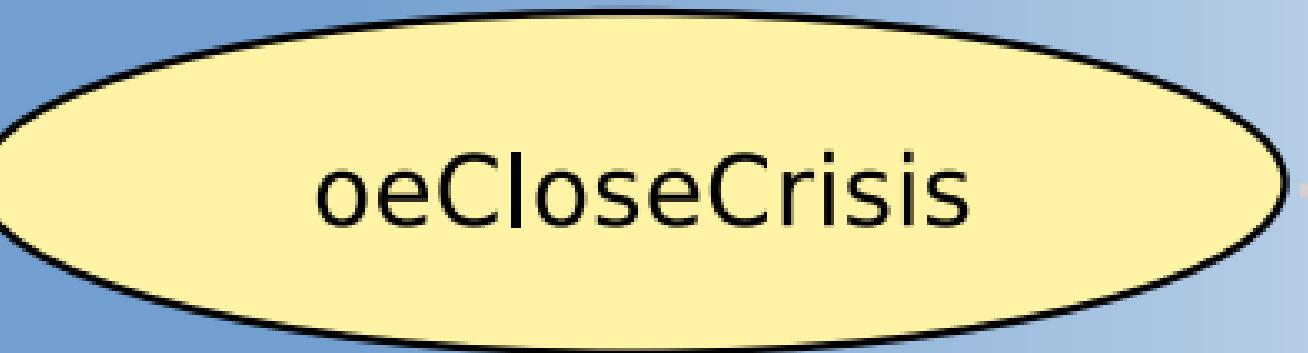


use case system subfunction

oeCloseCrisis(AdtCrisisID:dtCrisisID



<<primary>>
<<active>>

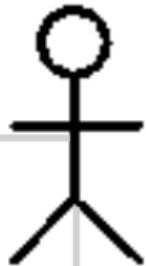
actCoordinator



use case system subfunction
oeSetCrisisHandler
(AdtCrisisID:dtCrisisID)



actCoordinator
<<primary>>
<<active>>



<<secondary>>
<<passive>>



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

actComCompany

use case system subfunction
oeSollicitateCrisisHandling()

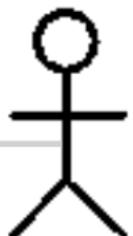


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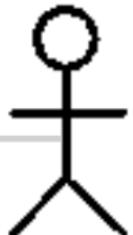
actActivator

<<secondary>>
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<<multiple>>



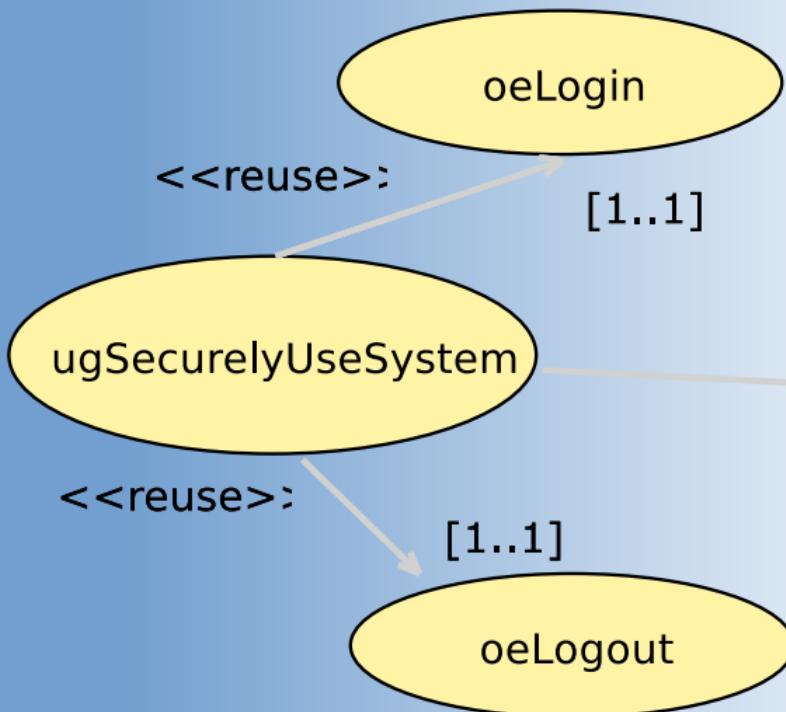
actCoordinator

<<secondary>>
<<passive>>



actAdministrator

use case system usergoa
ugSecurelyUseSystem()



