lim:lim:lim:lim:lim:lim:lim:lim:lim:lim:
SMART HOME SIMULATION STARTED
EDGE SERVER INITIATION STARTED
EDGE SERVER INITIATION COMPLETED SUCCESSFULLY AND CONNECTED TO BROKER
SECTION 1: STARTING REGISTRATION OF LIGHT DEVICES
REGISTERING LIGHT 1 IN KITCHEN
>>>>>> DEVICE TO EDGE Device:light_1 , Type:LIGHT , Room:Kitchen CMD:REGISTER_ME
<><<<< ran
REGISTERING LIGHT 2 IN BED ROOM 1
>>>>>> DEVICE TO EDGE Device:light_2 , Type:LIGHT , Room:Bed Room1 CMD:REGISTER_ME
<><<<< Registeration
REGISTERING LIGHT 3 IN GARAGE
>>>>>> DEVICE TO EDGE Device:light_3 , Type:LIGHT , Room:Garage CMD:REGISTER_ME
<><< <edge ,="" cmd:ack_registeration<="" device="" device:light_3="" room:garage="" td="" to="" type:light=""></edge>

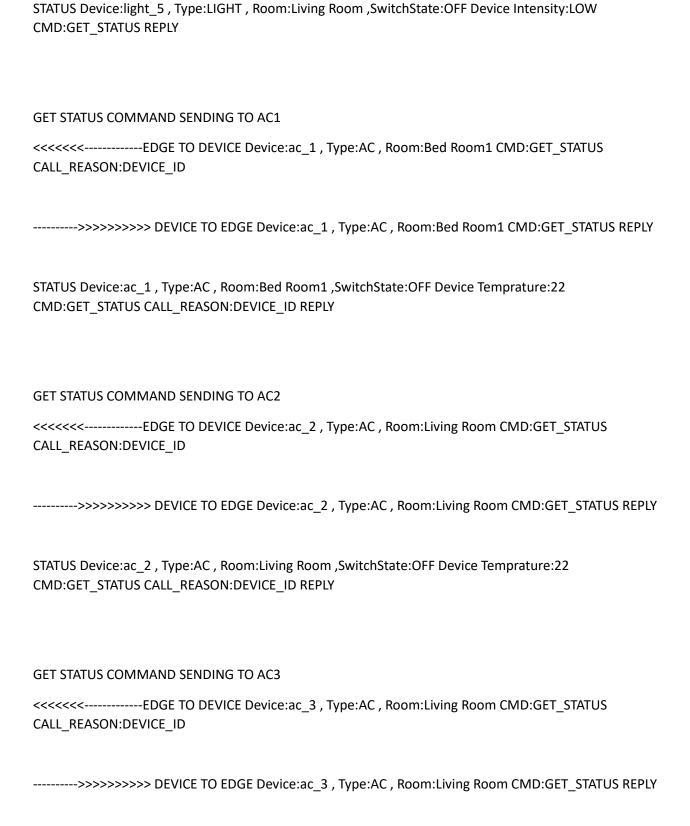
REGISTERING LIGHT 4 IN BEDROOM2
>>>>>> DEVICE TO EDGE Device:light_4 , Type:LIGHT , Room:Bed Room2 CMD:REGISTER_ME
<><< <cedge ,="" cmd:ack_registeration<="" device="" device:light_4="" room2="" room:bed="" td="" to="" type:light=""></cedge>
REGISTERING LIGHT 5 IN LIVING ROOM
>>>>>> DEVICE TO EDGE Device:light_5 , Type:LIGHT , Room:Living Room CMD:REGISTER_ME
<><<<< range style="color: blue;"><<<<<<<<
SMART HOME SECTION 1 STARTING REGISTRATION OF AC DEVICES
REGISTERING AC1 IN BED ROOM 1
>>>> DEVICE TO EDGE Device:ac_1 , Type:AC , Room:Bed Room1 CMD:REGISTER_ME
<<<<< ra>.<< Color: No. 10. Color: No. 10. No.
REGISTERING AC2 IN LIVING ROOM
>>>>>> DEVICE TO EDGE Device:ac_2 , Type:AC , Room:Living Room CMD:REGISTER_ME
<><<<< ra>. Room:Living Room CMD:ACK_Registeration

