XT – Assesment-2

Duration *: 1 hour*

Ex-1: Build your House

Design Your Room with Door,Light and AC Modules and door must have open & close behavior. And we don’t know when user will open and close door. If door opened, other listeners ( like Light & AC ) should react ( on and off ) to that event

Conditions:

* door should not tightly coupled with listeners
* we can add/remove listener at any time
* if we add/remove listenr , which should not affect out system
* door must pass door-event to all listeners, and door-event should contains following properties

DoorEvent

* type ( open | close )
* floorNum
* doorNum