

dtSMS



value : ptString



is(): ptBoolean







ctState

- ⓐ nextValueForAlertID : dtInteger
- ⓐ nextValueForCrisisID : dtInteger
- ⓐ clock : dtDateAndTime
- ⓐ crisisReminderPeriod : dtSecond
- ⓐ maxCrisisReminderPeriod : dtSecond
- ⓐ vpLastReminder : dtDateAndTime
- ⓐ vpStarted : ptBoolean

1 rnSystem

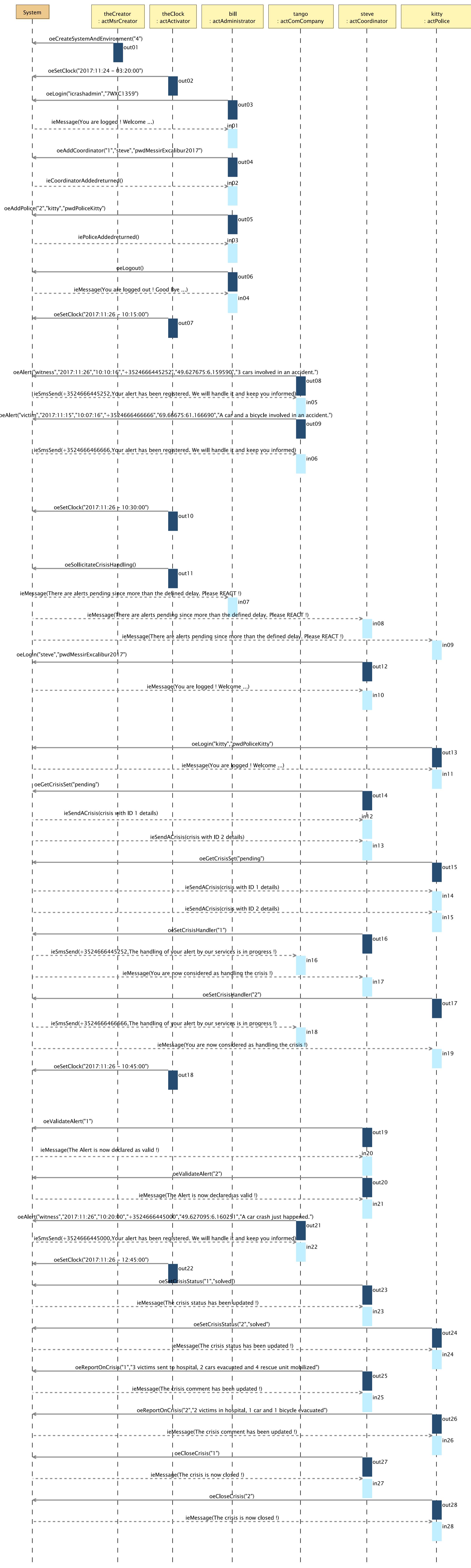


[0..*] rnctCrisis



ctCrisis

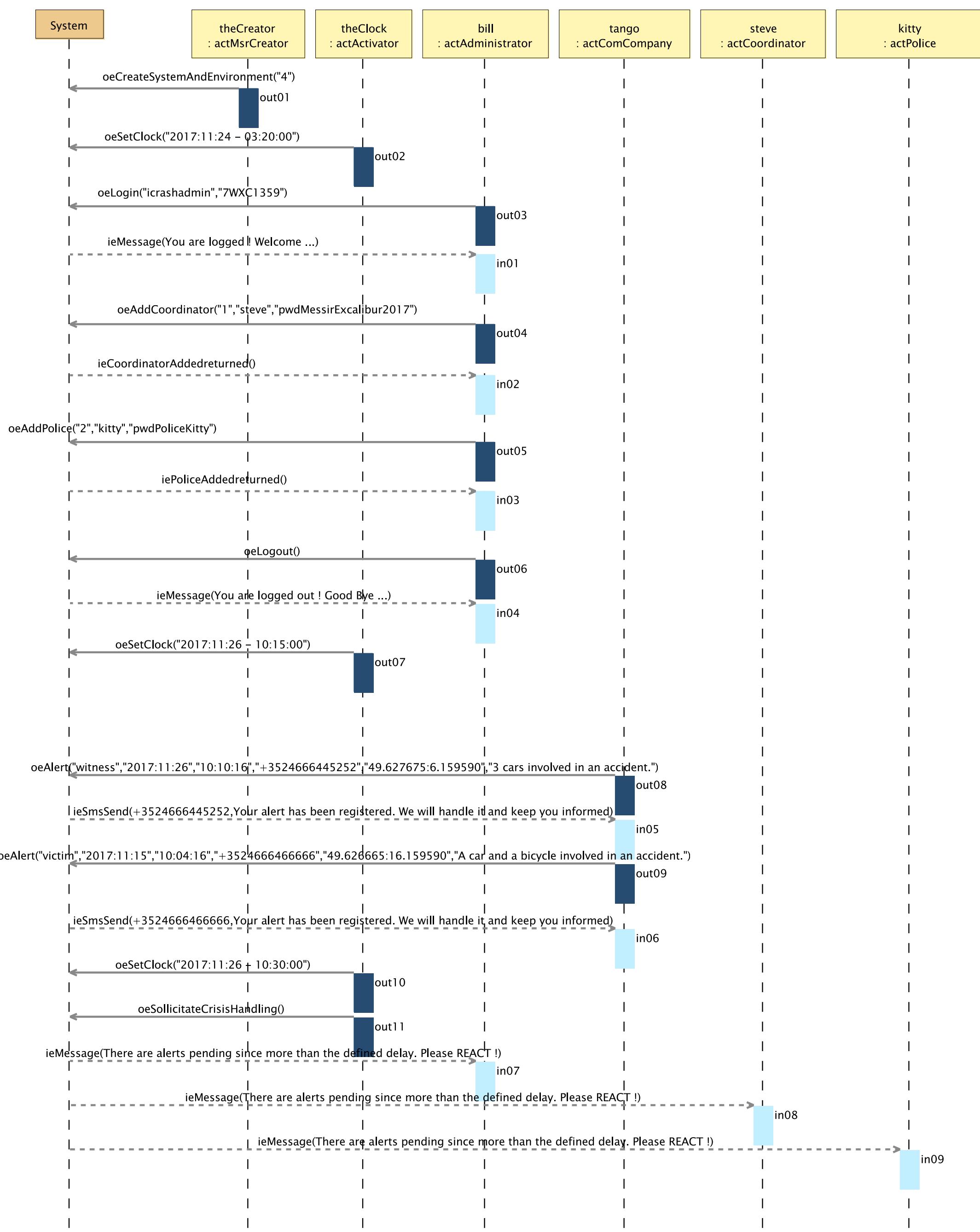
- ⓐ id : dtCrisisID
- ⓐ type : etCrisisType
- ⓐ status : etCrisisStatus
- ⓐ location : dtGPSLocation
- ⓐ instant : dtDateAndTime
- ⓐ comment : dtComment
 - handlingDelayPassed(): ptBoolean
 - maxHandlingDelayPassed(): ptBoolean
 - isAllocatedIfPossible(): ptBoolean
 - isSentToPolice(AactPolice: actPolice): ptBoolean