<<primary>>
<<active>>

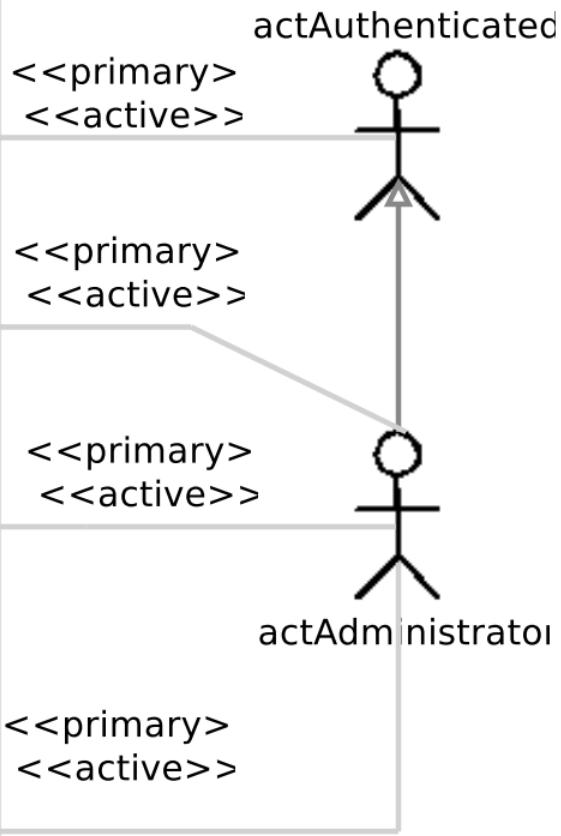
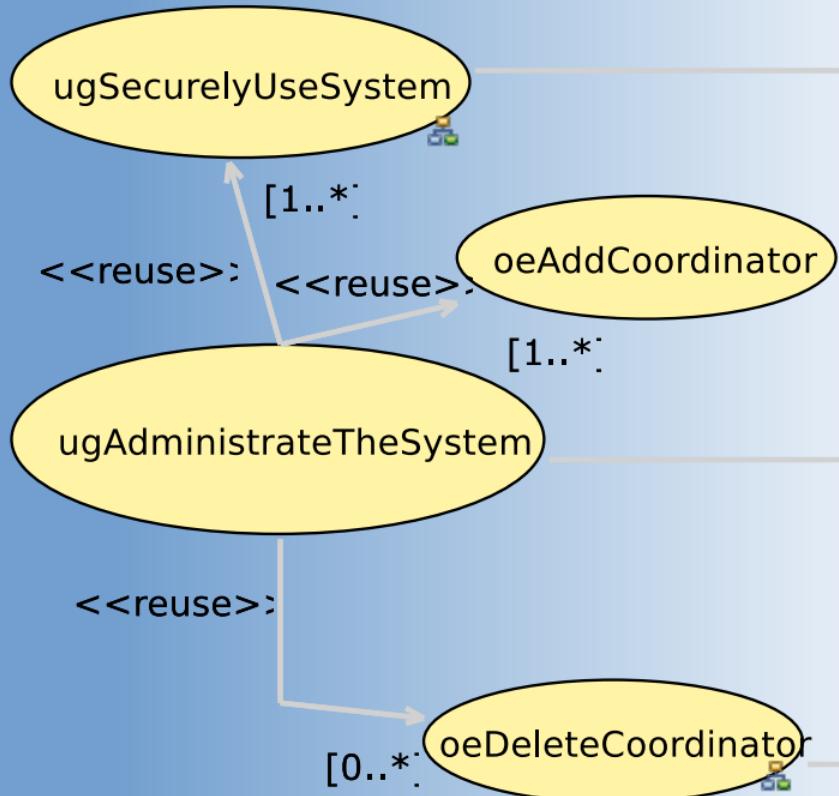
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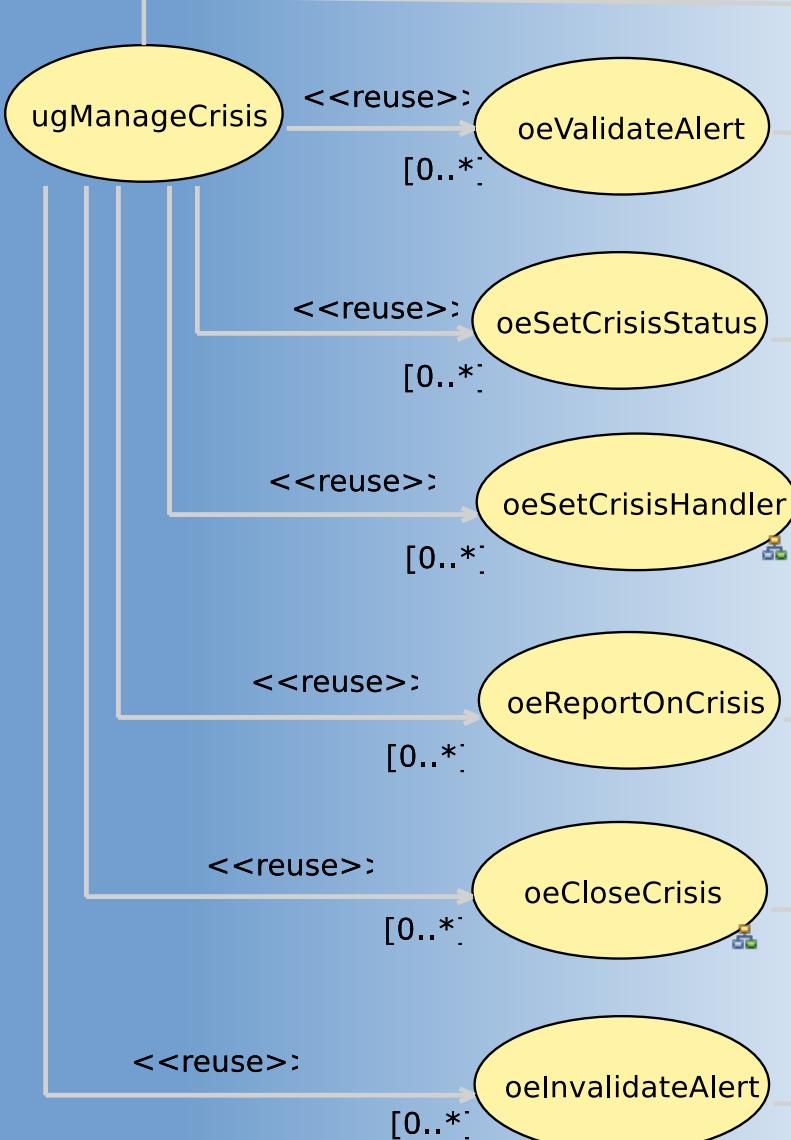


