
Full Script

Executing Script file: '/Users/jerclark/Dropbox/Harvard Extension/CSCIE-97/Assignments/out/production/CSCIE-97/cscie97/asn2/housemate/test/housemate.txt'

CONSOLE: STANDARD FLOW SCRIPT START

CONSOLE: Adding MEASURES

Measure:surface_temperature accepts_values Float

Measure:surface_temperature has_name surface_temperature

Measure:inside_temperature has_name inside_temperature

Measure:inside_temperature accepts_values Float

Measure:beer_count has_name beer_count

Measure:beer_count accepts_values Integer

CONSOLE: Adding SETTINGS

Setting:door_lock accepts_values Boolean

Setting:door_lock has_name door_lock

Setting:ice_style has_name ice_style

Setting:ice_style accepts_values Crushed|Cubed

Setting:target_temperature accepts_values Float

Setting:target_temperature has_name target_temperature

CONSOLE: Adding House

House1 has_address 115_Hamlet_St

House1 has_num_floors 2

House1 has_name House1

CONSOLE: Defining Occupant

Occupant:me is_type Adult

Occupant:me has_name Jeremy_Clark

Occupant:me has_id me

CONSOLE: Adding occupant to house

Occupant:me has_id me

Occupant:me is_type Adult

Occupant:me is_member_of House1

Occupant:me has_name Jeremy_Clark

CONSOLE: Adding Kitchen

CONSOLE: Moving occupant to a room

Occupant:me has_id me

Occupant:me has_name Jeremy_Clark

Occupant:me is_in_room House1:Kitchen

Occupant:me is_member_of House1

Occupant:me is_type Adult

CONSOLE: Adding Living Room

CONSOLE: Moving occupant to LIVING ROOM

Occupant:me has_id me

Occupant:me is_type Adult

Occupant:me is_in_room House1:LivingRoom
Occupant:me is_member_of House1
Occupant:me has_name Jeremy_Clark

CONSOLE: Setting up REFRIGERATOR
House1:Kitchen:REFRIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFRIGERATOR is_of_type REFRIGERATOR

CONSOLE: Adding feature inside_temperature to REFRIGERATOR
House1:Kitchen:REFRIGERATOR:Measure:inside_temperature is_detecting INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature inside_temperature to 28.2
House1:Kitchen:REFRIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFRIGERATOR is_of_type REFRIGERATOR
House1:Kitchen:REFRIGERATOR:Measure:inside_temperature is_detecting 28.2

CONSOLE: Adding feature beer_count to REFRIGERATOR
House1:Kitchen:REFRIGERATOR:Measure:beer_count is_detecting INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature beer_count to 12
House1:Kitchen:REFRIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFRIGERATOR is_of_type REFRIGERATOR
House1:Kitchen:REFRIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFRIGERATOR:Measure:inside_temperature is_detecting 28.2

CONSOLE: Adding feature ice_style to REFRIGERATOR
House1:Kitchen:REFRIGERATOR:Setting:ice_style is_set_to INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature ice_style to Crushed
House1:Kitchen:REFRIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFRIGERATOR is_of_type REFRIGERATOR
House1:Kitchen:REFRIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFRIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:REFRIGERATOR:Measure:inside_temperature is_detecting 28.2

CONSOLE: Setting up THERMOMETER
House1:Kitchen:THERMOMETER is_in_room House1:Kitchen
House1:Kitchen:THERMOMETER is_of_type THERMOMETER

CONSOLE: Adding feature surface_temperature to THERMOMETER
House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature surface_temperature to 74.8
House1:Kitchen:THERMOMETER is_in_room House1:Kitchen
House1:Kitchen:THERMOMETER is_of_type THERMOMETER
House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8

CONSOLE: Setting up OVEN
House1:Kitchen:OVEN is_of_type OVEN
House1:Kitchen:OVEN is_in_room House1:Kitchen

CONSOLE: Adding feature surface_temperature to OVEN
House1:Kitchen:OVEN:Measure:surface_temperature is_detecting INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature surface_temperature to 74.8
House1:Kitchen:OVEN is_of_type OVEN
House1:Kitchen:OVEN is_in_room House1:Kitchen

House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8

CONSOLE: Adding feature inside_temperature to OVEN

House1:Kitchen:OVEN:Measure:inside_temperature is_detecting INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature inside_temperature to 322.7

House1:Kitchen:OVEN is_of_type OVEN

House1:Kitchen:OVEN is_in_room House1:Kitchen

House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8

House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7

CONSOLE: Adding feature door_lock to OVEN

House1:Kitchen:OVEN:Setting:door_lock is_set_to INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature door_lock to 1