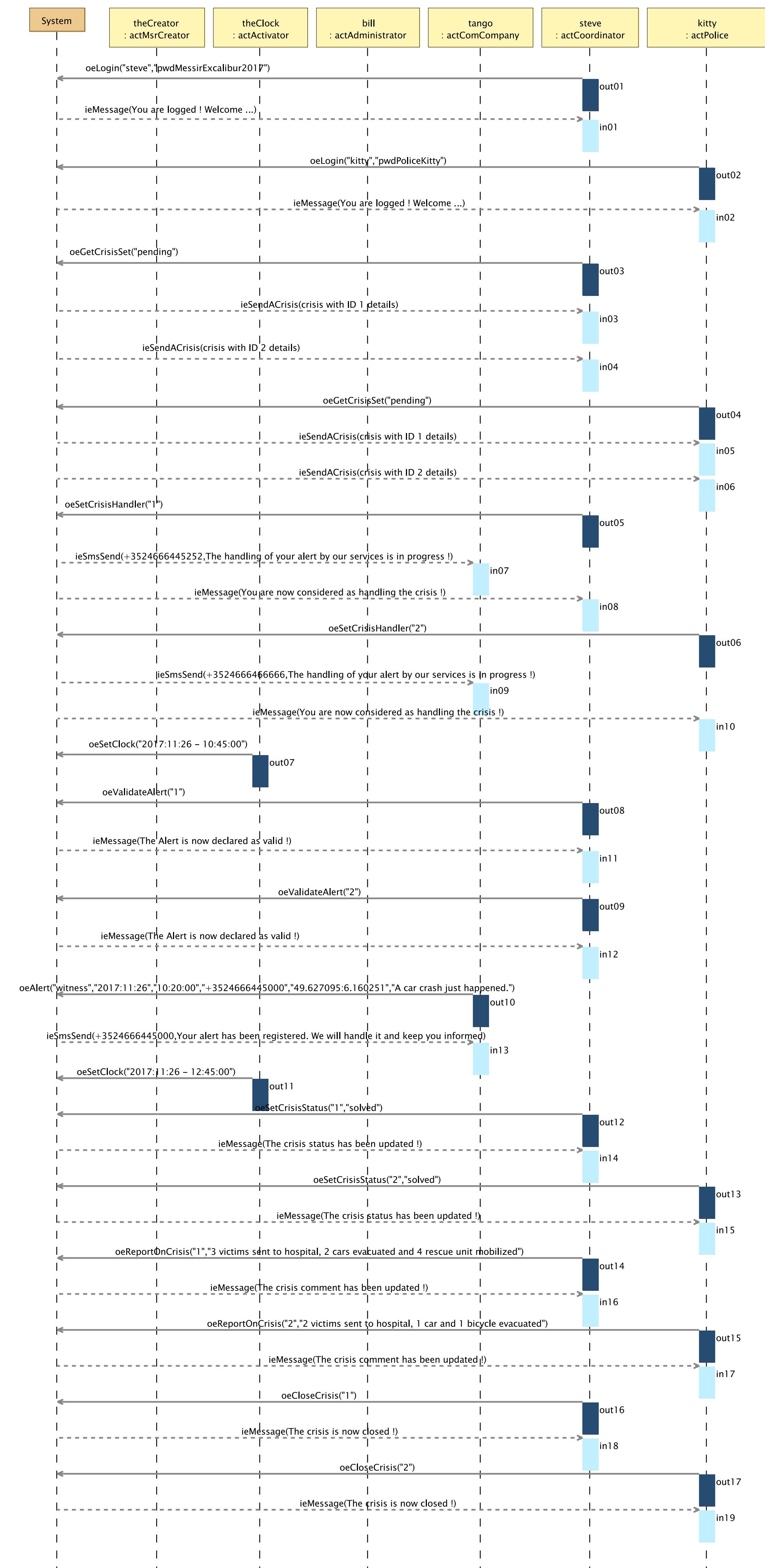


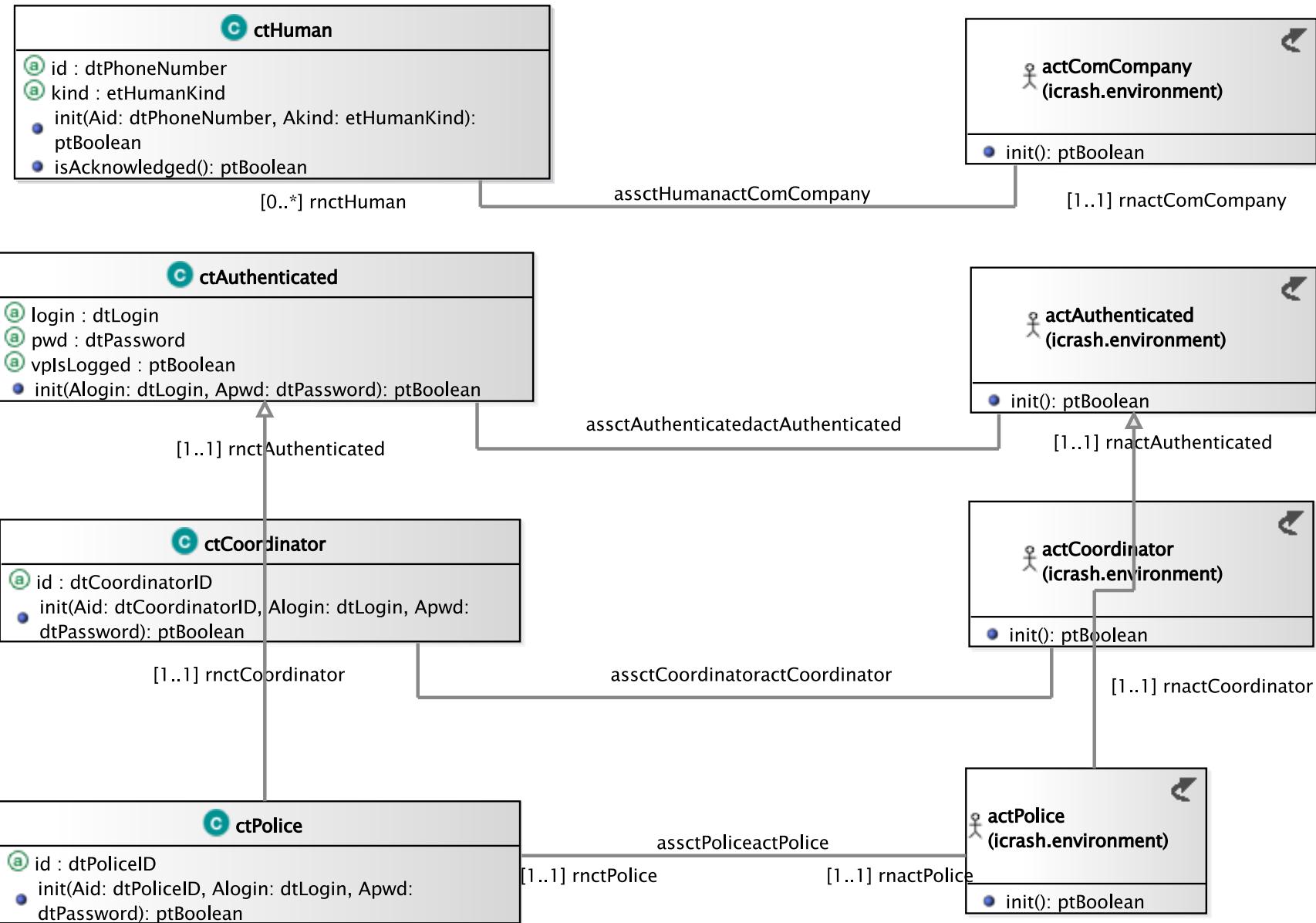


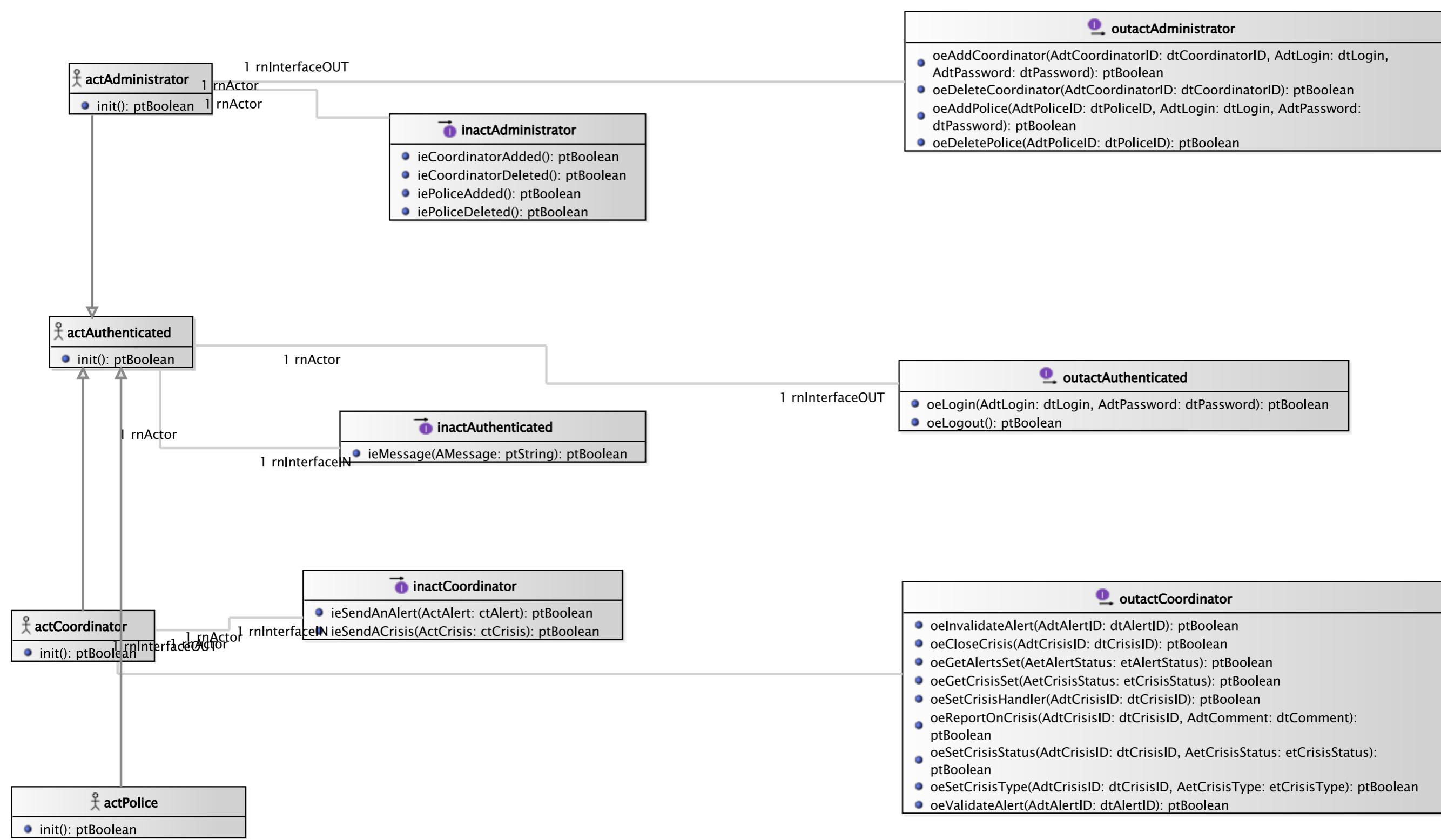
dtGPSLocation