actAuthenticated

use case system usergoal
ugAdministateTheSystem

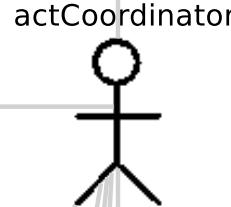


use case system usergoal ugManageCrisis



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<<primary>>
<<active>>



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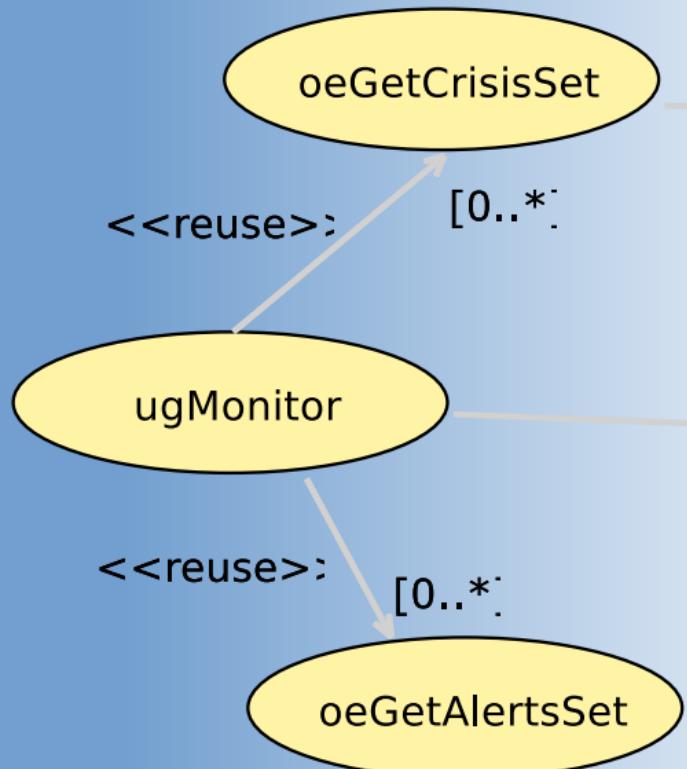
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use case system usergoal ugMonitor



