

c ctHuman

- ❶ id : dtPhoneNumber
- ❷ kind : etHumanKind
- init(Aid: dtPhoneNumber, Akind: etHumanKind): ptBoolean
- isAcknowledged(): ptBoolean

[0.. *] rnctHuman

**actComCompany
(icrash.environment)**

- init(): ptBoolean

[1..1] rnactComCompany

c ctAuthenticated

- ❶ login : dtLogin
- ❷ pwd : dtPassword
- ❸ vpIsLogged : ptBoolean
- init(Alogin: dtLogin, Apwd: dtPassword): ptBoolean

[1..1] rnctAuthenticated

**actAuthenticated
(icrash.environment)**

- init(): ptBoolean

[1..1] rnactAuthenticated

c ctCoordinator

- ❶ id : dtCoordinatorID
- init(Aid: dtCoordinatorID, Alogin: dtLogin, Apwd: dtPassword): ptBoolean

[1..1] rnctCoordinator

**actCoordinator
(icrash.environment)**

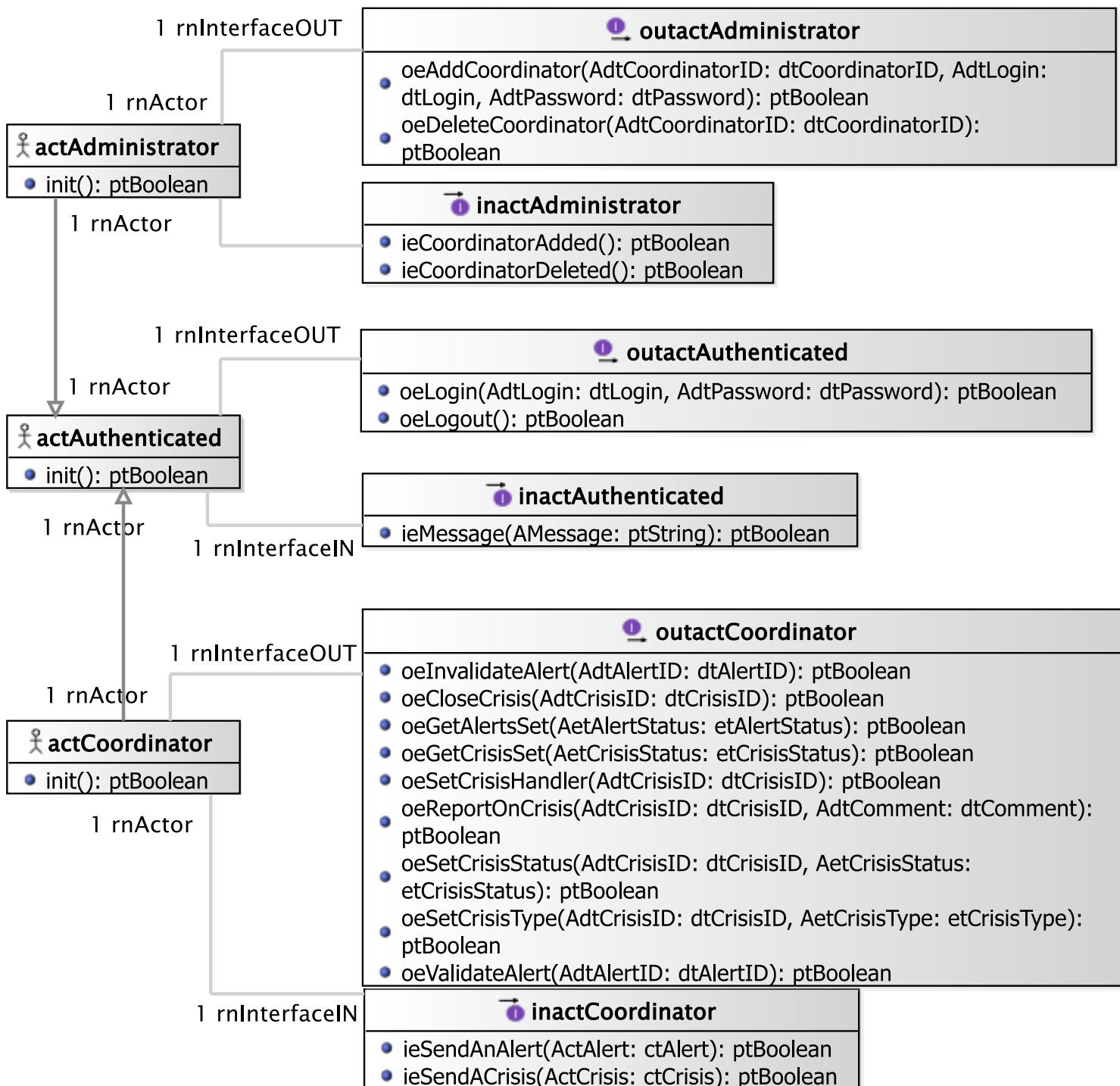
- init(): ptBoolean

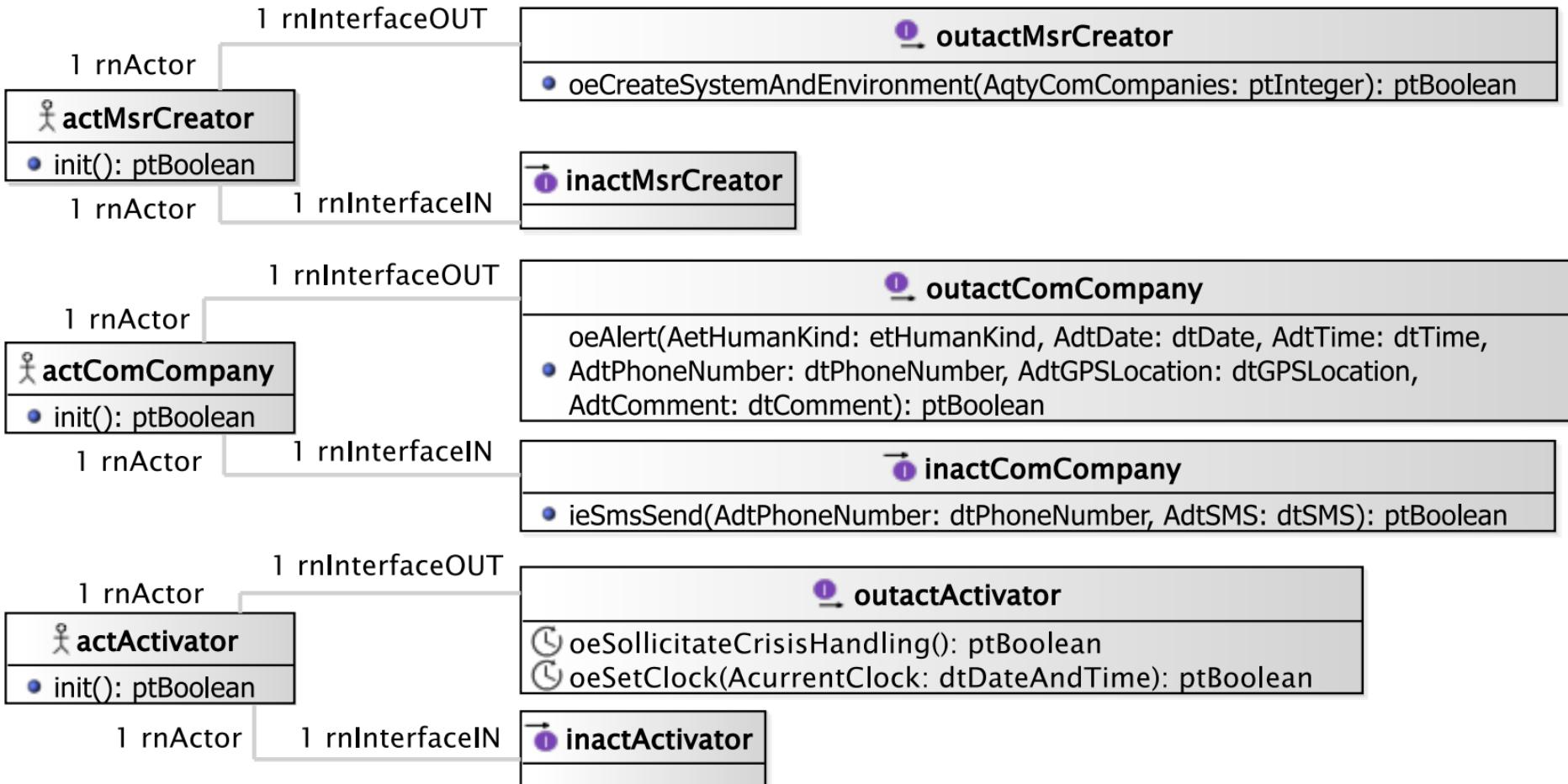
[1..1] rnactCoordinator

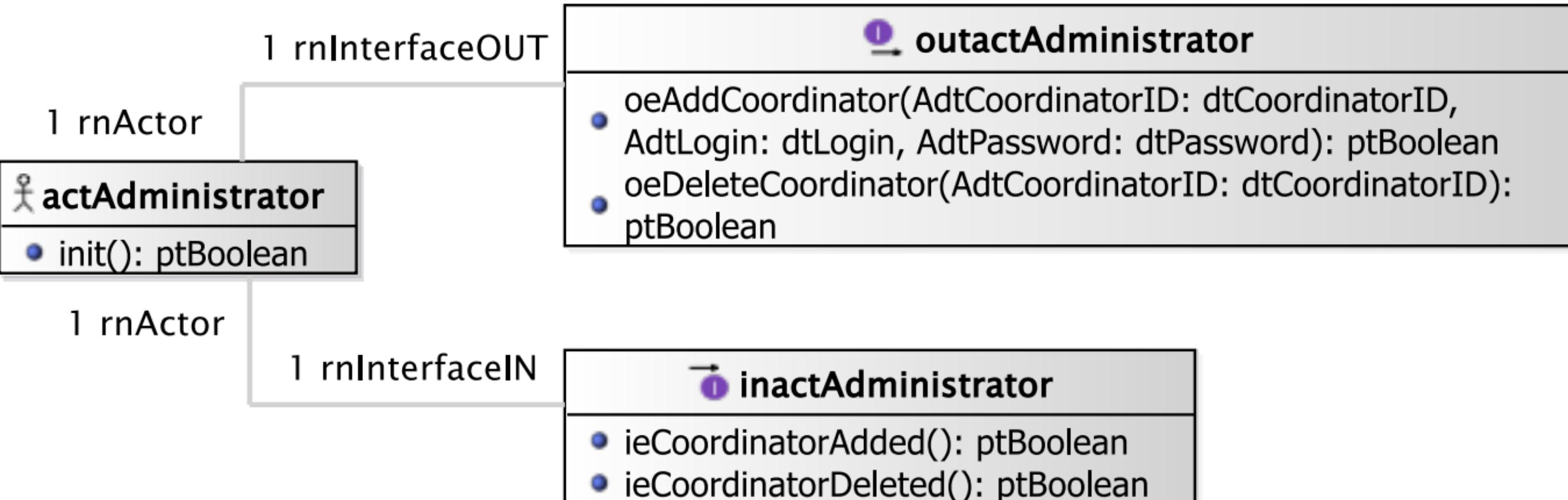
assctHumanactComCompany

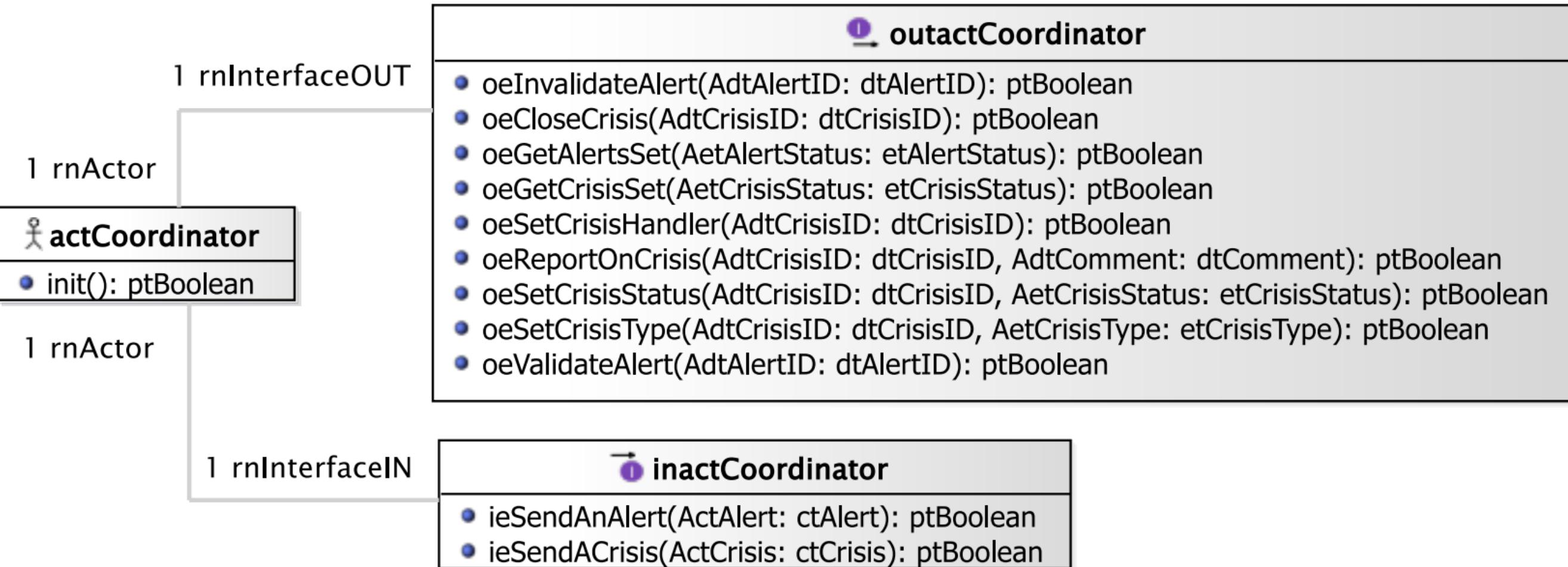