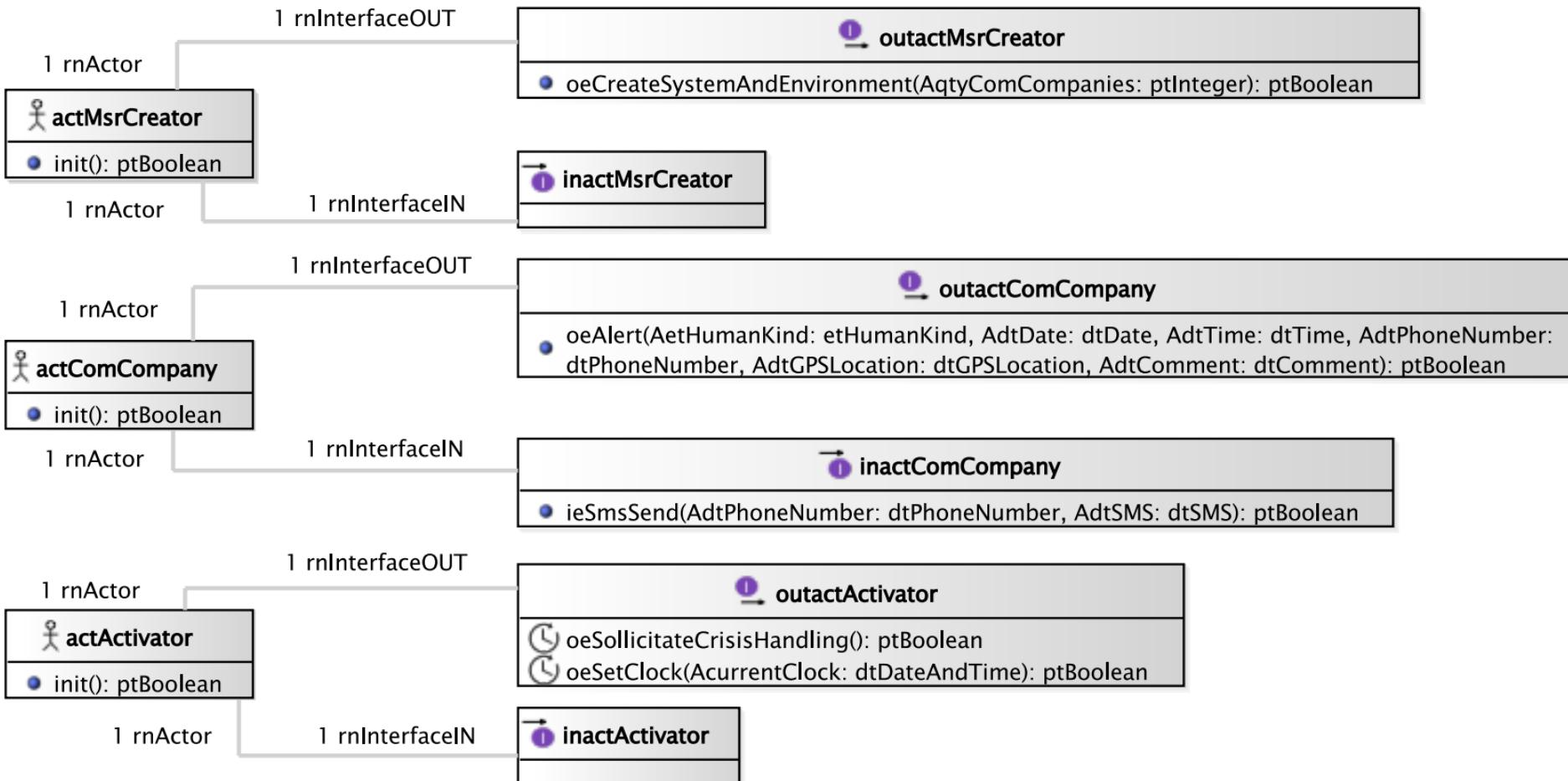
- **latitude** : dtLatitude
- **longitude** : dtLongitude
- **is()**: ptBoolean
- **isNearTo(AGPSLocation: dtGPSLocation): ptBoolean**