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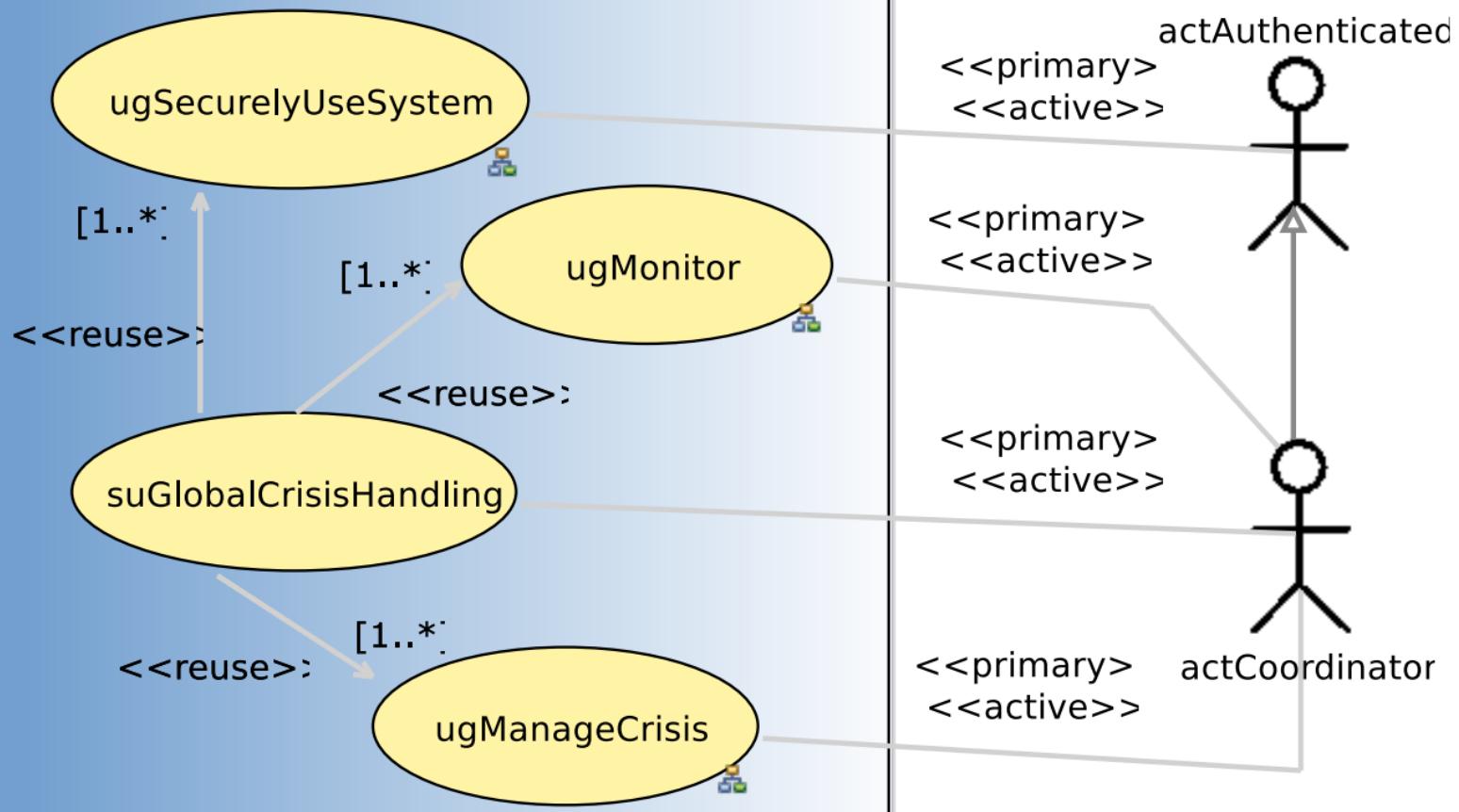
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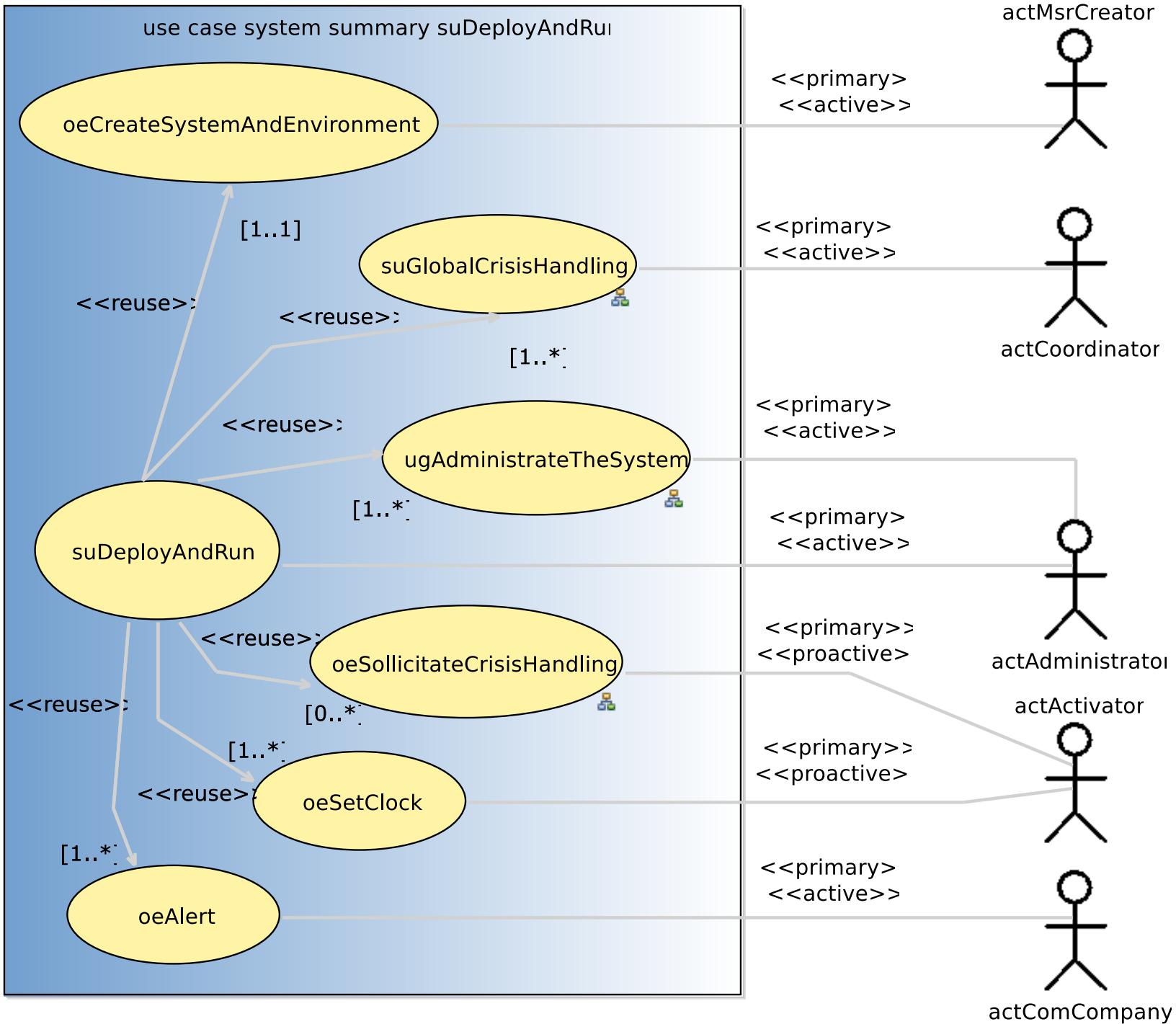
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