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

CONSOLE: **********************
CONSOLE: **********************
CONSOLE: MODEL SETUP
CONSOLE: **********************
CONSOLE: **********************

CONSOLE: CREATE HOUSE AND LIVING ROOM

CONSOLE: CREATE OCCUPANT

CONSOLE: CREATE SMART BLINDS
House1:LivingRoom:WindowBlinds:Setting:blind_position is_set_to
INITIAL_VALUE_UNDEFINED
House1:LivingRoom:WindowBlinds is_of_type WindowBlinds
House1:LivingRoom:WindowBlinds is_in_room House1:LivingRoom
House1:LivingRoom:WindowBlinds:Setting:blind_position is_set_to UP

CONSOLE: CREATE SMART TV
House1:LivingRoom:TV:Setting:media_source is_set_to
INITIAL_VALUE_UNDEFINED
House1:LivingRoom:TV is_of_type TV
House1:LivingRoom:TV is_in_room House1:LivingRoom
House1:LivingRoom:TV:Setting:media_source is_set_to CABLE

CONSOLE: **********************
CONSOLE: **********************
CONSOLE: EXCEPTIONS
CONSOLE: **********************
CONSOLE: **********************

cscie97.asn3.housemate.controller.ControllerNamedItemExistsException:
Controller Item of type Rule already exists with name: TestRule.
Please use another name.
Created rule: TestRule
CONSOLE: ATTEMPT TO CREATE AN ALREADY EXISTING RULE

Created predicate: BadPredicate
Created predicate: GoodPredicate
Created command: BadFeatureUpdateCommand
Created command: GoodFeatureUpdateCommand
cscie97.asn2.housemate.model.ItemNotFoundException: No item found with
identifier: House1:LivingRoom:TV:BogusFeature
cscie97.asn2.housemate.model.ItemNotFoundException: No item found with

identifier: NoRULE
Created context: BadContext
Created context: GoodContext
Rule 'TestRule' subscribed to feature:
'House1:LivingRoom:TV:Setting:media_source

CONSOLE: SUBSCRIBE RULE TO FEATURE THAT DOESNT EXIST

CONSOLE: SUBSCRIBE NON-EXISTENT RULE TO FEATURE

CONSOLE: PERFORM BAD PREDICATE JS
Added predicate: 'BadPredicate' to rule: 'TestRule'
Added context: 'GoodContext' to rule: 'TestRule'
CONTROLLER: Rule 'TestRule' received update notification from
House1:LivingRoom:TV:Setting:media_source
javax.script.ScriptException: ReferenceError: "bogus" is not defined
in <eval> at line number 1
        at
jdk.nashorn.api.scripting.NashornScriptEngine.throwAsScriptException(N
ashornScriptEngine.java:470)
        at
jdk.nashorn.api.scripting.NashornScriptEngine.evalImpl(NashornScriptEn
gine.java:454)
        at
jdk.nashorn.api.scripting.NashornScriptEngine.evalImpl(NashornScriptEn
gine.java:406)
        at
jdk.nashorn.api.scripting.NashornScriptEngine.evalImpl(NashornScriptEn
gine.java:402)
        at
jdk.nashorn.api.scripting.NashornScriptEngine.eval(NashornScriptEngine
.java:155)
        at
javax.script.AbstractScriptEngine.eval(AbstractScriptEngine.java:264)
        at
cscie97.asn3.housemate.controller.PredicateCreator.lambda$createJSPred
icate$0(PredicateCreator.java:35)
        at java.util.function.Predicate.lambdaand0(Predicate.java:
69)
        at cscie97.asn3.housemate.controller.Rule.match(Rule.java:54)
        at cscie97.asn3.housemate.controller.Rule.update(Rule.java:33)
        at java.util.Observable.notifyObservers(Observable.java:159)
        at java.util.Observable.notifyObservers(Observable.java:115)
        at
cscie97.asn2.housemate.model.Feature.saveState(Feature.java:72)
        at
cscie97.asn2.housemate.model.HouseMateModelServiceImpl.updateFeature(H
ouseMateModelServiceImpl.java:328)
        at