assctAuthenticatedactAuthenticated

assctCoordinatoractCoordinator









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



ctState

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

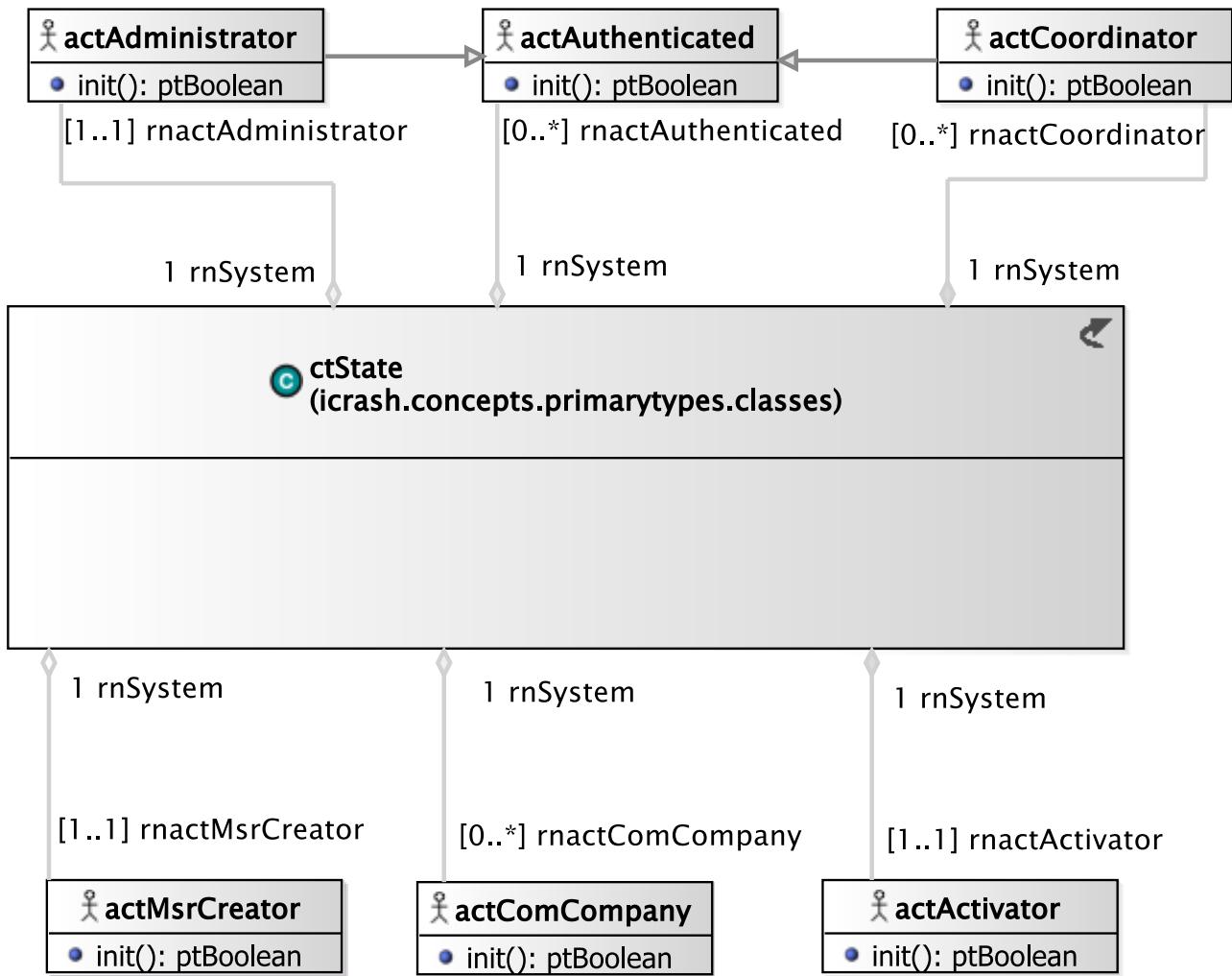
init(AnextValueForAlertID: dtInteger, AnextValueForCrisisID:
dtInteger, Aclock: dtDateAndTime, AcrisisReminderPeriod:
• dtSecond, AmaxCrisisReminderPeriod: dtSecond,
AvpLastReminder: dtDateAndTime, AvpStarted: ptBoolean):
ptBoolean