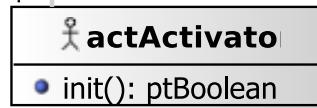
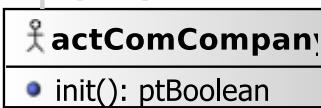
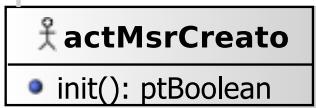
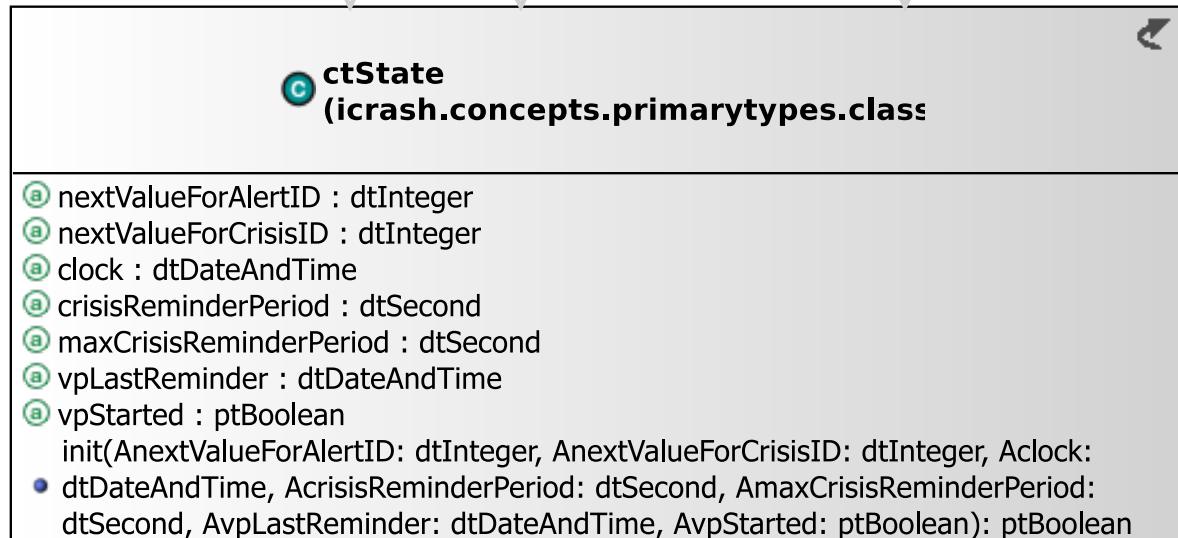
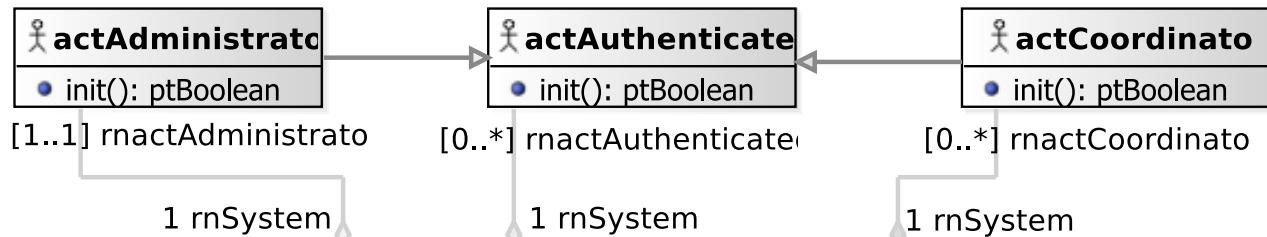