REGISTERING AC3 IN LIVING ROOM
>>>>> DEVICE TO EDGE Device:ac_3 , Type:AC , Room:Living Room CMD:REGISTER_ME
<<<< <edge ,="" cmd:ack_registeration<="" device="" device:ac_3="" room="" room:living="" td="" to="" type:ac=""></edge>
ALL DEVICES REGISTERED SUCCESSFULLY REGISTERED IDS:
['light_1', 'light_2', 'light_3', 'light_4', 'light_5', 'ac_1', 'ac_2', 'ac_3']
SECTION 2.A.1 STARTING TO GET ALL DEVICES STATUS BY DEVICE ID
GET STATUS COMMAND SENDING TO LIGHT1
<><<<< Color of the control of the c
>>>>>> DEVICE TO EDGE Device:light_1 , Type:LIGHT , Room:Kitchen CMD:GET_STATUS CALL_REASON:DEVICE_ID REPLY
STATUS Device:light_1 , Type:LIGHT , Room:Kitchen ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS REPLY
GET STATUS COMMAND SENDING TO LIGHT2
<><<<< range color="light"><<<<<< range color="light"><<<<<< range color="light"><<<<<<< range color="light"><<<<<<<< range color="light"><<<<<<<<<< range color="light"><<<<<<<<<<><<<< range color="light"><
>>>>>> DEVICE TO EDGE Device:light_2 , Type:LIGHT , Room:Bed Room1 CMD:GET_STATUS CALL_REASON:DEVICE_ID REPLY

CMD:GET_STATUS REPLY
GET STATUS COMMAND SENDING TO LIGHT3
<><<<< range color="light"><<<<<<<
>>>>>> DEVICE TO EDGE Device:light_3 , Type:LIGHT , Room:Garage CMD:GET_STATUS CALL_REASON:DEVICE_ID REPLY
STATUS Device:light_3 , Type:LIGHT , Room:Garage ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS REPLY
GET STATUS COMMAND SENDING TO LIGHT4
<><<<< range color="light"><<<<<< range color="light"><<<<<< range color="light"><<<<<<< range color="light"><<<<<<< range color="light"><<<<<<<<< range color="light"><<<<<<<<<<<><<<< range color="light"><
>>>>>> DEVICE TO EDGE Device:light_4 , Type:LIGHT , Room:Bed Room2 CMD:GET_STATUS CALL_REASON:DEVICE_ID REPLY
STATUS Device:light_4 , Type:LIGHT , Room:Bed Room2 ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS REPLY
GET STATUS COMMAND SENDING TO LIGHT5
<><<<< ra>-<
>>>> DEVICE TO EDGE Device:light_5 , Type:LIGHT , Room:Living Room CMD:GET_STATUS

CALL_REASON:DEVICE_ID REPLY

 ${\tt STATUS\ Device: light_2\ ,\ Type: LIGHT\ ,\ Room: Bed\ Room1\ , Switch State: OFF\ Device\ Intensity: LOW}$



STATUS Device:ac_3 , Type:AC , Room:Living Room ,SwitchState:OFF Device Temprature:22 CMD:GET_STATUS CALL_REASON:DEVICE_ID REPLY

SECTION 2.A.2 STARTING TO GET ALL DEVICES STATUS BY DEVICE TYPE AS LIGHT

STATUS Device:light_3 , Type:LIGHT , Room:Garage ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_4 , Type:LIGHT , Room:Bed Room2 ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_2 , Type:LIGHT , Room:Bed Room1 ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_1 , Type:LIGHT , Room:Kitchen ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_5 , Type:LIGHT , Room:Living Room ,SwitchState:OFF Device Intensity:LOW CMD:GET STATUS CALL REASON:DEVICE TYPE

SECTION 2.A.2 STARTING TO GET ALL DEVICES STATUS BY DEVICE TYPE AS AC

STATUS Device:ac_2 , Type:AC , Room:Living Room ,SwitchState:OFF Device Temprature:22 CMD:GET STATUS

STATUS Device:ac_1 , Type:AC , Room:Bed Room1 ,SwitchState:OFF Device Temprature:22 CMD:GET_STATUS

STATUS Device:ac_3 , Type:AC , Room:Living Room , SwitchState:OFF Device Temprature:22 CMD:GET_STATUS

SECTION 2.A.2 STARTING TO GET ALL DEVICES STATUS BY ROOM AS LIVING ROOM

STATUS Device:ac_3 , Type:AC , Room:Living Room ,SwitchState:OFF Device Temprature:22 CMD:GET_STATUS CALL_REASON:ROOM

STATUS Device:ac_2 , Type:AC , Room:Living Room ,SwitchState:OFF Device Temprature:22 CMD:GET_STATUS CALL_REASON:ROOM

STATUS Device:light_5 , Type:LIGHT , Room:Living Room ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:ROOM

SECTION 2.A.2 STARTING TO GET ALL DEVICES STATUS BY HOME

STATUS Device:light_1 , Type:LIGHT , Room:Kitchen ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:HOME