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        cscie97.asn2.housemate.model.CommandProcessor.processCommandList(Comma
ndProcessor.java:252)
        at
cscie97.asn2.housemate.model.CommandProcessor.processCommandFile(Comma
ndProcessor.java:66)
        at
cscie97.asn3.housemate.test.TestDriver.main(TestDriver.java:51)
Caused by: <eval>:1 ReferenceError: "bogus" is not defined
        at
jdk.nashorn.internal.runtime.ECMAErrors.error(ECMAErrors.java:57)
        at
jdk.nashorn.internal.runtime.ECMAErrors.referenceError(ECMAErrors.java
:319)
        at
jdk.nashorn.internal.runtime.ECMAErrors.referenceError(ECMAErrors.java
:291)
        at
jdk.nashorn.internal.objects.Global.__noSuchProperty__(Global.java:
1441)
        at jdk.nashorn.internal.scripts.Script$
\^eval\_.:program(<eval>:1)
        at
jdk.nashorn.internal.runtime.ScriptFunctionData.invoke(ScriptFunctionD
ata.java:637)
        at
jdk.nashorn.internal.runtime.ScriptFunction.invoke(ScriptFunction.java
:494)
        at
jdk.nashorn.internal.runtime.ScriptRuntime.apply(ScriptRuntime.java:
393)
        at
jdk.nashorn.api.scripting.NashornScriptEngine.evalImpl(NashornScriptEn
gine.java:449)
        ... 15 more
java.lang.NullPointerException

CONSOLE: PERFORM BAD COMMAND JS
Removed predicate: 'BadPredicate' to rule: 'TestRule'
Added command: 'BadFeatureUpdateCommand' to rule: 'TestRule'
CONTROLLER: Rule 'TestRule' received update notification from
House1:LivingRoom:TV:Setting:media_source
CONTROLLER: Rule 'TestRule' all predicates pass. Executing commands.
CONTROLLER: Rule 'TestRule' executing command var r = {};r;
cscie97.asn3.housemate.controller.CommandExecuteException: There was
an issue executing the command: var r = {};r;. The underlying issue
was: java.lang.Exception: Feature Update Command JS String doesn't
return proper values: targetDeviceScope, targetDeviceStateFqn,
targetValue
House1:LivingRoom:TV is_of_type TV
House1:LivingRoom:TV is_in_room House1:LivingRoom
```

House1:LivingRoom:TV:Setting:media_source is_set_to CABLE

CONSOLE: PERFORM BAD CONTEXT FETCH
Removed command: 'BadFeatureUpdateCommand' to rule: 'TestRule'
Added command: 'GoodFeatureUpdateCommand' to rule: 'TestRule'
Added context: 'BadContext' to rule: 'TestRule'
CONTROLLER: Rule 'TestRule' received update notification from
House1:LivingRoom:TV:Setting:media_source
CONTROLLER: Rule 'TestRule' all predicates pass. Executing commands.
CONTROLLER: Rule 'TestRule' executing command var r =
{targetDeviceScope:'House1:LivingRoom:WindowBlinds',
targetDeviceStateFqn:'Setting:blind_position', targetValue:'DOWN'};r;
A ContextFetchException was encountered:
cscie97.asn3.housemate.controller.ContextFetchException: There was an
issue populating the context. The underlying issue was:
cscie97.asn2.housemate.model.ItemNotFoundException: No item found with
identifier: House1:Den
Feature Update command failed to update feature because of:
java.lang.RuntimeException:
cscie97.asn3.housemate.controller.ContextFetchException: There was an
issue populating the context. The underlying issue was:
cscie97.asn2.housemate.model.ItemNotFoundException: No item found with
identifier: House1:Den
java.lang.RuntimeException:
cscie97.asn3.housemate.controller.ContextFetchException: There was an
issue populating the context. The underlying issue was:
cscie97.asn2.housemate.model.ItemNotFoundException: No item found with
identifier: House1:Den