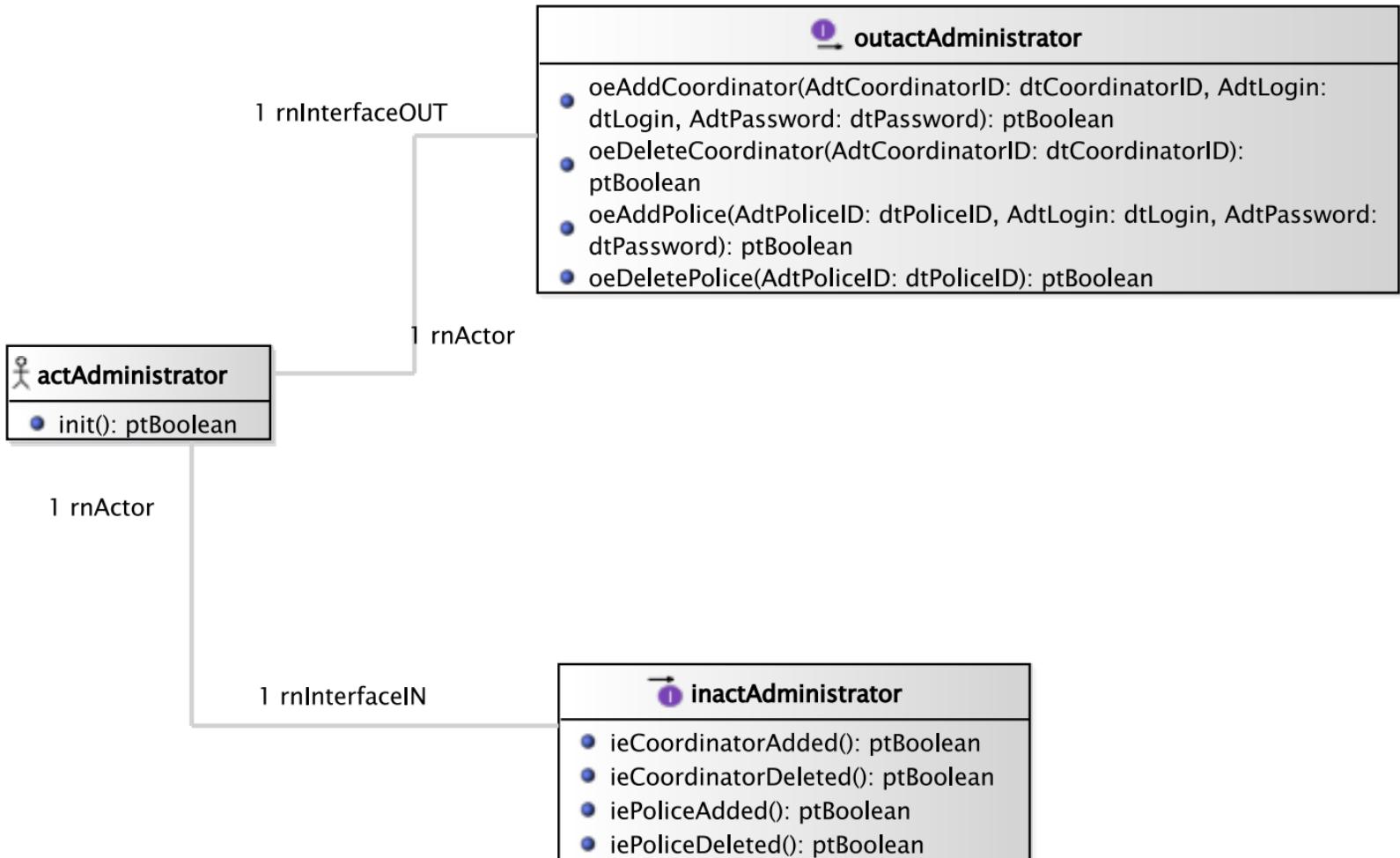


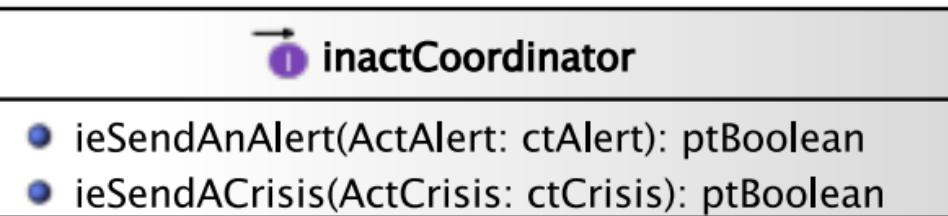
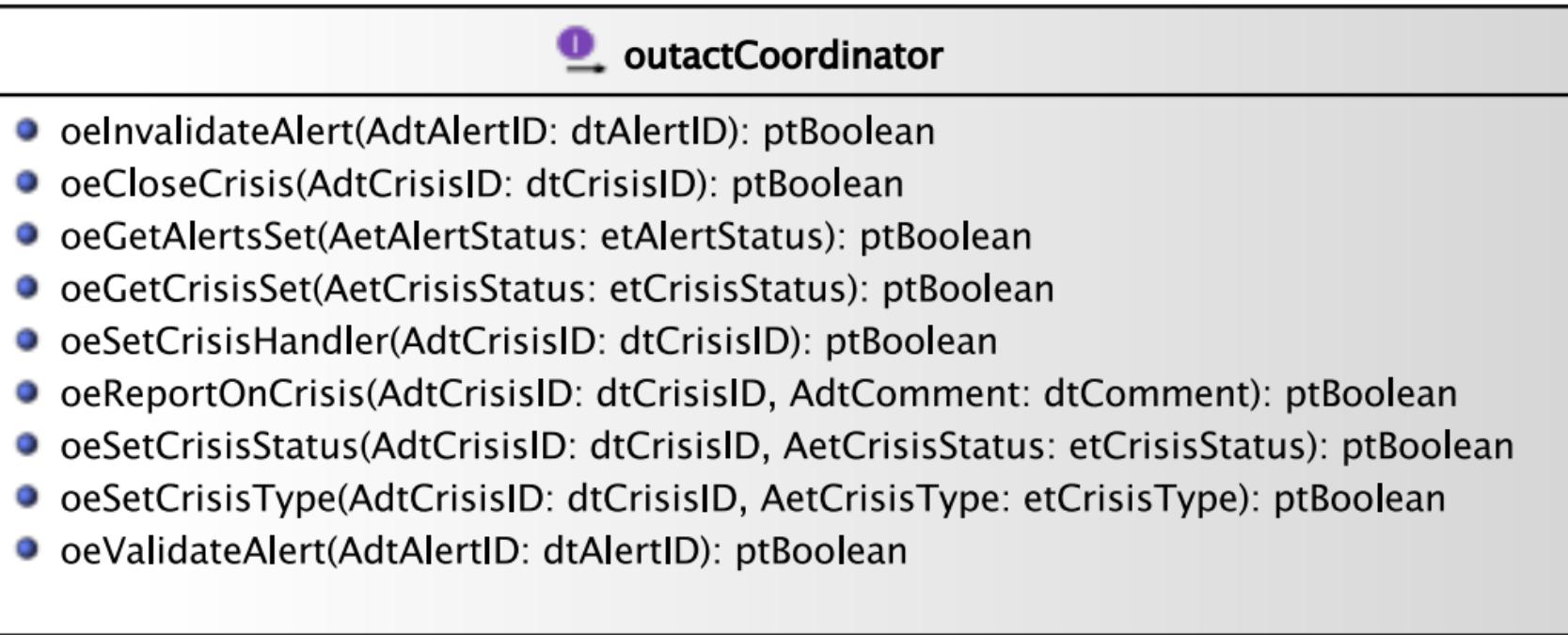
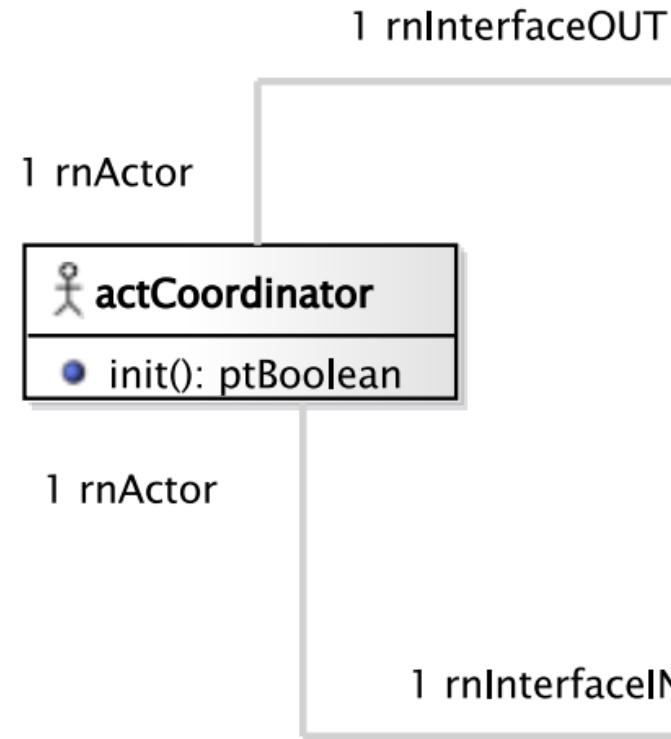












1 rnInterfaceOUT

1 rnActor

actAuthenticated

• init(): ptBoolean

1 rnActor

1 rnInterfaceIN

outactAuthenticated

- oeLogin(AdtLogin: dtLogin, AdtPassword: dtPassword): ptBoolean
- oeLogout(): ptBoolean

inactAuthenticated

- ieMessage(AMessage: ptString): ptBoolean

C**ctState**

- Ⓐ nextValueForAlertID : dtInteger
- Ⓐ nextValueForCrisisID : dtInteger
- Ⓐ clock : dtDateAndTime
- Ⓐ crisisReminderPeriod : dtSecond
- Ⓐ maxCrisisReminderPeriod : dtSecond
- Ⓐ vpLastReminder : dtDateAndTime
- Ⓐ vpStarted : ptBoolean

init(AnextValueForAlertID: dtInteger, AnextValueForCrisisID: dtInteger,
Aclock: dtDateAndTime, AcrisisReminderPeriod: dtSecond,
AmaxCrisisReminderPeriod: dtSecond, AvpLastReminder:
dtDateAndTime, AvpStarted: ptBoolean): ptBoolean

