Exception Handling

1. If camera detects a person that never defined before

   input command: set sensor house1:kitchen1:camera1 status OCCUPANT_DETECTED value joe_smith

   Output : **Unknown person joe_smith detected**

2. if occupant try to change the status of an appliance that is not in the room:

   input command: set sensor house1:dining_room2:ava2 status LISTENING value "joe_smith says: 'lights on'"

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   output: **no lights in this room**

3. If controller trying to implement a rule but some appliance is not exists, it will report the message

   input command: set sensor house1:dining_room1:camera1 status OCCUPANT_LEAVING value joe_smith
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   output:
   joe_smith left house1:dining_room1
   light1 in house1:dining_room1 is off
   light2 in house1:dining_room1 is off
   no thermostat in this room