actCoordinator

use case system summary suGlobalCrisisHandling

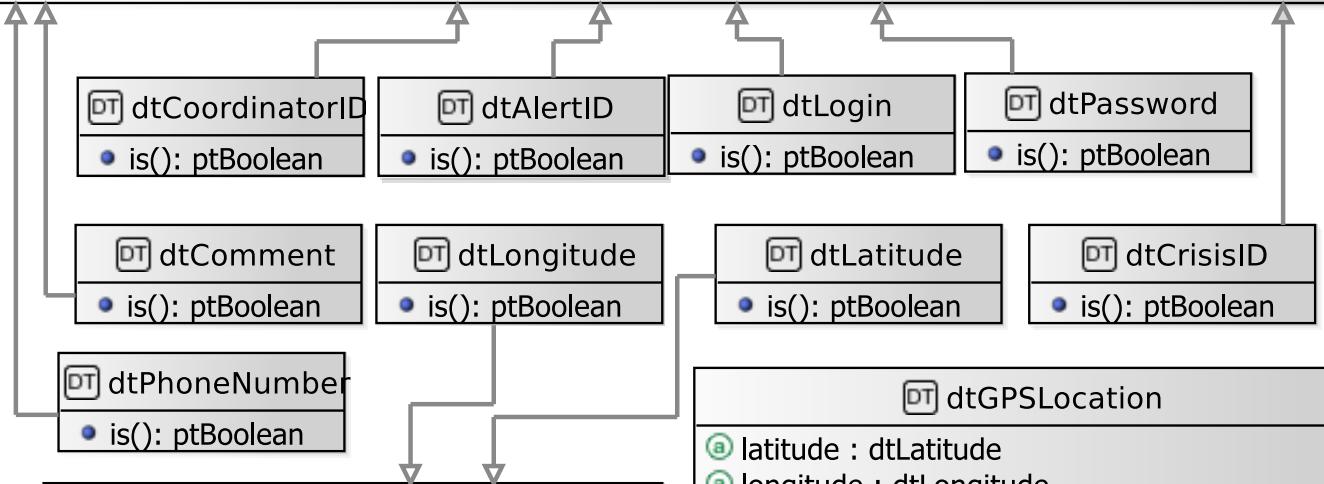






dtString
(lu.uni.lassy.messir.libraries.string)