House1:Kitchen:OVEN is_of_type OVEN

House1:Kitchen:OVEN is_in_room House1:Kitchen

House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8

House1:Kitchen:OVEN:Setting:door_lock is_set_to 1

House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7

CONSOLE: Adding feature target_temperature to OVEN

House1:Kitchen:OVEN:Setting:target_temperature is_set_to INITIAL_VALUE_UNDEFINED

CONSOLE: Setting feature target_temperature to 450.0

House1:Kitchen:OVEN is_of_type OVEN

House1:Kitchen:OVEN is_in_room House1:Kitchen

House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8

House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0

House1:Kitchen:OVEN:Setting:door_lock is_set_to 1

House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7

CONSOLE: Showing device OVEN

House1:Kitchen:OVEN is_of_type OVEN

House1:Kitchen:OVEN is_in_room House1:Kitchen

House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8

House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0

House1:Kitchen:OVEN:Setting:door_lock is_set_to 1

House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7

CONSOLE: Showing room KITCHEN

House1:Kitchen is_on_floor 1

House1:Kitchen has_device OVEN

House1:Kitchen has_device REFRIGERATOR

House1:Kitchen has_occupant Jeremy_Clark

House1:Kitchen has_device THERMOMETER

House1:Kitchen has_name Kitchen

House1:Kitchen:THERMOMETER is_in_room House1:Kitchen

House1:Kitchen:THERMOMETER is_of_type THERMOMETER

House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8

House1:Kitchen:OVEN is_of_type OVEN

House1:Kitchen:OVEN is_in_room House1:Kitchen

House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8

House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0

House1:Kitchen:OVEN:Setting:door_lock is_set_to 1

House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7

House1:Kitchen:REFRIGERATOR is_in_room House1:Kitchen

House1:Kitchen:REFIGERATOR is_of_type REFIGERATOR
House1:Kitchen:REFIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:REFIGERATOR:Measure:inside_temperature is_detecting 28.2

CONSOLE: Showing House1

House1 has_address 115_Hamlet_St
House1 has_room LivingRoom
House1 has_num_floors 2
House1 has_room Kitchen
House1 has_name House1
House1:LivingRoom is_on_floor 1
House1:LivingRoom has_name LivingRoom
House1:LivingRoom has_occupant Jeremy_Clark
House1:Kitchen is_on_floor 1
House1:Kitchen has_device OVEN
House1:Kitchen has_device REFIGERATOR
House1:Kitchen has_occupant Jeremy_Clark
House1:Kitchen has_device THERMOMETER
House1:Kitchen has_name Kitchen
House1:Kitchen:THERMOMETER is_in_room House1:Kitchen
House1:Kitchen:THERMOMETER is_of_type THERMOMETER
House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8
House1:Kitchen:OVEN is_of_type OVEN
House1:Kitchen:OVEN is_in_room House1:Kitchen
House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8
House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0
House1:Kitchen:OVEN:Setting:door_lock is_set_to 1
House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7
House1:Kitchen:REFIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFIGERATOR is_of_type REFIGERATOR
House1:Kitchen:REFIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:REFIGERATOR:Measure:inside_temperature is_detecting 28.2

CONSOLE: Showing ALL

House1 has_address 115_Hamlet_St
House1 has_room LivingRoom
House1 has_num_floors 2
House1 has_room Kitchen
House1 has_name House1
House1:LivingRoom is_on_floor 1
House1:LivingRoom has_name LivingRoom
House1:LivingRoom has_occupant Jeremy_Clark
House1:Kitchen is_on_floor 1
House1:Kitchen has_device OVEN
House1:Kitchen has_device REFIGERATOR
House1:Kitchen has_occupant Jeremy_Clark
House1:Kitchen has_device THERMOMETER
House1:Kitchen has_name Kitchen
House1:Kitchen:THERMOMETER is_in_room House1:Kitchen
House1:Kitchen:THERMOMETER is_of_type THERMOMETER
House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8
House1:Kitchen:OVEN is_of_type OVEN
House1:Kitchen:OVEN is_in_room House1:Kitchen
House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8
House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0