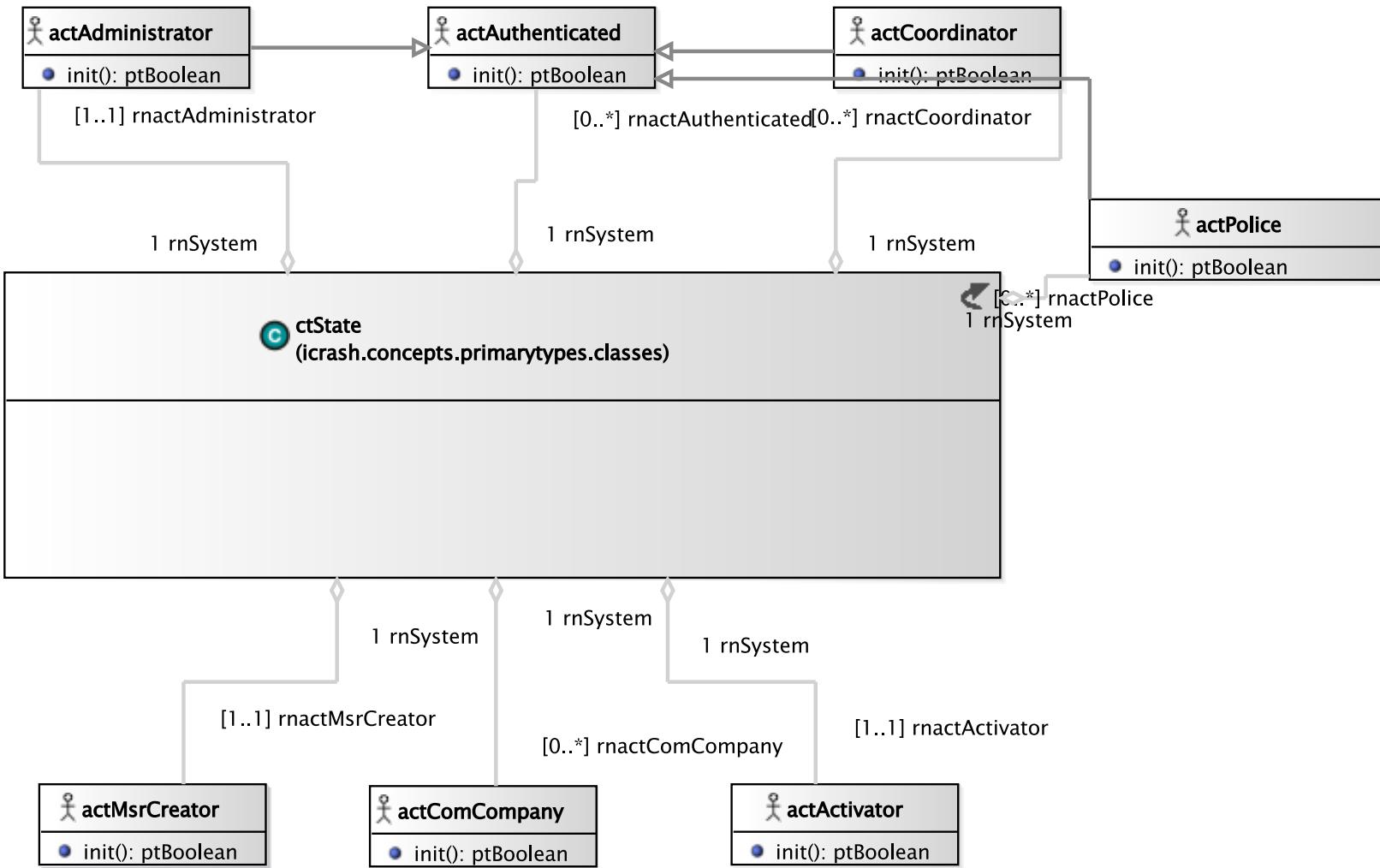
C ctAlert

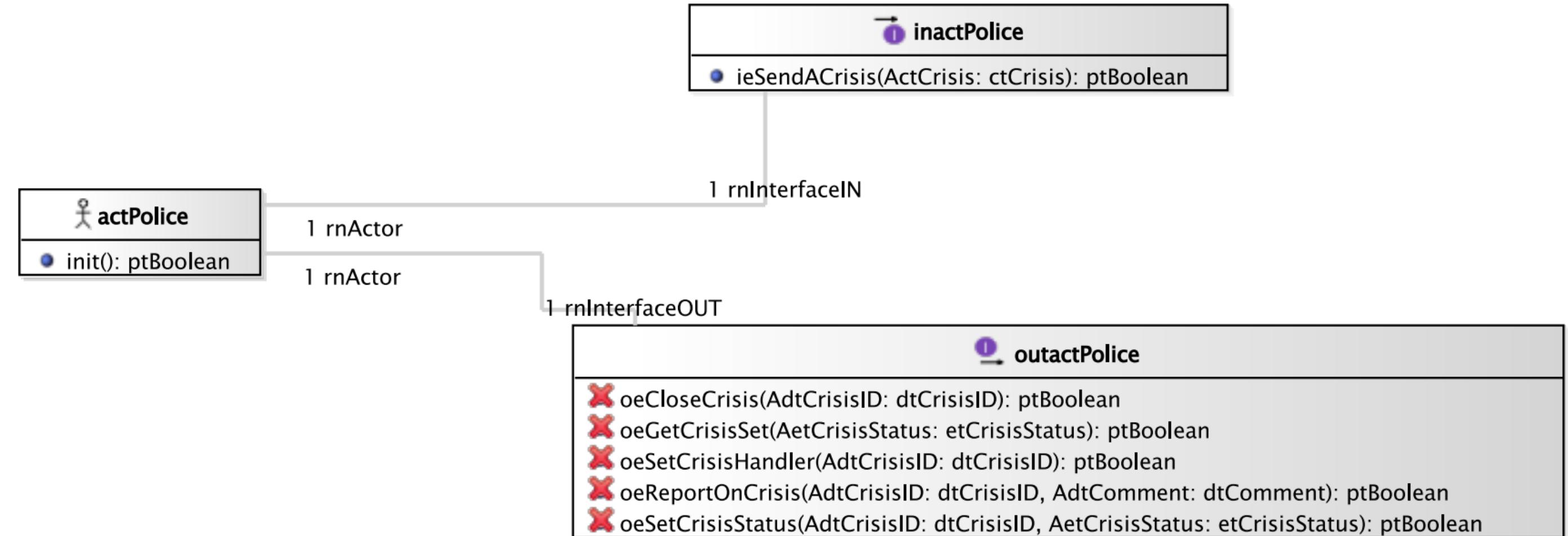
- id : dtAlertID
- status : etAlertStatus
- location : dtGPSLocation
- instant : dtDateAndTime
- comment : dtComment
- init(Aid: dtAlertID, Astatus: etAlertStatus, Alocation: dtGPSLocation, Ainstant: dtDateAndTime, Acomment: dtComment): ptBoolean
- isSentToCoordinator(AactCoordinator: actCoordinator): ptBoolean

