

Executing Script file: '/Users/jerclark/Dropbox/Harvard Extension/  
CSCIE-97/Assignments/out/production/CSCIE-97/cscie97/asn3/housemate/  
test/theatermode.txt'

CONSOLE: THEATER MODE

CONSOLE: \*\*\*\*\*

CONSOLE: \*\*\*\*\*

CONSOLE: MODEL SETUP

CONSOLE: \*\*\*\*\*

CONSOLE: \*\*\*\*\*

CONSOLE: CREATE HOUSE AND LIVING ROOM

CONSOLE: CREATE SMART TV

CONSOLE: CREATE SMART BLINDS

CONSOLE: CREATE SMART LIGHTS

CONSOLE: \*\*\*\*\*

CONSOLE: \*\*\*\*\*

CONSOLE: THEATER MODE RULE SETUP

CONSOLE: \*\*\*\*\*

CONSOLE: \*\*\*\*\*

CONSOLE: CREATE COMMANDS TO DROP BLINDS, TURN OFF OVERHEADS AND TURN  
ON FLOOR LIGHTS

Created command: DropBlinds

Created command: TurnOffOverheadLights

Created command: TurnOnFloorLights

Created predicate: IsTVInMovieMode

Created context: LivingRoomContext

CONSOLE: CREATE AND CONFIGURE THE THEATER MODE RULE

Created rule: TheaterMode

Added context: 'LivingRoomContext' to rule: 'TheaterMode'

Added predicate: 'IsTVInMovieMode' to rule: 'TheaterMode'

Added command: 'DropBlinds' to rule: 'TheaterMode'

Added command: 'TurnOffOverheadLights' to rule: 'TheaterMode'

Added command: 'TurnOnFloorLights' to rule: 'TheaterMode'

CONSOLE: SUBSCRIBE RULE TO TV SOURCE MODE

Rule 'TheaterMode' subscribed to feature:

'House1:LivingRoom:TV:Setting:media\_source'

CONSOLE: CONFIRM OVERHEADS ARE ON, FLOOR LIGHTS ARE OFF AND BLINDS ARE  
UP

House1:LivingRoom:OverheadLights:Setting:Light\_Power is\_set\_to ON

House1:LivingRoom:FloorLights:Setting:Light\_Power is\_set\_to OFF

House1:LivingRoom:WindowBlinds:Setting:blind\_position is\_set\_to UP

CONSOLE: SET THE TV MODE TO MOVIE

CONTROLLER: Rule 'TheaterMode' received update notification from  
House1:LivingRoom:TV:Setting:media\_source

CONTROLLER: Predicate

'(context['House1:LivingRoom:TV:Setting:media\_source'].is\_set\_to ==  
'MOVIE');' is true

CONTROLLER: Rule 'TheaterMode' all predicates pass. Executing  
commands.

CONTROLLER: Rule 'TheaterMode' executing command var r =  
{targetDeviceScope:'House1:LivingRoom:WindowBlinds',  
targetDeviceStateFqn:'Setting:blind\_position', targetValue:'DOWN'};r;

CONTROLLER: Rule 'TheaterMode' executing command var r =  
{targetDeviceScope:'House1:LivingRoom:OverheadLights',  
targetDeviceStateFqn:'Setting:Light\_Power', targetValue:'OFF'};r;

CONTROLLER: Rule 'TheaterMode' executing command var r =  
{targetDeviceScope:'House1:LivingRoom:FloorLights',  
targetDeviceStateFqn:'Setting:Light\_Power', targetValue:'ON'};r;

CONSOLE: CONFIRM OVERHEADS ARE OFF NOW, FLOOR LIGHTS ARE ON AND BLINDS  
ARE DOWN

House1:LivingRoom:OverheadLights:Setting:Light\_Power is\_set\_to OFF

House1:LivingRoom:FloorLights:Setting:Light\_Power is\_set\_to ON

House1:LivingRoom:WindowBlinds:Setting:blind\_position is\_set\_to DOWN