House1:Kitchen:OVEN:Setting:door_lock is_set_to 1
House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7
House1:Kitchen:REFIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFIGERATOR is_of_type REFIGERATOR
House1:Kitchen:REFIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:REFIGERATOR:Measure:inside_temperature is_detecting 28.2
House1:Kitchen:THERMOMETER is_in_room House1:Kitchen
House1:Kitchen:THERMOMETER is_of_type THERMOMETER
House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8
House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0
Measure:beer_count has_name beer_count
Measure:beer_count accepts_values Integer
Occupant:me has_id me
Occupant:me is_type Adult
Occupant:me is_in_room House1:LivingRoom
Occupant:me is_member_of House1
Occupant:me has_name Jeremy_Clark
House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7
Measure:inside_temperature has_name inside_temperature
Measure:inside_temperature accepts_values Float
Measure:surface_temperature accepts_values Float
Measure:surface_temperature has_name surface_temperature
House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8
House1:Kitchen:REFIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:OVEN is_of_type OVEN
House1:Kitchen:OVEN is_in_room House1:Kitchen
House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8
House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0
House1:Kitchen:OVEN:Setting:door_lock is_set_to 1
House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7
House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8
Setting:target_temperature accepts_values Float
Setting:target_temperature has_name target_temperature
House1:Kitchen:REFIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:OVEN:Setting:door_lock is_set_to 1
Setting:ice_style has_name ice_style
Setting:ice_style accepts_values Crushed|Cubed
House1:LivingRoom is_on_floor 1
House1:LivingRoom has_name LivingRoom
House1:LivingRoom has_occupant Jeremy_Clark
House1:Kitchen:REFIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFIGERATOR is_of_type REFIGERATOR
House1:Kitchen:REFIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:REFIGERATOR:Measure:inside_temperature is_detecting 28.2
House1:Kitchen:REFIGERATOR:Measure:inside_temperature is_detecting 28.2
Setting:door_lock accepts_values Boolean
Setting:door_lock has_name door_lock
House1:Kitchen is_on_floor 1
House1:Kitchen has_device OVEN
House1:Kitchen has_device REFIGERATOR
House1:Kitchen has_occupant Jeremy_Clark
House1:Kitchen has_device THERMOMETER
House1:Kitchen has_name Kitchen
House1:Kitchen:THERMOMETER is_in_room House1:Kitchen
House1:Kitchen:THERMOMETER is_of_type THERMOMETER

House1:Kitchen:THERMOMETER:Measure:surface_temperature is_detecting 74.8
House1:Kitchen:OVEN is_of_type OVEN
House1:Kitchen:OVEN is_in_room House1:Kitchen
House1:Kitchen:OVEN:Measure:surface_temperature is_detecting 112.8
House1:Kitchen:OVEN:Setting:target_temperature is_set_to 450.0
House1:Kitchen:OVEN:Setting:door_lock is_set_to 1
House1:Kitchen:OVEN:Measure:inside_temperature is_detecting 322.7
House1:Kitchen:REFIGERATOR is_in_room House1:Kitchen
House1:Kitchen:REFIGERATOR is_of_type REFIGERATOR
House1:Kitchen:REFIGERATOR:Measure:beer_count is_detecting 12
House1:Kitchen:REFIGERATOR:Setting:ice_style is_set_to Crushed
House1:Kitchen:REFIGERATOR:Measure:inside_temperature is_detecting 28.2

Process finished with exit code 0

Item Exists Exception Test

objc[97223]: Class JavaLaunchHelper is implemented in both /Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home/bin/java (0x10ff554c0) and /Library/Java/JavaVirtualMachines/jdk1.8.0_144.jdk/Contents/Home/jre/lib/libinstrument.dylib (0x110fc44e0). One of the two will be used. Which one is undefined.

Executing Script file: '/Users/jerclark/Dropbox/Harvard Extension/CSCIE-97/Assignments/out/production/CSCIE-97/cscie97/asn2/housemate/test/housemate_item_exists.txt'

CONSOLE: Test ItemExistsException

CONSOLE: Define Occupant

Occupant:me is_type Adult

Occupant:me has_id me

Occupant:me has_name Jeremy_Clark

CONSOLE: Define Occupant with same ID

cscie97.asn2.housemate.model.ItemExistsException: Item of type class

cscie97.asn2.housemate.model.Occupant already exists with identifier: Occupant:me

CONSOLE: Adding House

House1 has_num_floors 2

House1 has_name House1

House1 has_address 115_Hamlet_St

CONSOLE: Adding House with same name

CONSOLE: Adding Room Kitchen 'define room Kitchen house House1 floor 1'

CONSOLE: Adding Room with same name and house

cscie97.asn2.housemate.model.ItemExistsException: Item of type class

cscie97.asn2.housemate.model.House already exists with identifier: House1

cscie97.asn2.housemate.model.ItemExistsException: Item of type class

cscie97.asn2.housemate.model.Room already exists with identifier: House1:Kitchen

CONSOLE: Adding DeviceState temperature 'define measure temperature type Float'