 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

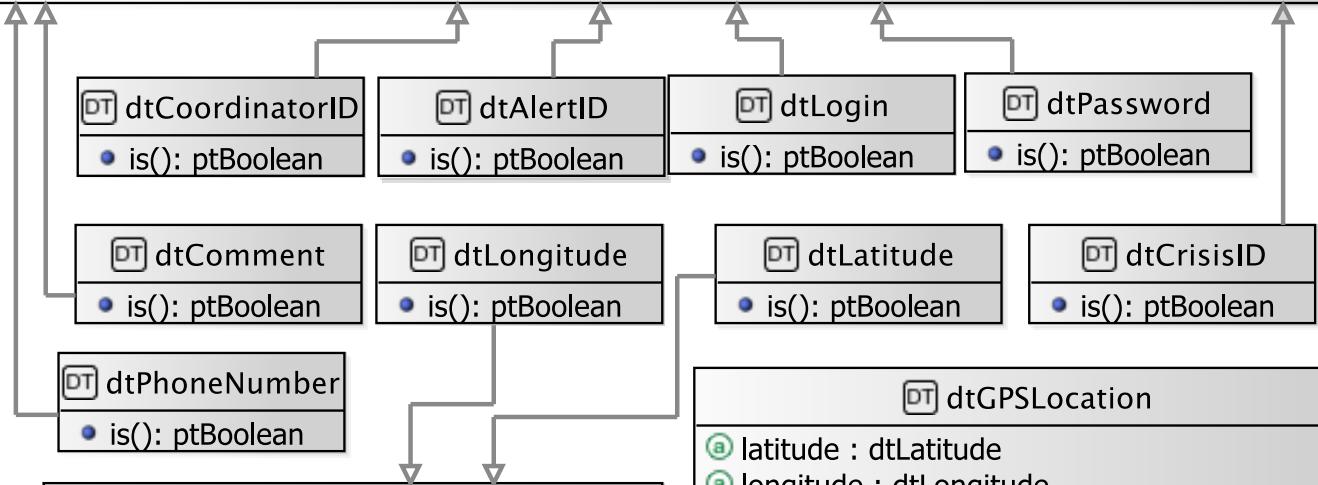
c ctCrisis

- 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



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

Ⓐ value : ptString



dtReal
(lu.uni.lassy.messir.libraries.math)

Ⓐ value : ptReal

etCrisisStatus

- Ⓐ pending
- Ⓐ handled
- Ⓐ solved
- Ⓐ closed
- is(): ptBoolean

etAlertStatus

- Ⓐ pending
- Ⓐ valid
- Ⓐ invalid
- is(): ptBoolean

etCrisisType

- Ⓐ small
- Ⓐ medium
- Ⓐ huge
- is(): ptBoolean

etHumanKind

- Ⓐ witness
- Ⓐ victim
- Ⓐ anonymous
- is(): ptBoolean



ctState

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

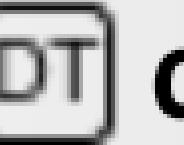
1 rnSystem

[0..*] rnctCrisis



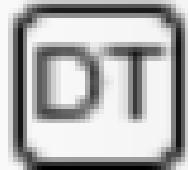
ctCrisis

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



dtGPSLocation

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



dtSMS



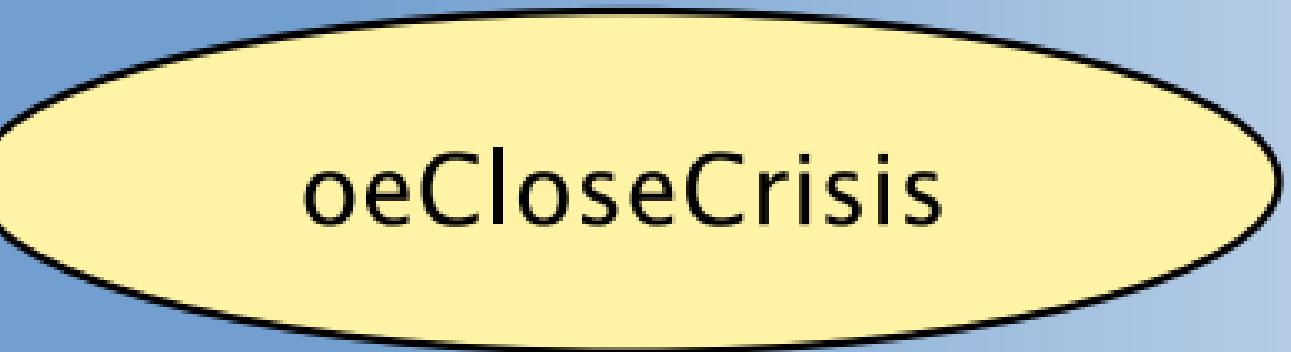
value : ptString



is(): ptBoolean

use case system subfunction

oeCloseCrisis(AdtCrisisID:dtCrisisID)



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actCoordinator



use case system subfunction
oeSetCrisisHandler
(AdtCrisisID:dtCrisisID)

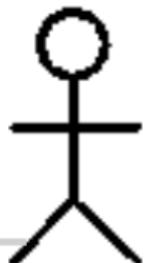


actCoordinator

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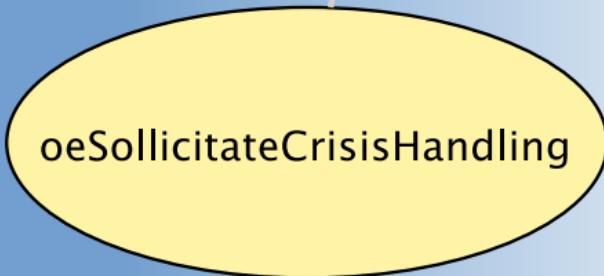
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|<<passive>>
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actComCompany

use case system subfunction
oeSollicitateCrisisHandling()