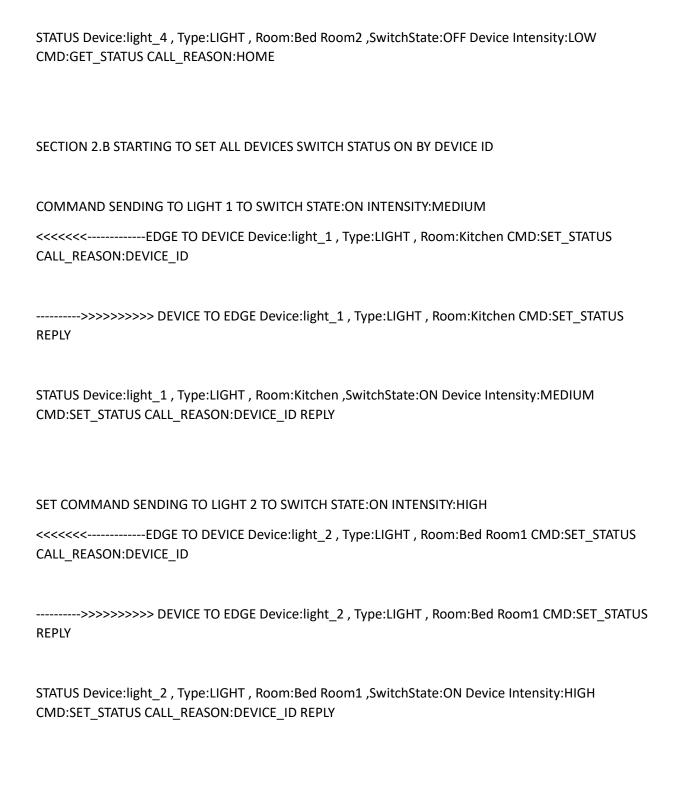
STATUS Device:light_3 , Type:LIGHT , Room:Garage ,SwitchState:OFF Device Intensity:LOW CMD:GET STATUS CALL REASON:HOME

STATUS Device:light_5 , Type:LIGHT , Room:Living Room ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:HOME

STATUS Device:ac_2 , Type:AC , Room:Living Room ,SwitchState:OFF Device Temprature:22 CMD:GET_STATUS CALL_REASON:HOME

STATUS Device:ac_3 , Type:AC , Room:Living Room ,SwitchState:OFF Device Temprature:22 CMD:GET_STATUS CALL_REASON:HOME

STATUS Device:light_2 , Type:LIGHT , Room:Bed Room1 ,SwitchState:OFF Device Intensity:LOW CMD:GET_STATUS CALL_REASON:HOME



SET COMMAND SENDING TO LIGHT 3 TO SWITCH STATE:ON INTENSITY:HIGH

CALL_REASON:DEVICE_ID

<>><<----EDGE TO DEVICE Device:light_3 , Type:LIGHT , Room:Garage CMD:SET_STATUS

>>>> DEVICE TO EDGE Device:light_3 , Type:LIGHT , Room:Garage CMD:SET_STATUS REPLY	
STATUS Device:light_3 , Type:LIGHT , Room:Garage ,SwitchState:ON Device Intensity:HIGH CMD:SET_STATUS CALL_REASON:DEVICE_ID REPLY	
SET COMMAND SENDING TO LIGHT 4 TO SWITCH STATE:ON INTENSITY:MEDIUM <edge ,="" call_reason:device_id<="" cmd:set_status="" device="" device:light_4="" room2="" room:bed="" td="" to="" type:light=""></edge>	
>>>>>> DEVICE TO EDGE Device:light_4 , Type:LIGHT , Room:Bed Room2 CMD:SET_STATUS REPLY	
STATUS Device:light_4 , Type:LIGHT , Room:Bed Room2 ,SwitchState:ON Device Intensity:MEDIUM CMD:SET_STATUS CALL_REASON:DEVICE_ID REPLY	
SET COMMAND SENDING TO LIGHT 5 TO SWITCH STATE:ON INTENSITY:HIGH	
<><<< <th>CALL_REASON:DEVICE_ID</th>	CALL_REASON:DEVICE_ID
>>>>>> DEVICE TO EDGE Device:light_5 , Type:LIGHT , Room:Living Room CMD:SET_STATUS REPLY	
STATUS Device:light_5 , Type:LIGHT , Room:Living Room ,SwitchState:ON Device Intensity:HIGH CMD:SET_STATUS CALL_REASON:DEVICE_ID REPLY	
SET COMMAND SENDING TO AC 1 TO SWITCH STATE:ON TEMP:29	
<><<<< range color="list-style-type: AC"><<<<< range color="list-style-type: AC"><<<<< range color="list-style-type: AC"><<<<< range color="list-style-type: AC"><<<<<< range color="list-style-type: AC"><<<<<<<<< range color="list-style-type: AC">CALL_REASON:DEVICE_ID	