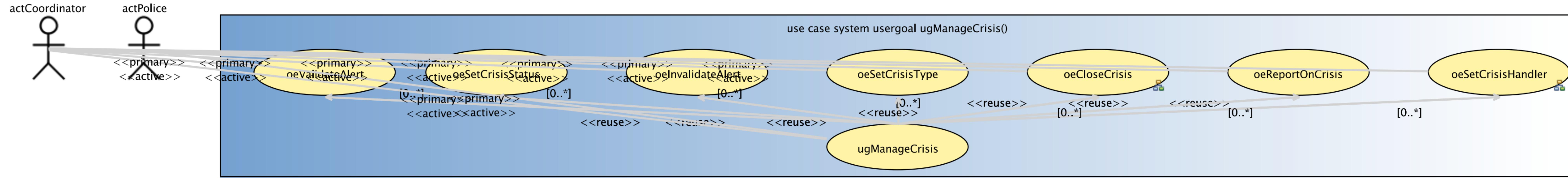
C

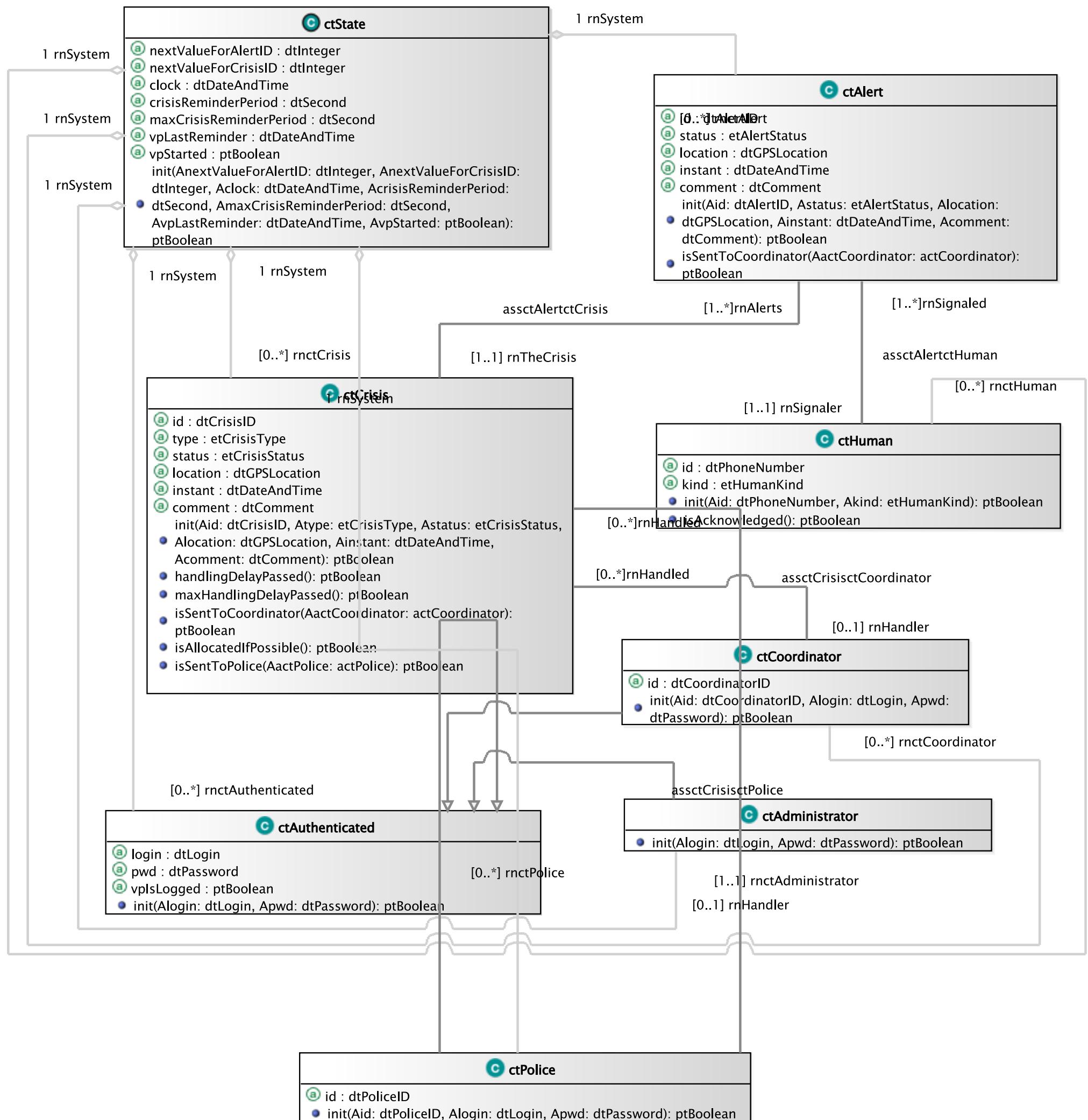
ctCrisis

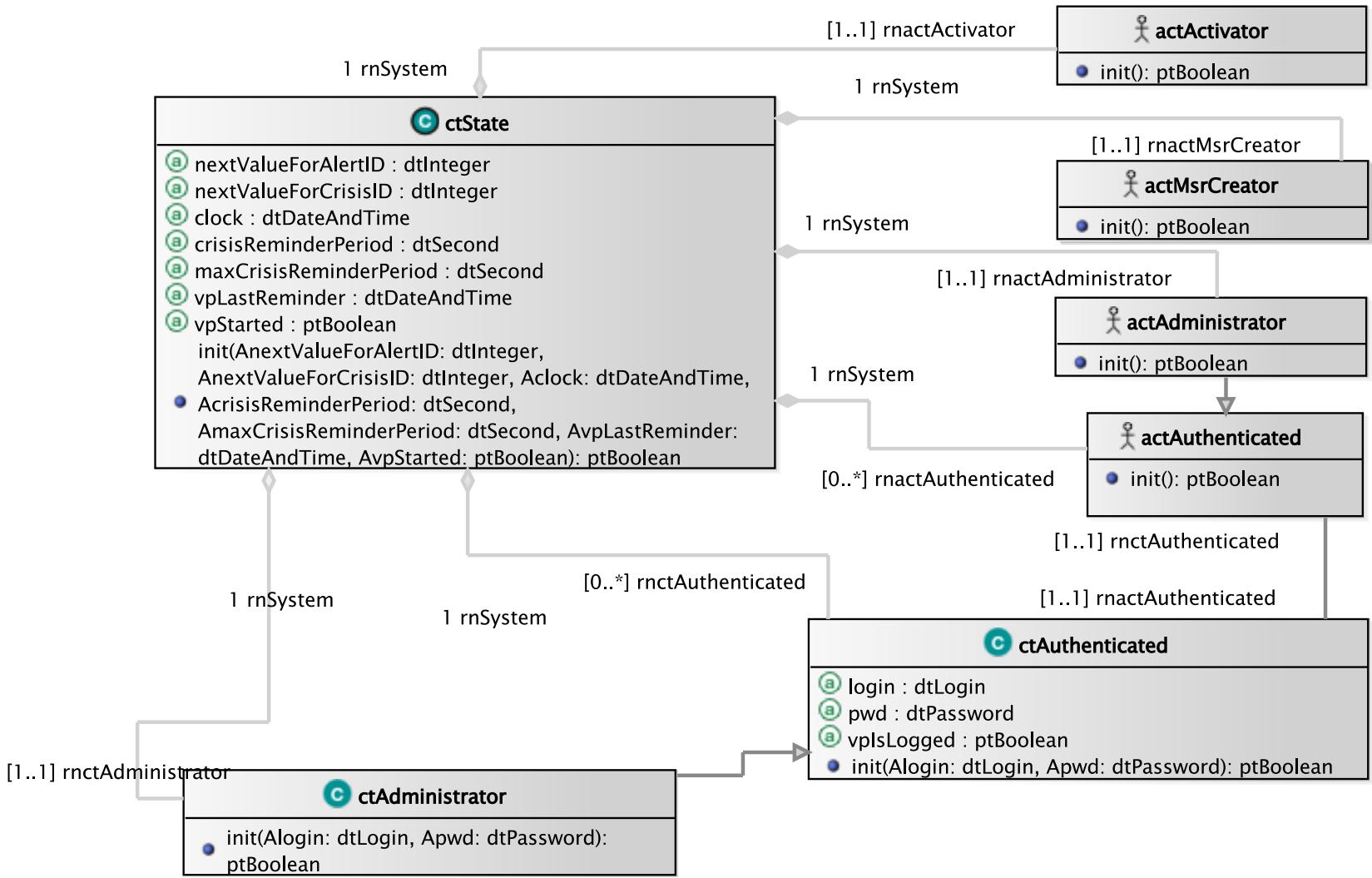
- Ⓐ id : dtCrisisID
- Ⓐ type : etCrisisType
- Ⓐ status : etCrisisStatus
- Ⓐ location : dtGPSLocation
- Ⓐ instant : dtDateAndTime
- Ⓐ comment : dtComment
 - init(Aid: dtCrisisID, Atype: etCrisisType, Astatus: etCrisisStatus, Alocation: dtGPSLocation, Ainstant: dtDateAndTime, Acomment: dtComment): ptBoolean
 - handlingDelayPassed(): ptBoolean
 - maxHandlingDelayPassed(): ptBoolean
 - isSentToCoordinator(AactCoordinator: actCoordinator): ptBoolean
 - isAllocatedIfPossible(): ptBoolean
 - isSentToPolice(AactPolice: actPolice): ptBoolean











DT dtString
(lu.uni.lassy.messir.libraries.string)

Ⓐ value : ptString

DT dtCoordinatorID
• is(): ptBoolean

DT dtAlertID
• is(): ptBoolean

DT dtLogin
• is(): ptBoolean

DT dtPassword
• is(): ptBoolean

DT dtComment
• is(): ptBoolean

DT dtLongitude
• is(): ptBoolean

DT dtLatitude
• is(): ptBoolean

DT dtCrisisID
• is(): ptBoolean

DT dtPhoneNumber
• is(): ptBoolean

DT dtGPSLocation
Ⓐ latitude : dtLatitude
Ⓐ longitude : dtLongitude
• is(): ptBoolean
• isNearTo(AGPSLocation: dtGPSLocation): ptBoolean

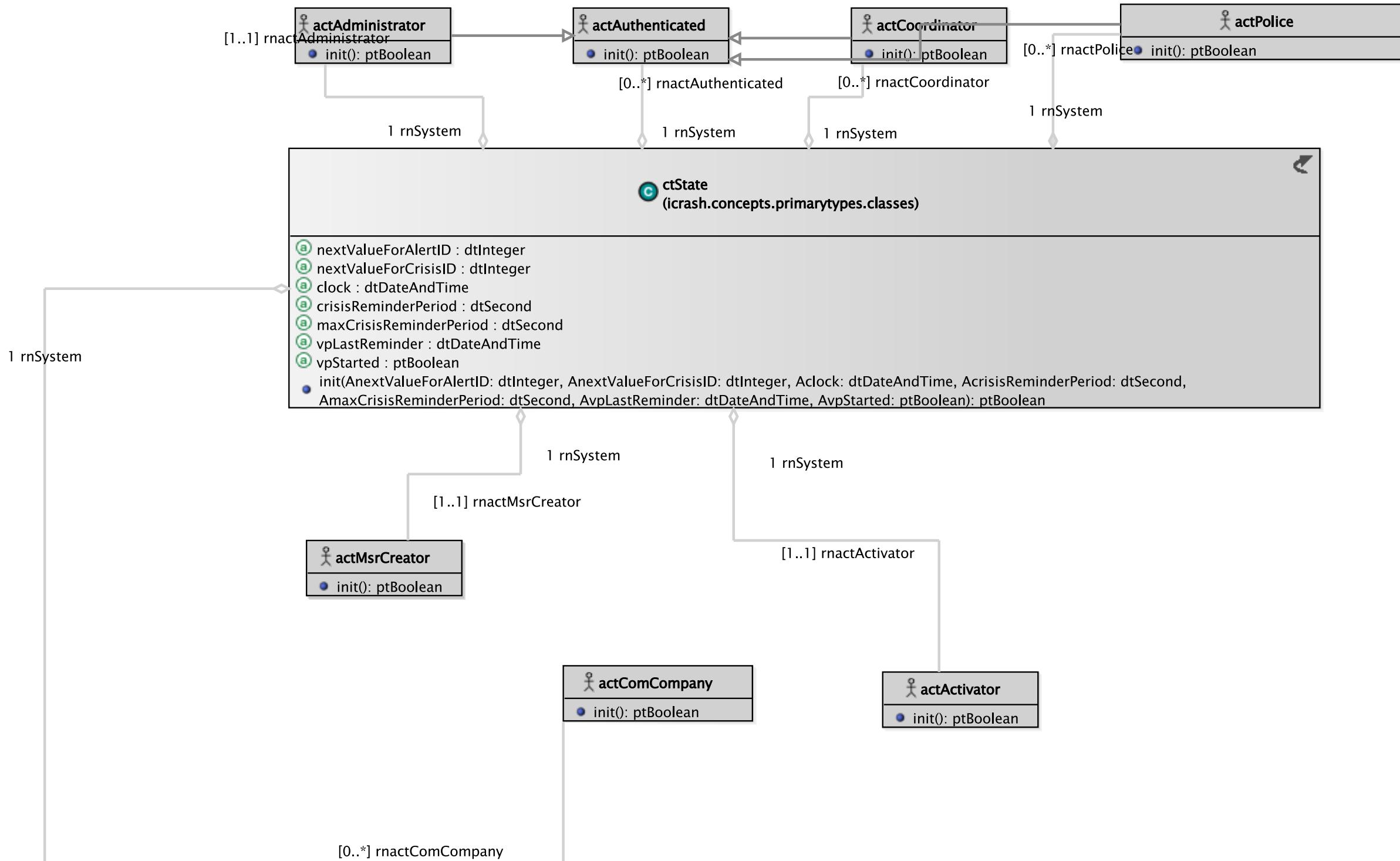
DT dtReal
(lu.uni.lassy.messir.libraries.math)
Ⓐ value : ptReal