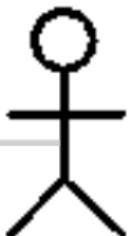


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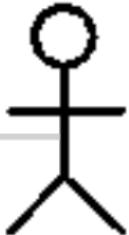
actActivator

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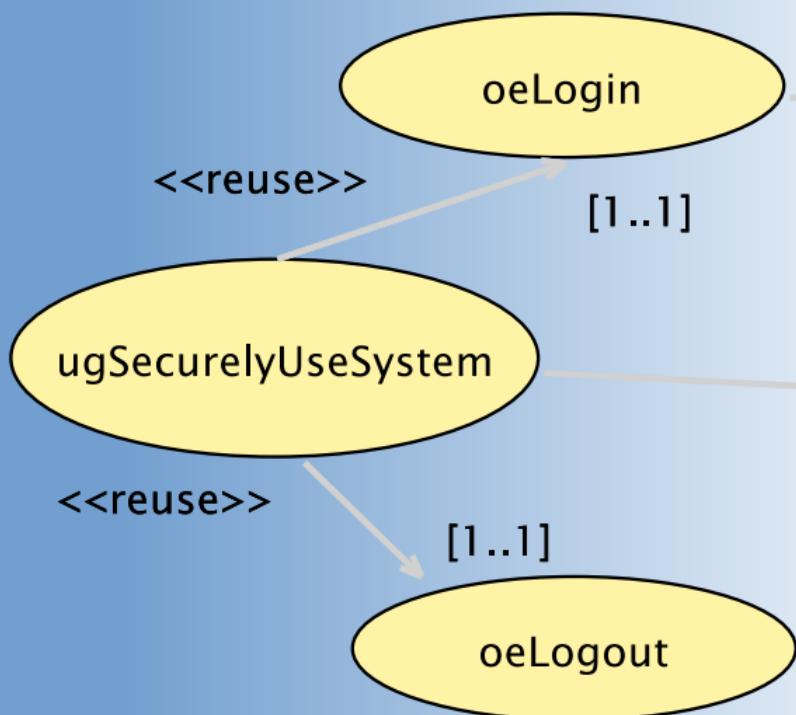
actCoordinator

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actAdministrator

use case system usergoal
ugSecurelyUseSystem()



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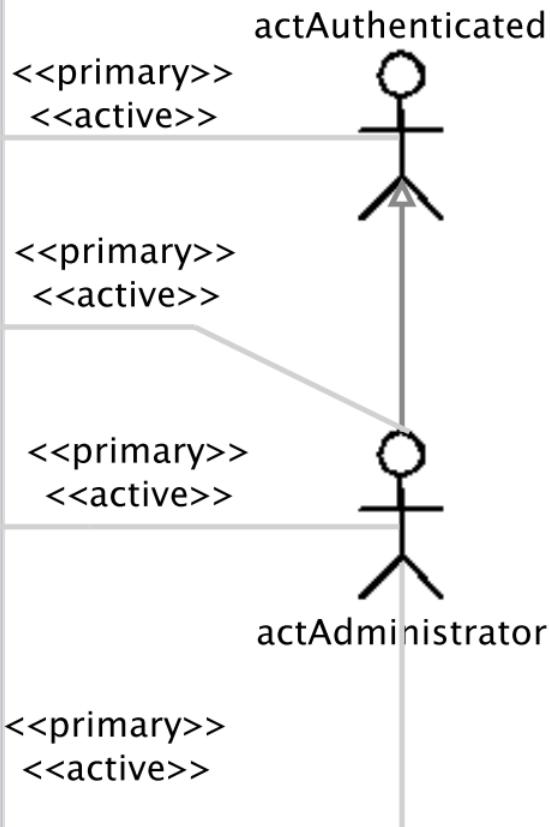
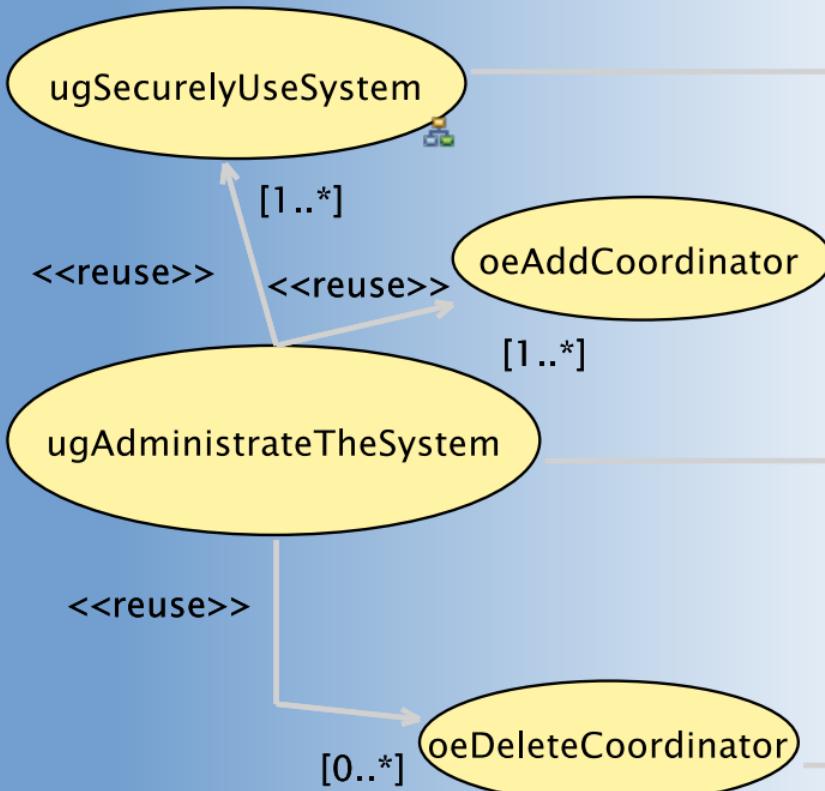
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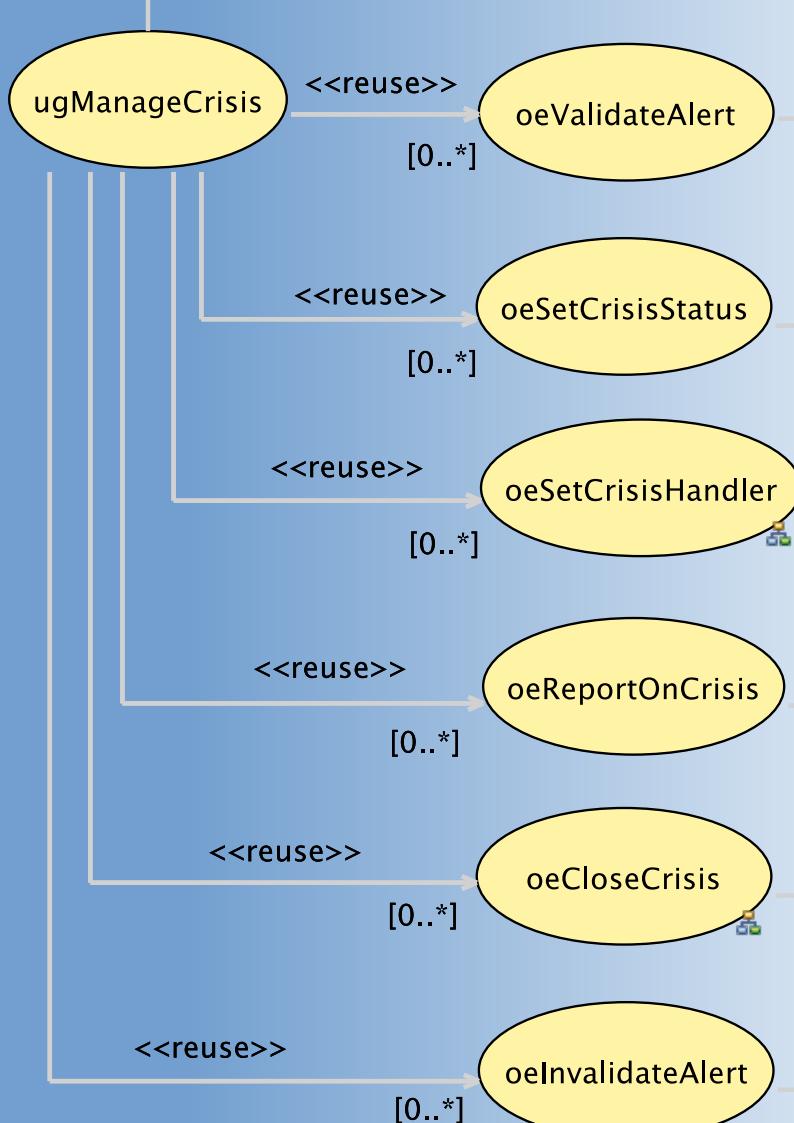
actAuthenticated

