



SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore - 641 107

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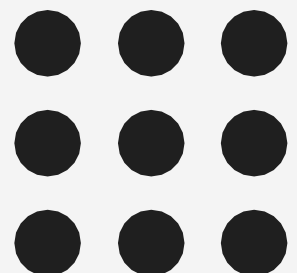
Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of AI & DS

Course Name - 19AD505-Internet Of Things & AI

III Year / V Semester

UNIT 2 - DESIGN METHODOLOGY



SWATHIRAMYA AP/AIDS

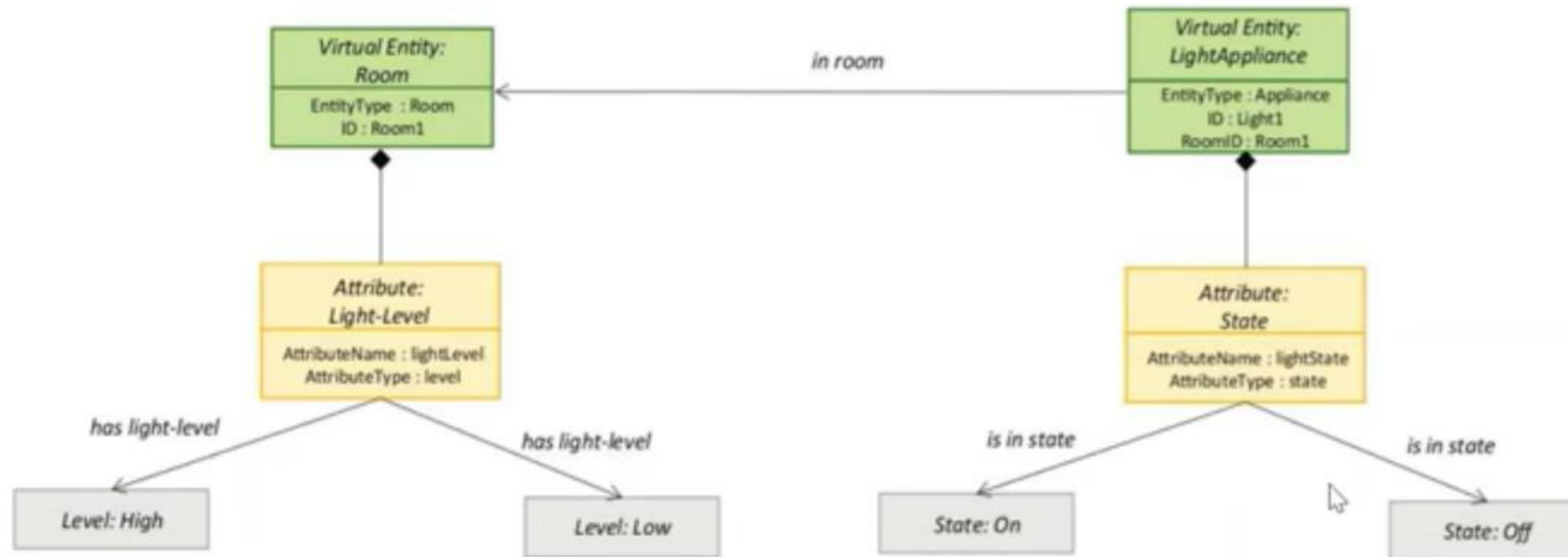


Information Model Specification



- The fourth step in the IoT design methodology is to define the Information Model.
- Information Model defines the structure of all the information in the IoT system, for example, attributes of Virtual Entities, relations, etc.
- Information model does not describe the specifics of how the information is represented or stored.
- To define the information model, we first list the Virtual Entities defined in the Domain Model.
- Information model adds more details to the Virtual Entities by defining their attributes and relations