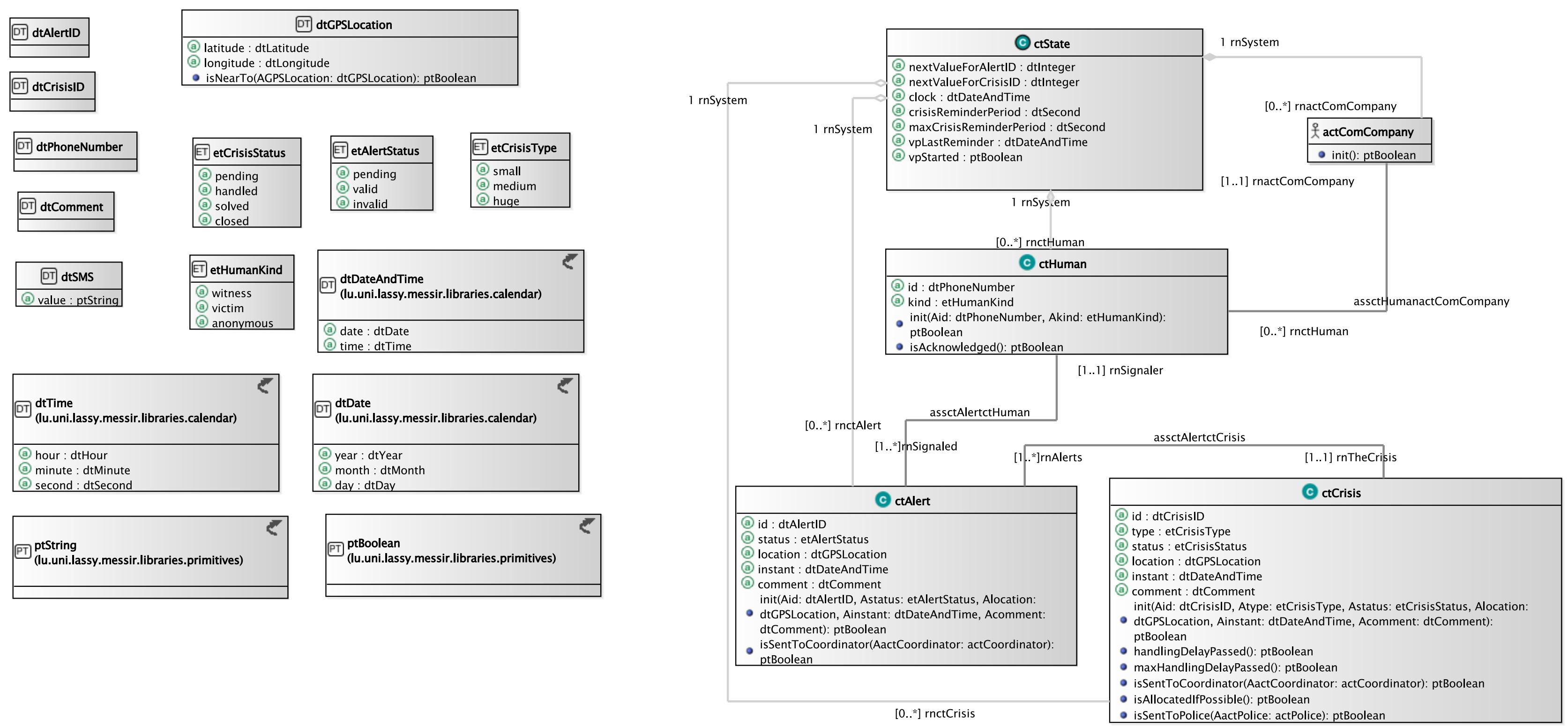
ET etCrisisStatus
Ⓐ pending
Ⓐ handled
Ⓐ solved
Ⓐ closed
• is(): ptBoolean

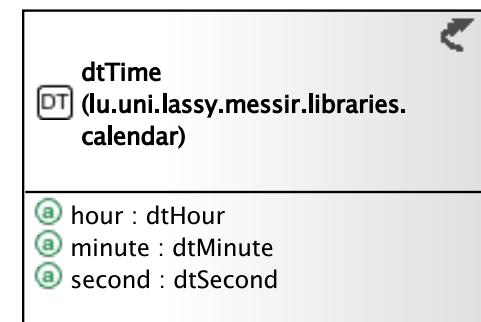
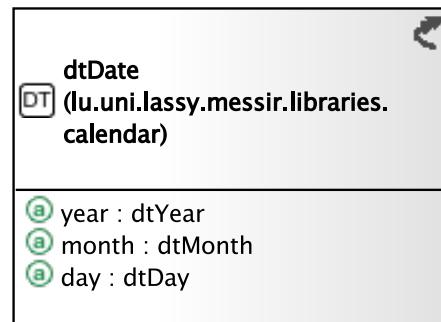
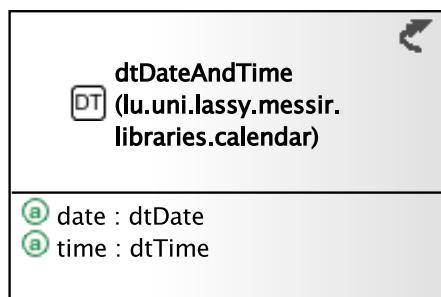
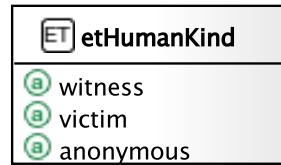
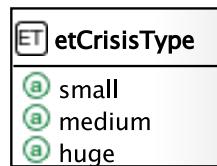
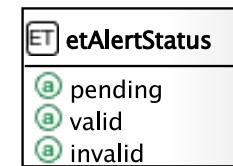
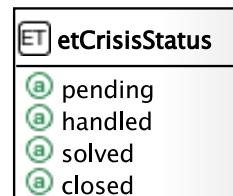
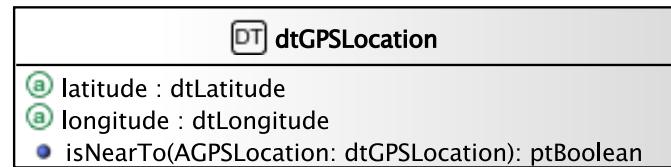
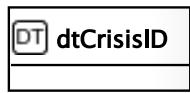
ET etAlertStatus
Ⓐ pending
Ⓐ valid
Ⓐ invalid
• is(): ptBoolean

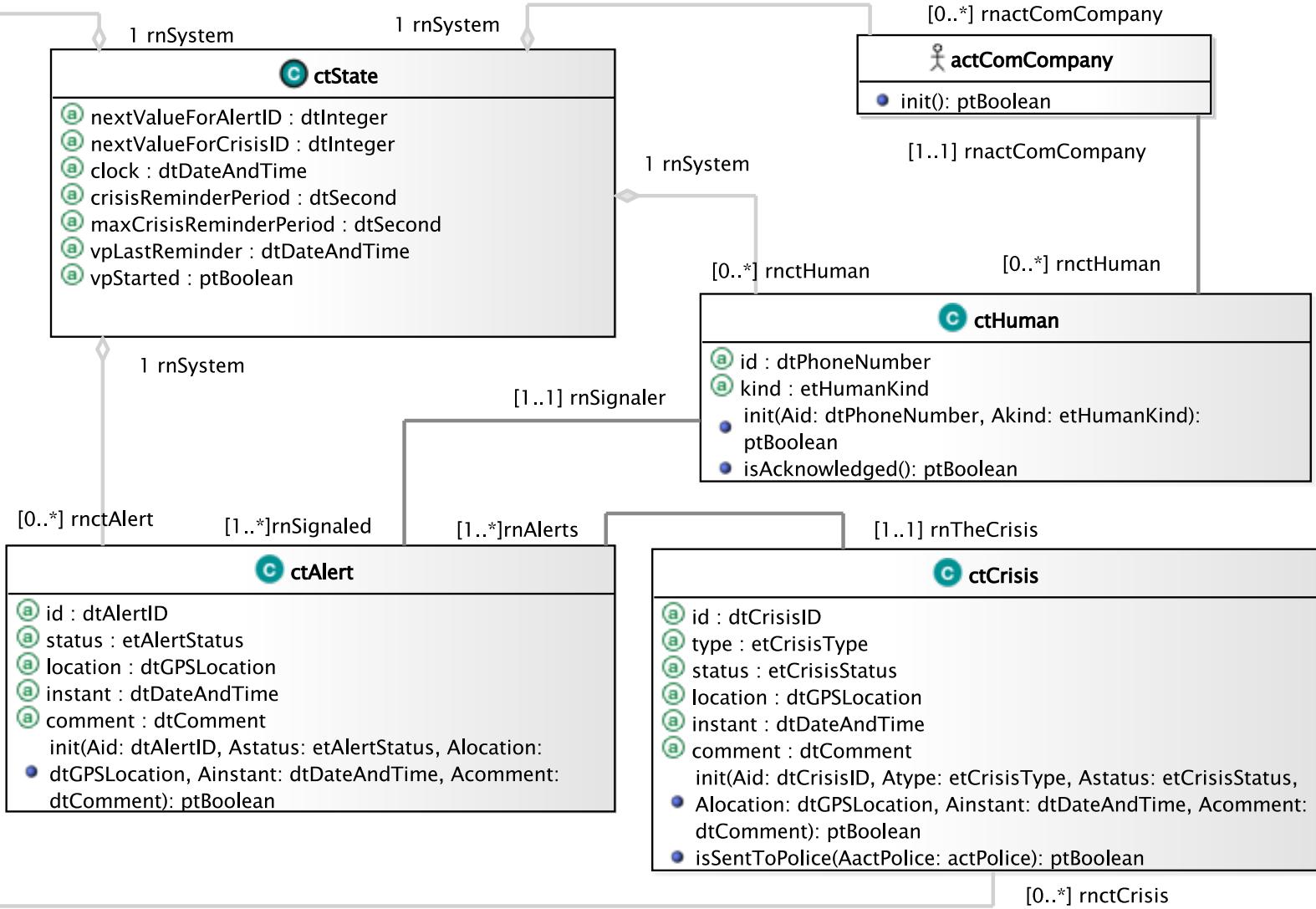
ET etCrisisType
Ⓐ small
Ⓐ medium
Ⓐ huge
• is(): ptBoolean