SECTION 3.A.1 STARTING TO SEND COMMAND TO ALL LIGHTS BY DEVICE TYPE CRTITERIA

SET STATUS BY DEVICE ID: STARTING TO SEND COMMAND ALL LIGHT DEVICES TO SET INTENSITY TO HIGH BY DEVICE TYPE AS LIGHT

STATUS Device: light $_1$, Type: LIGHT, Room: Kitchen, Switch State: ON Device Intensity: HIGH CMD: SET_STATUS CALL_REASON: DEVICE_TYPE

STATUS Device:light_3 , Type:LIGHT , Room:Garage ,SwitchState:ON Device Intensity:HIGH CMD:SET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_5 , Type:LIGHT , Room:Living Room ,SwitchState:ON Device Intensity:HIGH CMD:SET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_4 , Type:LIGHT , Room:Bed Room2 ,SwitchState:ON Device Intensity:HIGH CMD:SET_STATUS CALL_REASON:DEVICE_TYPE

STATUS Device:light_2 , Type:LIGHT , Room:Bed Room1 ,SwitchState:ON Device Intensity:HIGH CMD:SET STATUS CALL REASON:DEVICE TYPE

SECTION 3.A.2 WRONG COMMAND CHECK SET STATUS FOR DEVICE ID:LIGHT_1 WRONG MESSAGE DETECTION

<<<<<-----EDGE TO DEVICE Device:light_1 , Type:LIGHT , Room:Kitchen CMD:SET_STATUS CALL_REASON:DEVICE_ID

----->>>>>> DEVICE TO EDGE ERROR Device:light_1 , Type:LIGHT , Room:Kitchen CMD:SET_STATUS REPLY

STATUS ERROR WRONG COMMAND TO LIGHT Device:light_1 , Type:LIGHT , Room:Kitchen ,SwitchState:ON Device Intensity:HIGH CMD:SET_STATUS CALL_REASON:DEVICE_ID REPLY

SECTION 3.B.1 STARTING TO SEND COMMAND TO ALL AC DEVICES TO SET TEMPERATURE:29 BY DEVICE TYPE CRITERIA

SET STATUS BY DEVICE TYPE:STARTING TO SET ALL AC DEVICES TEMP TO 29 BY DEVICE TYPE AS AC

SECTION 3.B.2 WRONG COMMAND CHECK SET STATUS FOR DEVICE ID:AC_3 WRONG MESSAGE DETECTION

<<<<< ra><------EDGE TO DEVICE Device:ac_3 , Type:AC , Room:Living Room CMD:SET_STATUS CALL REASON:DEVICE ID</p>

----->>>> DEVICE TO EDGE ERROR Device:ac_3 , Type:AC , Room:Living Room CMD:SET_STATUS REPLY

STATUS ERROR WRONG COMMAND TO AC Device:ac_3 , Type:AC , Room:Living Room ,SwitchState:ON Device Intensity:29 CMD:SET_STATUS CALL_REASON:DEVICE_ID REPLY

PROJECT CONCLUSION ALL DEVICES STATUS IN HOME

SEND COMMAND TO GET ALL DEVICES IN HOME

STATUS Device:light_1 , Type:LIGHT , Room:Kitchen ,SwitchState:ON Device Intensity:HIGH CMD:GET STATUS CALL REASON:HOME

 $STATUS\ Device: light_5\ ,\ Type: LIGHT\ ,\ Room: Living\ Room\ , Switch State: ON\ Device\ Intensity: HIGH\ CMD: GET_STATUS\ CALL_REASON: HOME$

STATUS Device: light $_3$, Type: LIGHT, Room: Garage, Switch State: ON Device Intensity: HIGH CMD: GET $_$ STATUS CALL $_$ REASON: HOME

STATUS Device:light_4 , Type:LIGHT , Room:Bed Room2 ,SwitchState:ON Device Intensity:HIGH CMD:GET_STATUS CALL_REASON:HOME

STATUS Device:ac_3 , Type:AC , Room:Living Room ,SwitchState:ON Device Temprature:29 CMD:GET_STATUS CALL_REASON:HOME

STATUS Device:ac_2 , Type:AC , Room:Living Room ,SwitchState:ON Device Temprature:29 CMD:GET_STATUS CALL_REASON:HOME

STATUS Device:light_2 , Type:LIGHT , Room:Bed Room1 ,SwitchState:ON Device Intensity:HIGH CMD:GET_STATUS CALL_REASON:HOME