Ⓐ value : ptString



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

Ⓐ value : ptReal

etCrisisStatus

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

etAlertStatus

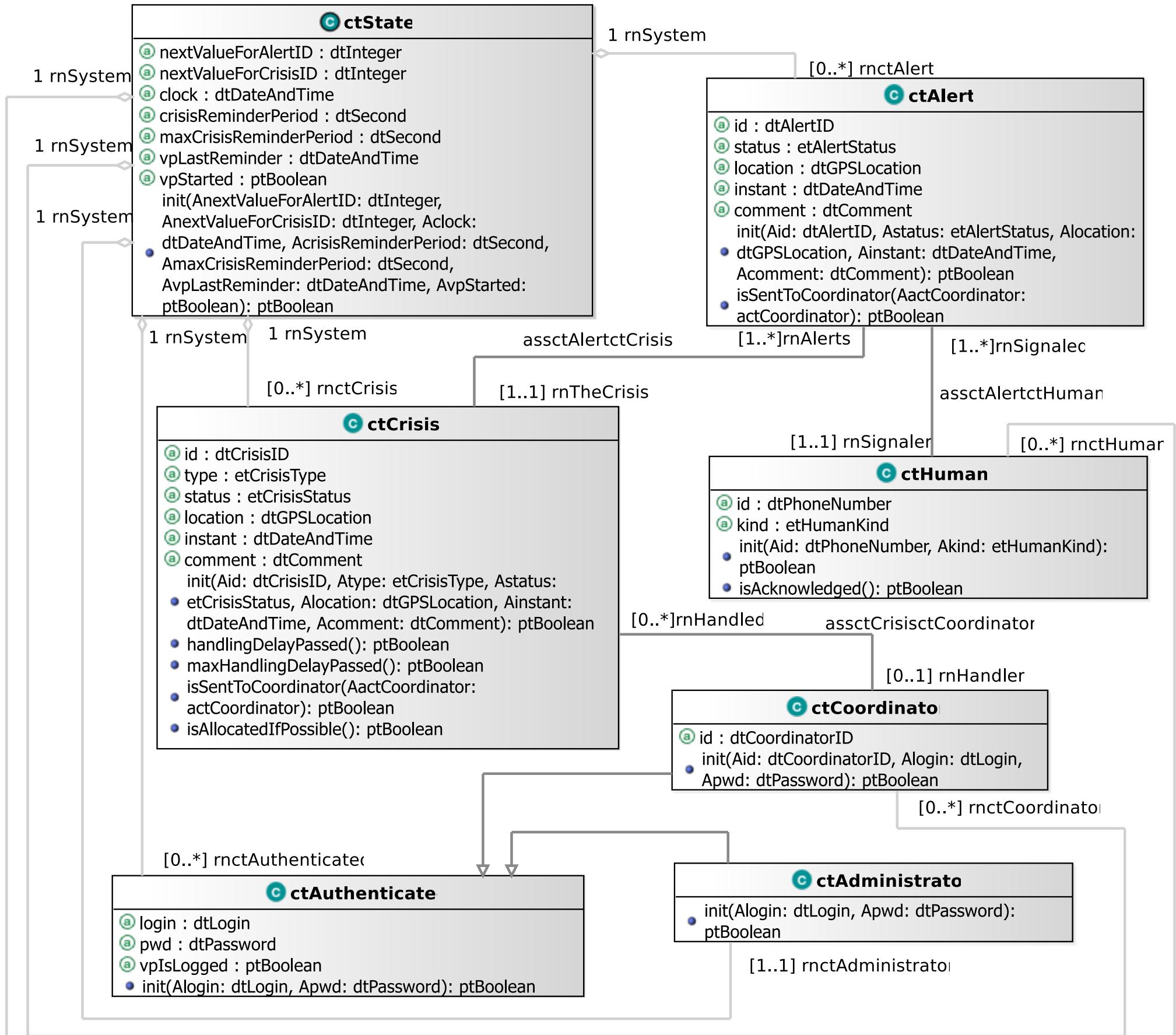
- Ⓐ pending
- Ⓐ valid
- Ⓐ invalid
- is(): ptBoolean

etCrisisType

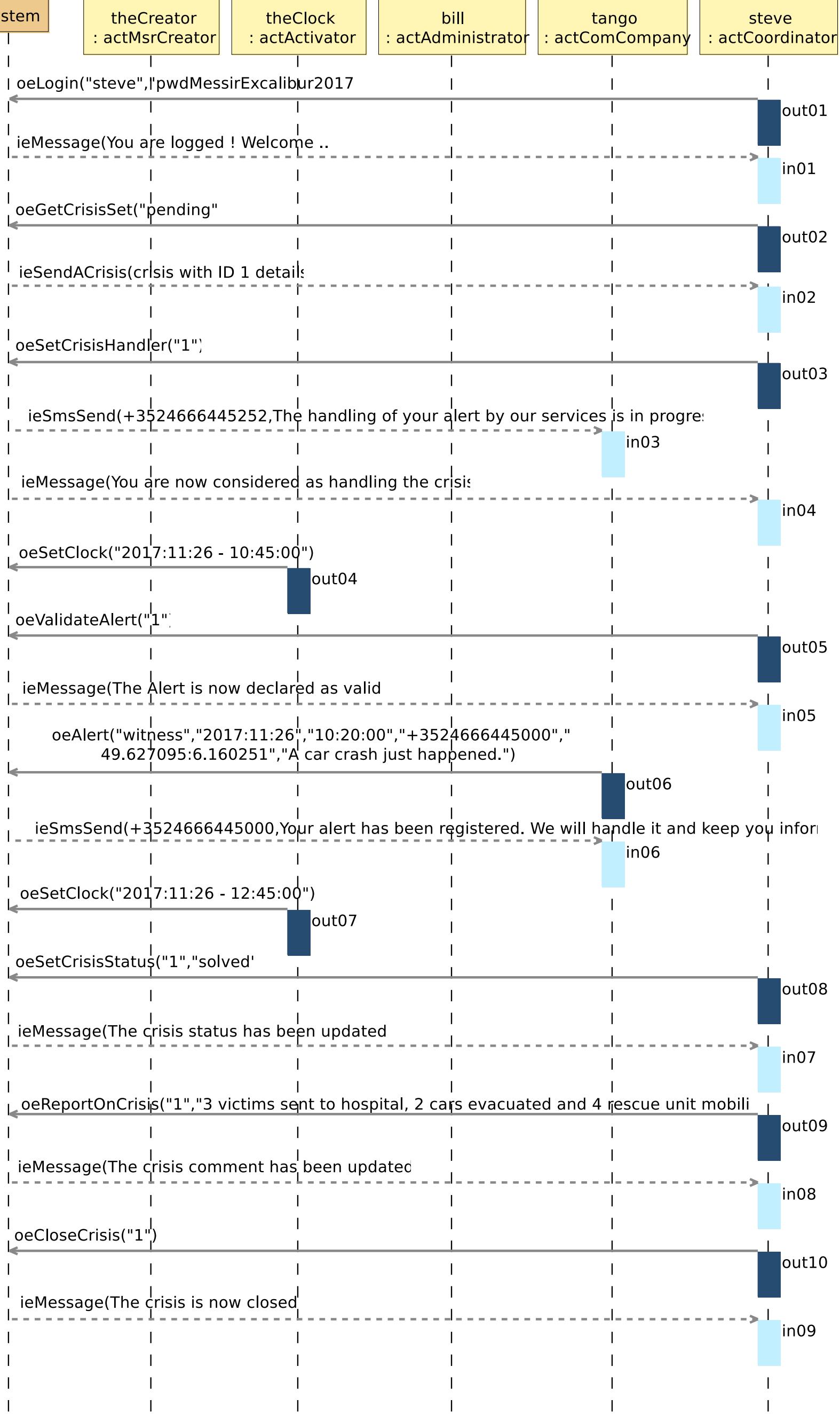
- Ⓐ small
- Ⓐ medium
- Ⓐ huge
- is(): ptBoolean