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use case system usergoal
ugAdministateTheSystem()

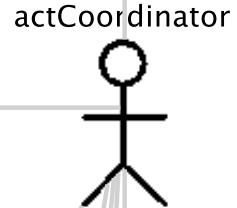


use case system usergoal ugManageCrisis()



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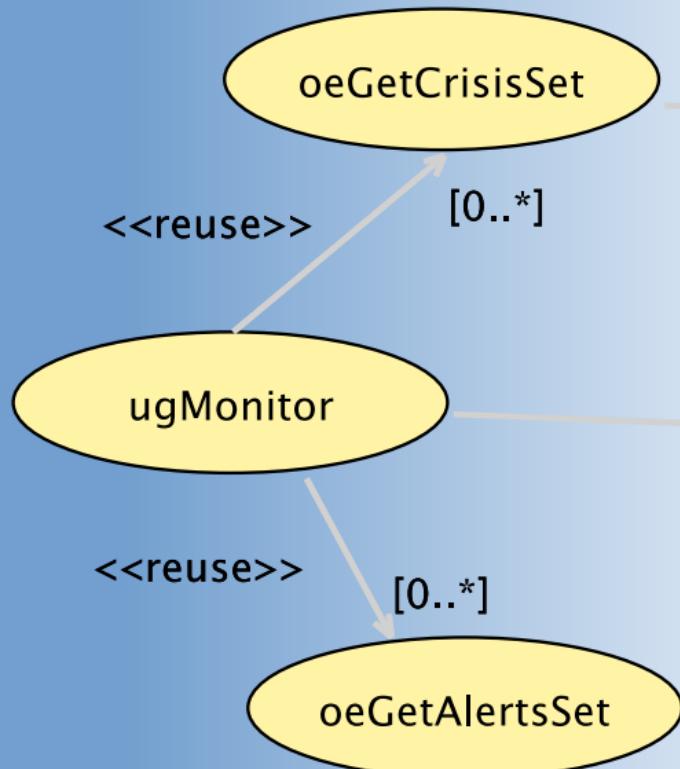
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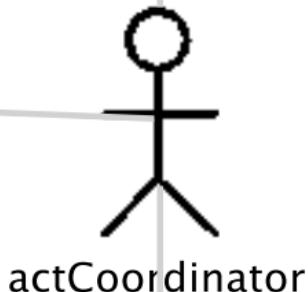
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use case system usergoal ugMonitor()