ET etHumanKind
Ⓐ witness
Ⓐ victim
Ⓐ anonymous
• is(): ptBoolean









actPolice



<<secondary>>
<<passive>>

use case system subfunction oeCloseCrisis
(AdtCrisisID:dtCrisisID)

oeCloseCrisis

<<primary>>
<<active>>

actCoordinator



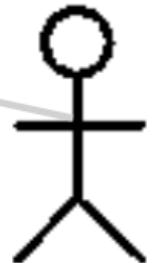
use case system subfunction
oeSetCrisisHandler(AdtCrisisID:
dtCrisisID)



<<secondary>>
~~~~  
<<passive>>  
~~~~  
<<active>>



<<secondary>>
~~~~  
<<passive>>  
~~~~  
<<multiple>>



actCoordinator
actComCompany

actPolice

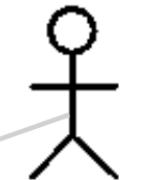


use case system subfunction
oeSollicitateCrisisHandling()

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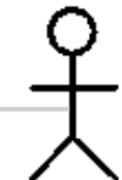
oeSollicitateCrisisHandling

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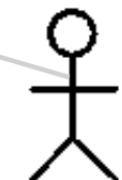
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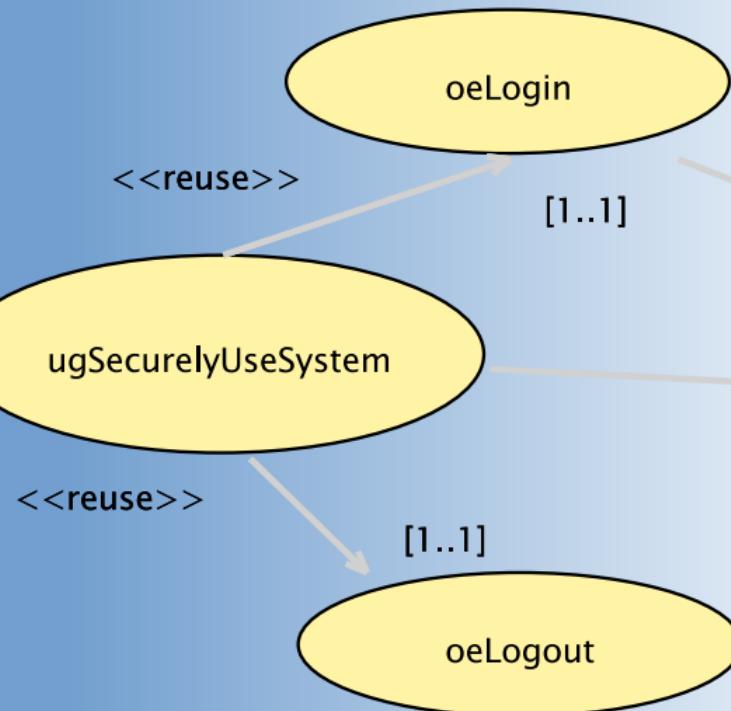
actCoordinator

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actAdministrator

use case system usergoal ugSecurelyUseSystem()



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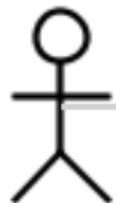
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actAuthenticated

use case system usergoal ugMonitor()

actPolice



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<<reuse>>

[0..*]

oeGetCrisisSet

ugMonitor

<<reuse>>

[0..*]

oeGetAlertsSet

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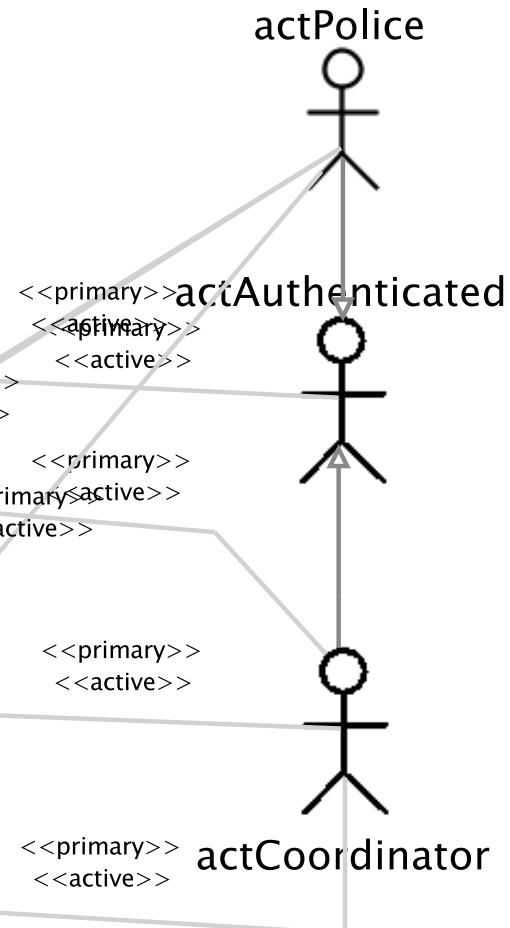
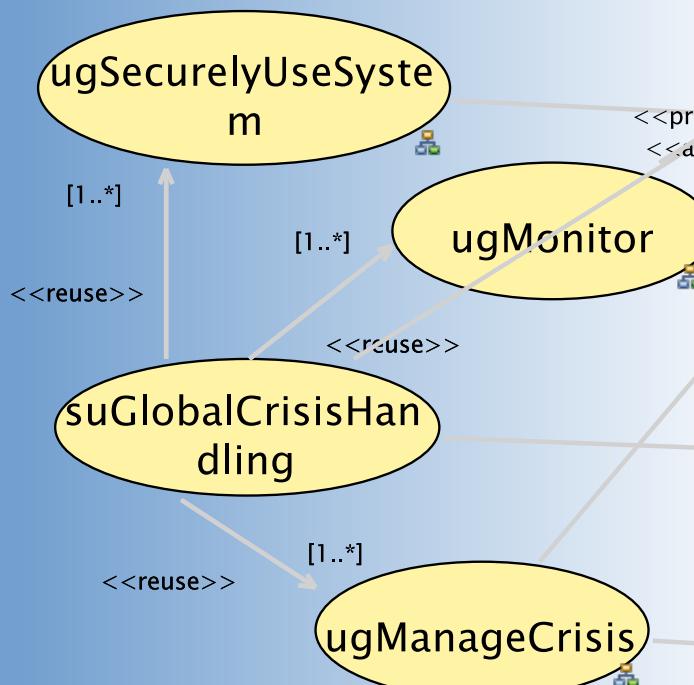
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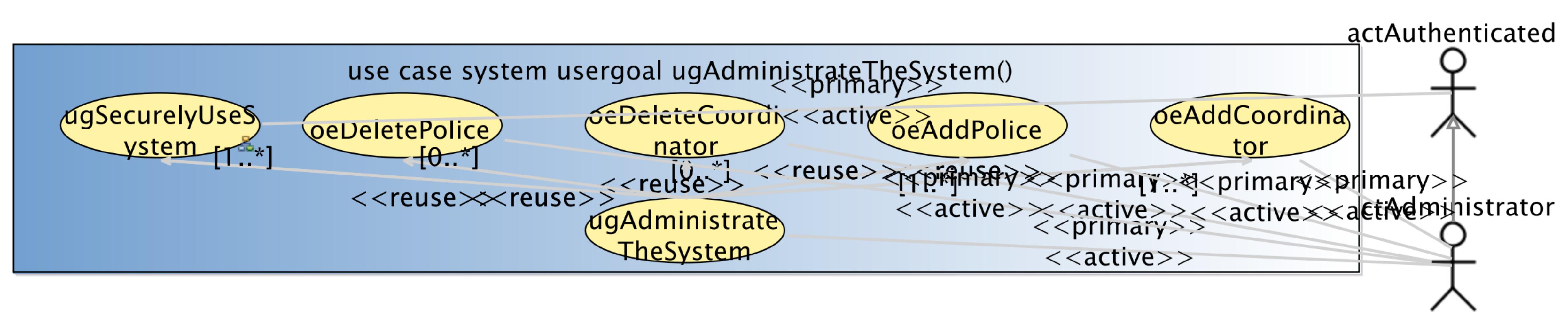
<<primary>>
<<active>>

actCoordinator



use case system summary suGlobalCrisisHandling()





actComCompany



actActivator



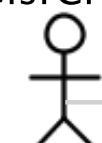
actPolice



actCoordinator



actMsrCreator



actAdministrator



use case system summary suDeployAndRun()

suGlobalCrisis
Handling

oeSetClock

oeSollicitateCri-
sisHandling

oeAlert

oeCreateSyste-
mAndEnviro

ugAdministre
TheSystem

suDeployAndRu-
n

<<primary>>
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