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Course: Object Oriented Analysis and Design Instruction: draw a...



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Solved by verified expert



Answered step-by-step

Question

Answered step-by-step

Asked by miraahamed381

Course: Object Oriented Analysis and Design

Instruction: draw a sequence diagram for given case study

When an air cooler starts, the control switch sends signal to the blower fan to start at the level that is already set in the control switch. Then the control switch sends the level of temperature to the sensor. The sensor senses the outside temperature by sending a request to the thermostat and if the outside temperature is higher then the level sent by the control switch, the sensor send signal to the compressor to switch on. When the sensor outside temperature goes down to the set level, the thermostat sends signal to the sensor and the sensor in turn sends signal to the compressor to switch off. The process keeps on running in a cycle as long as the air cooler stays on.

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Answer & Explanation

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Answered by tutor301

I will try my best to give you an explanation which will help you to understand the topic. Kindly support me and if anything more require from my side let me know it through the comment section.

Please find the attached file for the solution of this problem

Step-by-step explanation

I will try my best to explain this problem which will help you to under stand this topic.

Air cooler operation

when air cooler start it send signal to the controller switch which start blower fan at preset temperature

then controller send temperature to the sensor

sensor senses out side temperature by using thermostat

if the temperature outside is higher the the temperature reset then it will start compressor

and if the temperature outside goes down then it will switch off the compressor

this process keep on running as long as air cooler switch on.

Thanking You

if any thing more require from my side please let me know through the comment section.

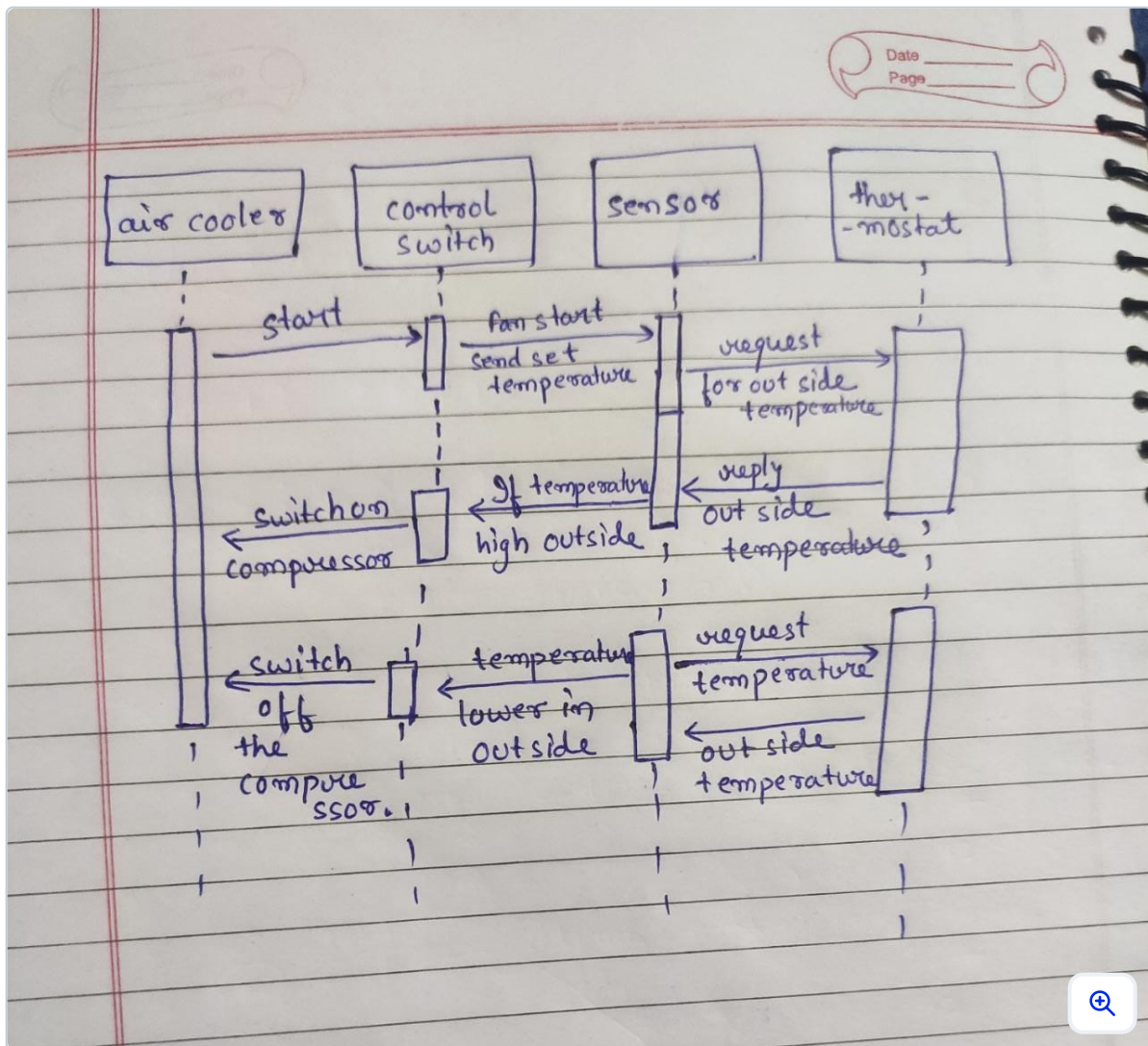


Image transcription text

Date Page air cooler control switch sensor thermostat start fan start
 Send set request temperature for outside temperature Switch on If
 temperature reply compressor high outside outside temper... [Show more](#)

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