Step 4: Information Model Specification

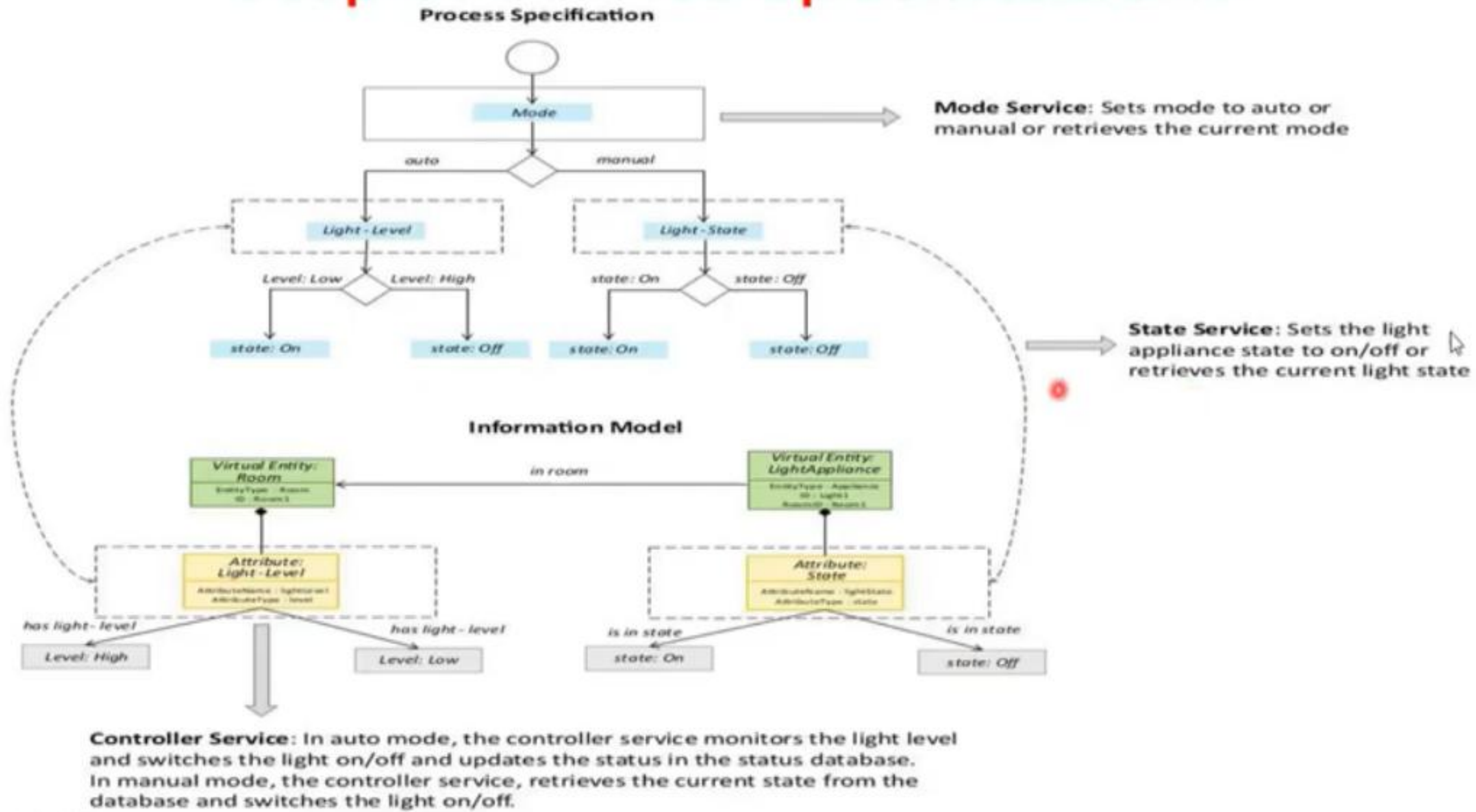




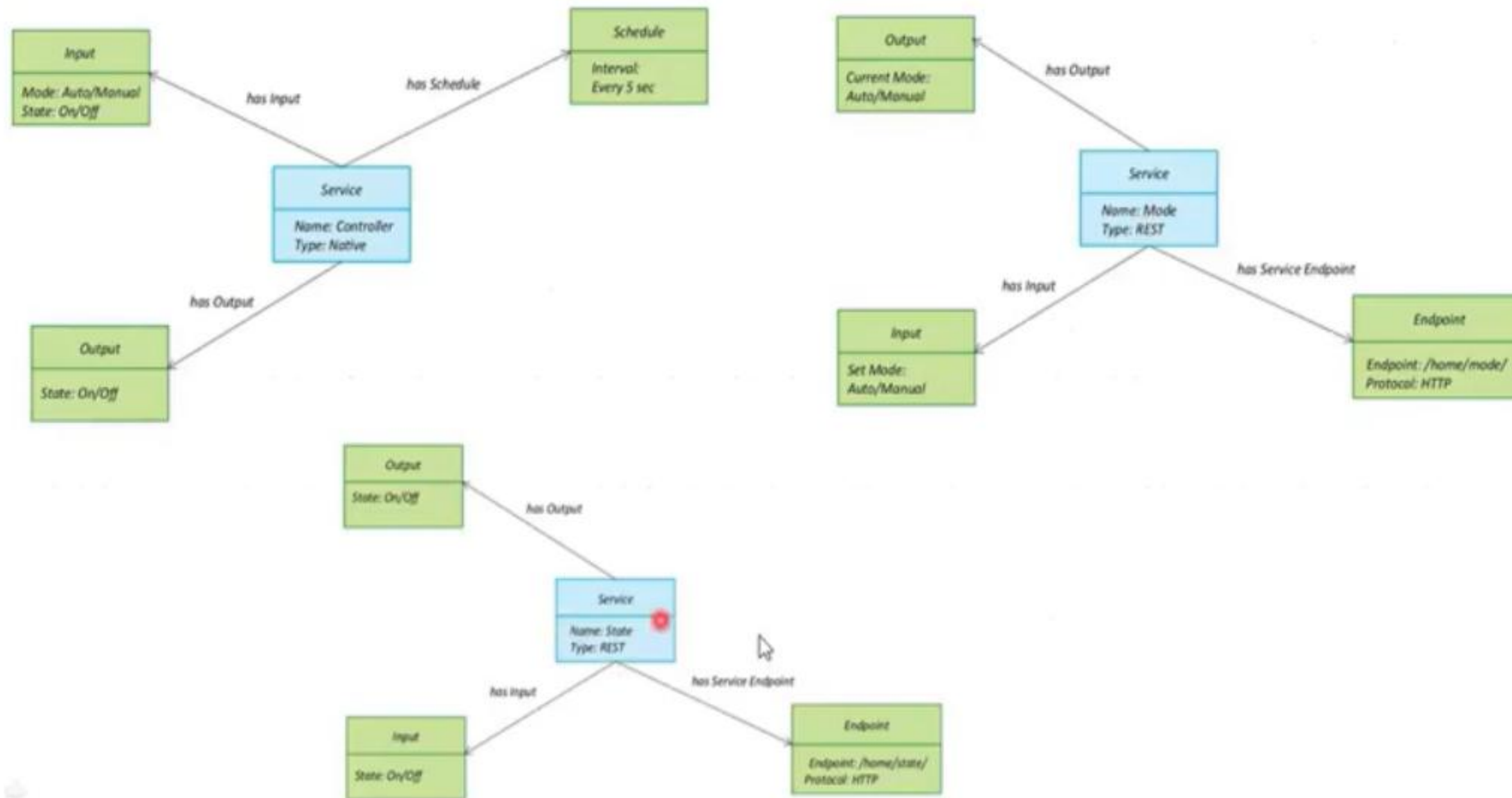
Service Specification

- The fifth step in the IoT design methodology is to define the service specifications.
- Service specifications define the services in the IoT system,
- service types,
- service inputs/output,
- service endpoints,
- service schedules,
- service preconditions and service effects.
- From the process specification and information model, we identify the states and attributes.
- For each state and attribute we define a service.
- These services either change the state or attribute values or retrieve the current values.

Step 5: Service Specifications



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THANK YOU