Schedule

## Turn on the device in device page

Logging With AOP in SpringMaven Repository: org.springframeworkHTML form method AttributeDevices

localhost:8080/device

AppsHumberToolsImmiGetAJobWayback Machine

device 1 has been turned ON

<div>Id</div>	<div>Name</div>	<div>Type</div>	<div>Status</div>	<div>Action</div>
1	Light Kitchen	light	ON	<div>View</div> <div>Turn OFF</div>
2	Thermostat Livingroom	Thermostat	ON	<div>View</div> <div>Turn OFF</div>

Set Schedule

## Device info page

Logging With AOP in SpringMaven Repository: org.springframeworkHTML form method AttributeDevice Control

localhost:8080/device/2?

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Back to Devices

Device: Thermostat Livingroom

Type: Thermostat

Current Status: ON

Turn OFF

## Turn off the device from the info page

Logging With AOP in SpringMaven Repository: org.springframeworkHTML form method AttributeDevices

localhost:8080/device

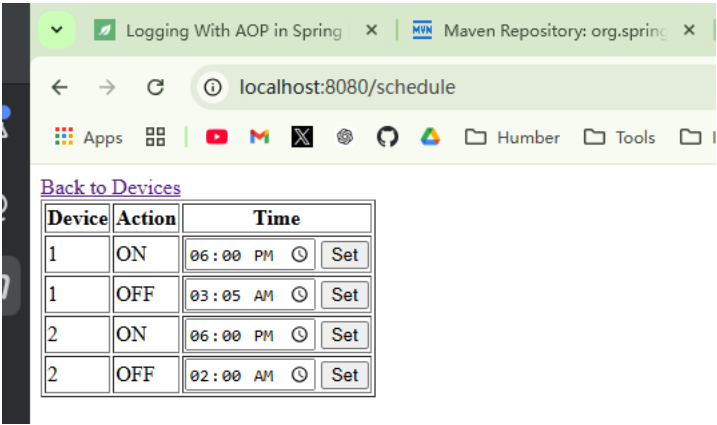
AppsHumberToolsImmiGetAJobWayback Machine

device 2 has been turned OFF

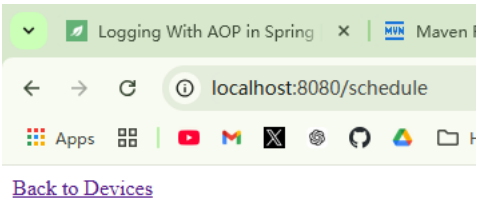
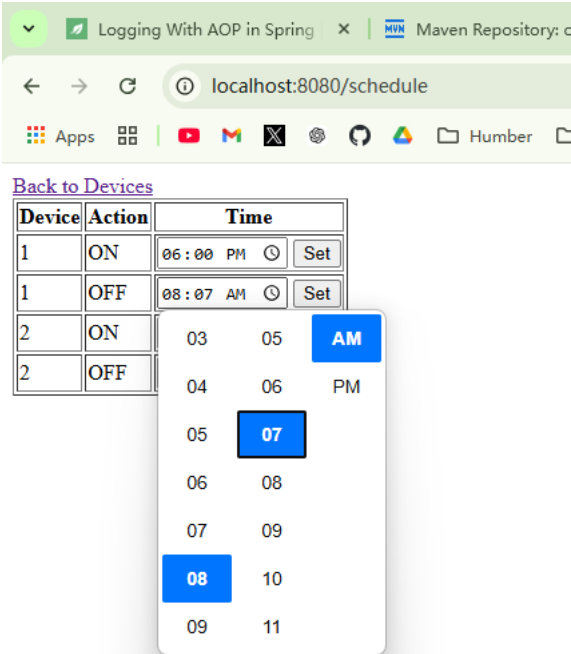
<div>Id</div>	<div>Name</div>	<div>Type</div>	<div>Status</div>	<div>Action</div>
1	Light Kitchen	light	ON	<div>View</div> <div>Turn OFF</div>
2	Thermostat Livingroom	Thermostat	OFF	<div>View</div> <div>Turn ON</div>

Set Schedule

Device schedule page



Set schedule



## JSON files

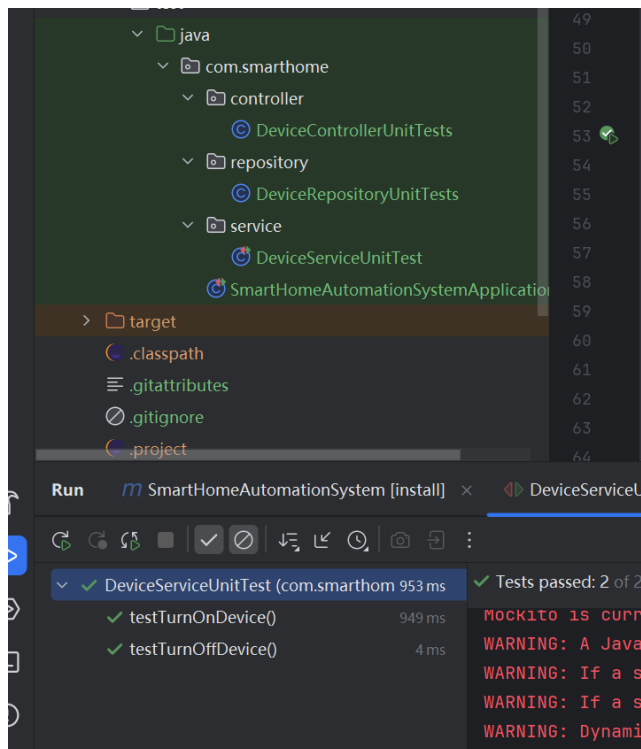
```
[
  {
    "deviceId": 1,
    "deviceName": "Light Kitchen",
    "type": "light",
    "status": "ON",
    "userId": 1
  },
  {
    "deviceId": 2,
    "deviceName": "Thermostat Livingroom",
    "type": "Thermostat",
    "status": "OFF",
    "userId": 1
  }
]
```

```
[
  {
    "scheduleId": 1,
    "action": "ON",
    "time": "18:00",
    "deviceId": 1
  },
  {
    "scheduleId": 2,
    "action": "OFF",
    "time": "08:07",
    "deviceId": 1
  },
  {
    "scheduleId": 3,
    "action": "ON",
    "time": "18:00",
    "deviceId": 2
  },
  {
    "scheduleId": 4,
    "action": "OFF",
    "time": "02:00",
    "deviceId": 2
  }
]
```

## AOP Log

```
2025-02-02T19:21:58.683-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.34]
2025-02-02T19:21:58.724-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [ restartedMain] o.a.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-02-02T19:21:58.725-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [ restartedMain] w.s.c.ServletContextServerApplicationContext : Root WebApplicationContext: Initialization completed in 1404 ms
2025-02-02T19:21:59.241-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2025-02-02T19:21:59.284-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path '/'
2025-02-02T19:21:59.296-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [ restartedMain] c.s.SmartHomeAutomationSystemApplication : Started SmartHomeAutomationSystemApplication in 2.425 seconds
2025-02-02T19:22:02.327-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [nio-8080-exec-1] o.a.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2025-02-02T19:22:02.327-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-02-02T19:22:02.328-05:00 INFO 27292 --- [SmartHomeAutomationSystem] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
Device status changed
Device status changed
```

## Unit test – Control device



## Unit test – set schedule