Measure:temperature has_name temperature

Measure:temperature accepts_values Float

CONSOLE: Adding DeviceState temperature Again

cscie97.asn2.housemate.model.ItemExistsException: Item of type class

cscie97.asn2.housemate.model.Measure already exists with identifier: Measure:temperature

Process finished with exit code 0

ItemNotFound Exception tests

Executing Script file: '/Users/jerclark/Dropbox/Harvard Extension/CSCIE-97/Assignments/out/production/CSCIE-97/cscie97/asn2/housemate/test/housemate_item_not_found.txt'

CONSOLE: Test ItemNotFoundException

CONSOLE: Adding house

House1 has_num_floors 2

House1 has_address 115_Hamlet_St

House1 has_name House1

CONSOLE: Adding room to house that doesn't exist

CONSOLE: Adding device to room that doesn't exist

cscie97.asn2.housemate.model.ItemNotFoundException: No item found with identifier: House2

cscie97.asn2.housemate.model.ItemNotFoundException: No item found with identifier: NotARealRoom

Process finished with exit code 0

UnsupportedFeatureException Tests

Executing Script file: '/Users/jerclark/Dropbox/Harvard Extension/CSCIE-97/Assignments/out/production/CSCIE-97/cscie97/asn2/housemate/test/housemate_feature_not_supported.txt'

CONSOLE: Test UnsupportedFeatureException

CONSOLE: Create temperature measure and target_temperature setting

Measure:temperature accepts_values Float

Measure:temperature has_name temperature

Setting:target_temperature has_name target_temperature

Setting:target_temperature accepts_values Float

CONSOLE: Adding house, room, device

House1 has_num_floors 2

House1 has_address 115_Hamlet_St

House1 has_name House1

House1:Kitchen:Oven is_in_room House1:Kitchen

House1:Kitchen:Oven is_of_type Oven

CONSOLE: Add target_temperature feature to oven

CONSOLE: Set temperature value on oven, won't work

cscie97.asn2.housemate.model.UnsupportedFeatureException: Device House1:Kitchen:Oven doesn't support the feature: Measure:temperature. Available features on that device are: []

CONSOLE: Add the feature to oven

House1:Kitchen:Oven:Measure:temperature is_detecting INITIAL_VALUE_UNDEFINED

CONSOLE: Set the value now, should work

House1:Kitchen:Oven is_in_room House1:Kitchen

House1:Kitchen:Oven is_of_type Oven

House1:Kitchen:Oven:Measure:temperature is_detecting 200.0

Process finished with exit code 0

Invalid Device State Value Tests

Executing Script file: '/Users/jerclark/Dropbox/Harvard Extension/CSCIE-97/Assignments/out/production/CSCIE-97/cscie97/asn2/housemate/test/housemate_invalid_state_value.txt'

CONSOLE: Test InvalidDeviceStateException

CONSOLE: Create temperature measure and burner_1_heat setting

Measure:temperature accepts_values Float

Measure:temperature has_name temperature

Setting:burner_1_heat has_name burner_1_heat

Setting:burner_1_heat accepts_values HIGH|MED|LOW

CONSOLE: Adding house, room, device

House1 has_num_floors 2

House1 has_address 115_Hamlet_St

House1 has_name House1

House1:Kitchen:Oven is_in_room House1:Kitchen

House1:Kitchen:Oven is_of_type Oven

CONSOLE: Add the features to oven

House1:Kitchen:Oven:Measure:temperature is_detecting INITIAL_VALUE_UNDEFINED

House1:Kitchen:Oven:Setting:burner_1_heat is_set_to INITIAL_VALUE_UNDEFINED

CONSOLE: Set invalid values

cscie97.asn2.housemate.model.InvalidDeviceStateException: Device Measure:temperature accepts values of type Float but received ON

cscie97.asn2.housemate.model.InvalidDeviceStateException: Device Setting:burner_1_heat accepts values of type HIGH|MED|LOW but received HOT

CONSOLE: Set valid values

House1:Kitchen:Oven is_in_room House1:Kitchen

House1:Kitchen:Oven is_of_type Oven

House1:Kitchen:Oven:Measure:temperature is_detecting 200.5

House1:Kitchen:Oven:Setting:burner_1_heat is_set_to INITIAL_VALUE_UNDEFINED

House1:Kitchen:Oven is_in_room House1:Kitchen

House1:Kitchen:Oven is_of_type Oven

House1:Kitchen:Oven:Measure:temperature is_detecting 200.5

House1:Kitchen:Oven:Setting:burner_1_heat is_set_to HIGH

Process finished with exit code 0