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Course: CSCI-E97 (Fall 2017)
Assignment 2

DESIGN VARIATIONS
- I implemented a new Knowledge map (in Clients) in assignment 2 rather than importing assignment 1
- The "Clients" class contains both the knowledge map and all instances of house, room, occupant, sensor and appliance classes.
- Appliance and sensor are almost identical at the moment and fully meet the House Mate model sample script requirement. They will certainly change in the future as the design proceeds.

DESIGN DOCUMENT ASSISTANCE
- The design document made the implementation easier.

FUTURE DESIGN DOCUMENT IMPROVEMENTS
- The House Mate Service Requirements document was very clear

FILES INCLUDED
- sampleinput.txt (command API CLI file)
- sampleoutput.txt (sampleinput.txt output)

Compile CMD
- javac cscie97/asn2/housemate/model/*.java cscie97/asn2/housemate/test/*.java

Run CMD:
- java -cp . cscie97.asn2.housemate.test.TestDriver sampleinput.txt

Peer review Feedback:

- The Command API is represented, but the Service API listed in the requirements is missing.
- I can't find any written requirements that say the Knowledge Graph should be used for saving historical data. I would double check before implementing, because it may lead to more work that's out of scope.
- What object manages multiple House Objects, and also their Occupants? How can an occupant be shared between multiple houses in your design? It's not clear because it looks like House is the main API for interacting with all other objects in the system.
- You're using an auth token system to manage occupant access within a house, but there's nothing about this in the requirements. It's likely out of scope. According to the requirements, auth tokens are only required to manage access between the other parts of the system and the Model Service.