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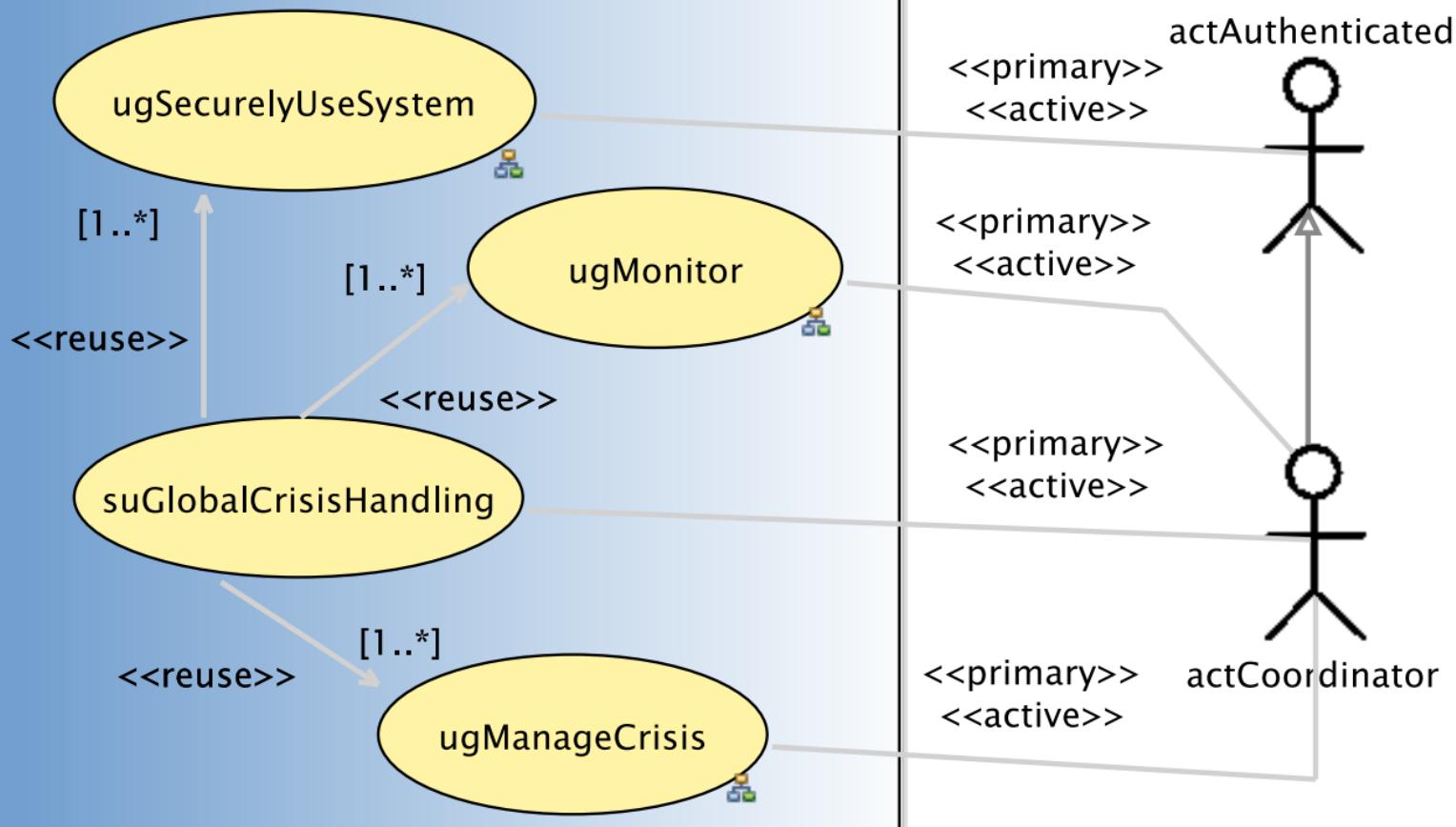
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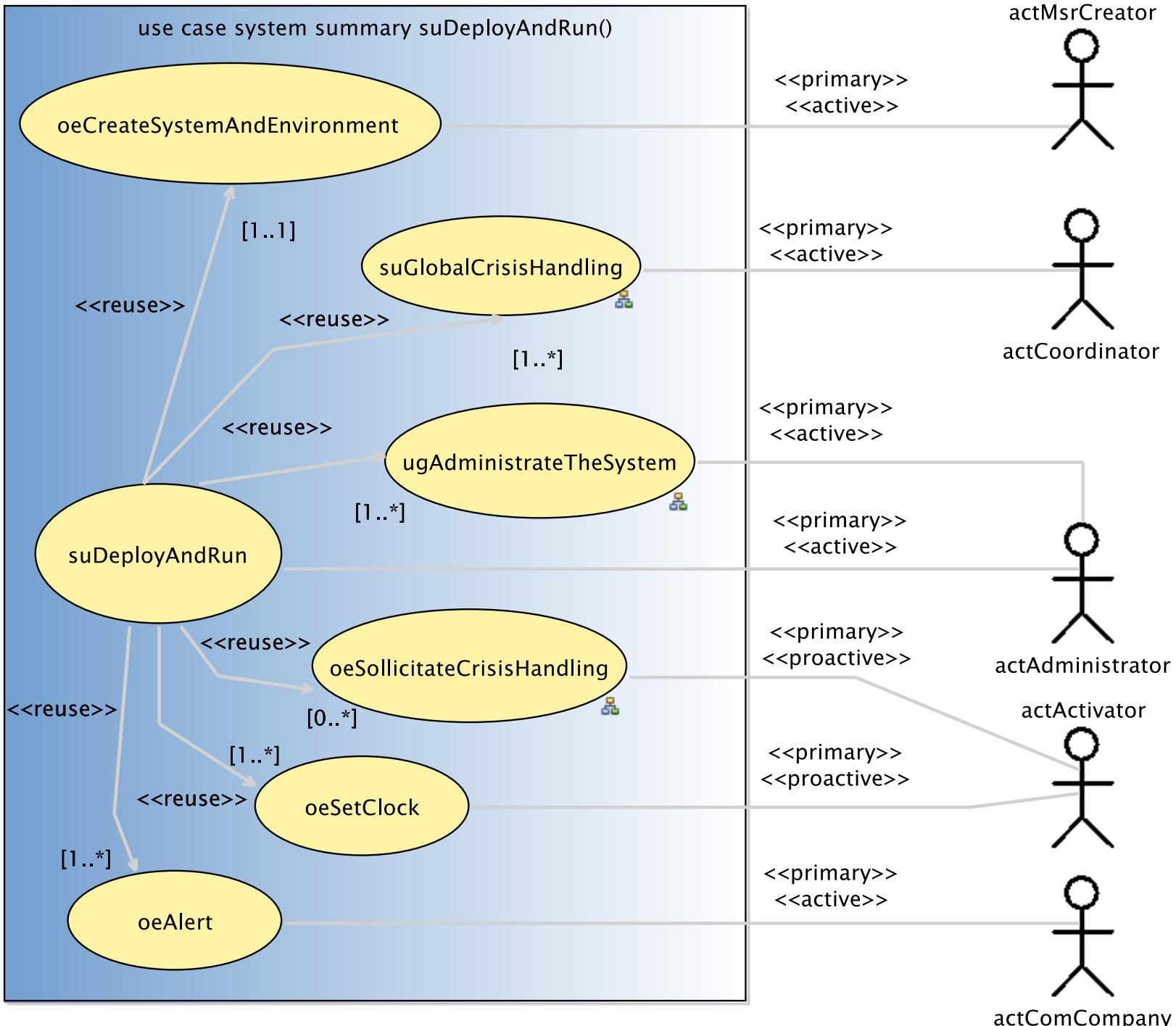


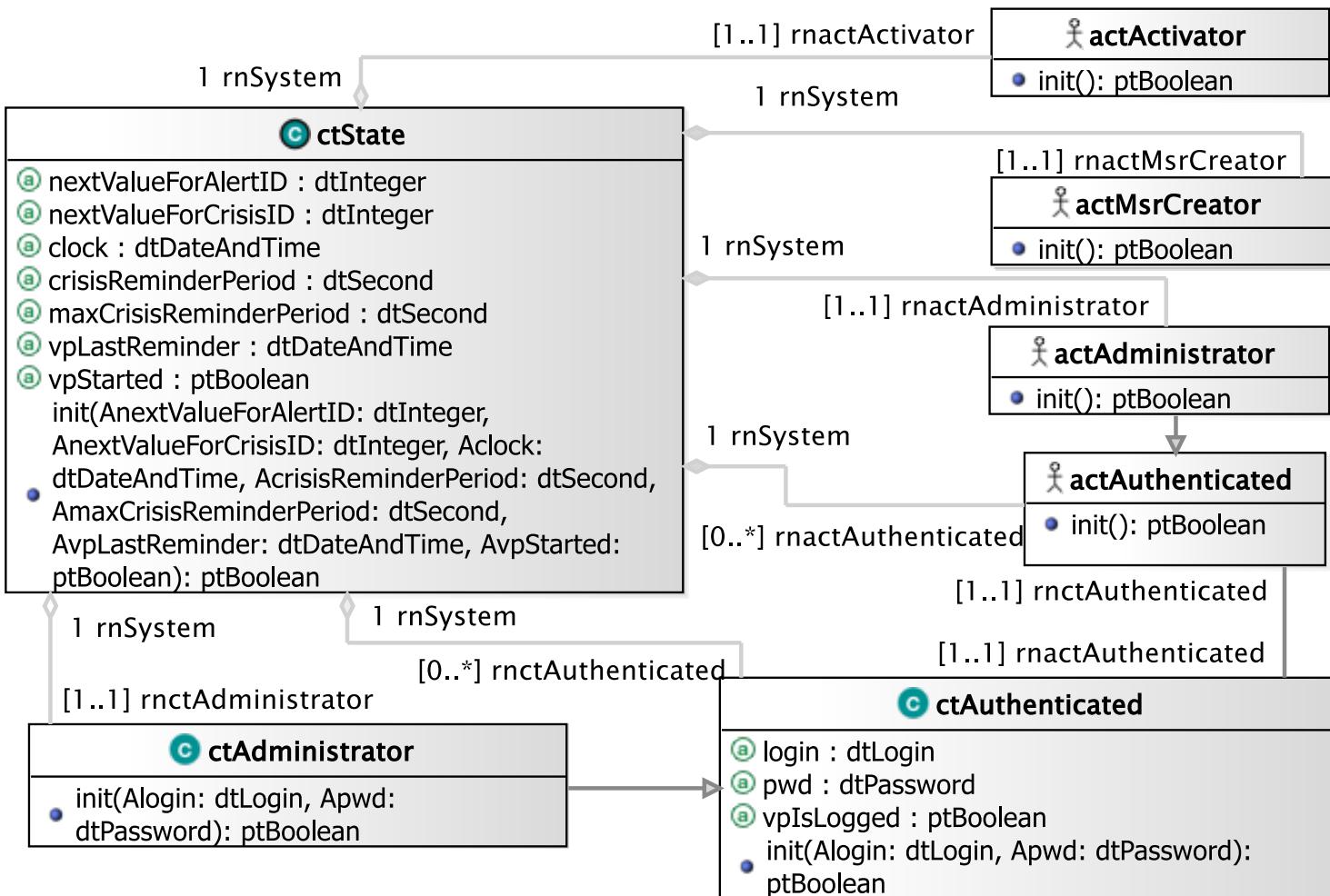
actCoordinator

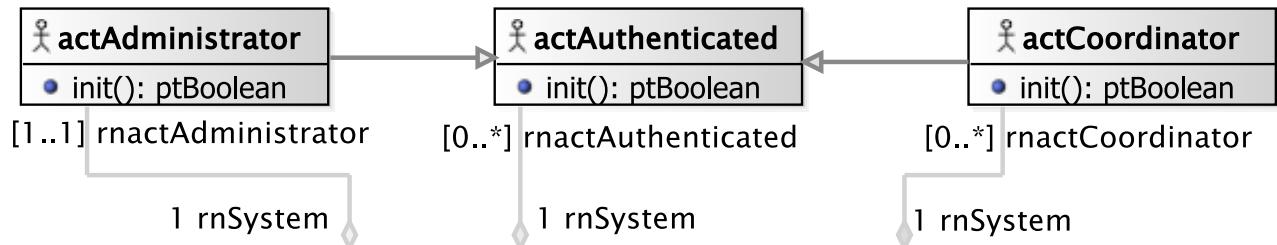
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use case system summary suGlobalCrisisHandling()









ctState

(icrash.concepts.primarytypes.classes)

- Ⓐ nextValueForAlertID : dtInteger
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- Ⓐ 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