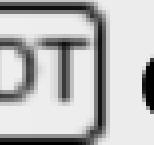
etHumanKind

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



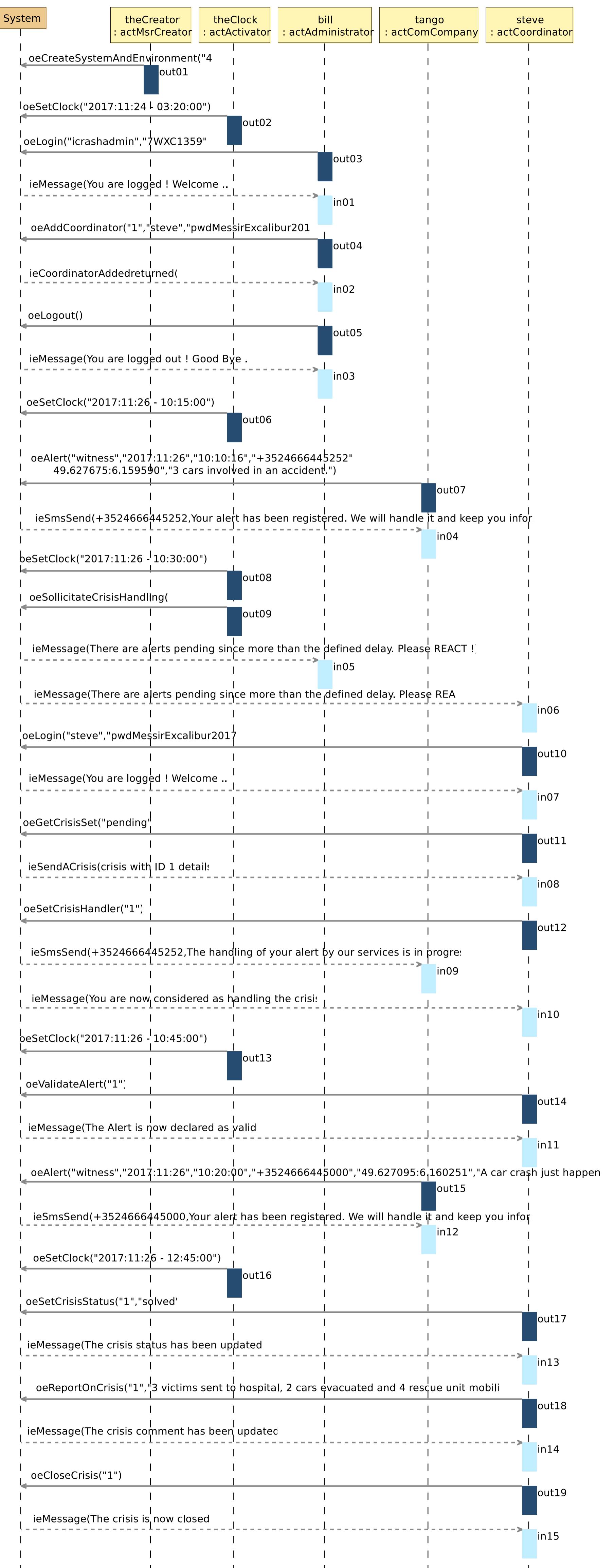


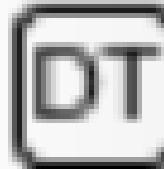




dtGPSLocation

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





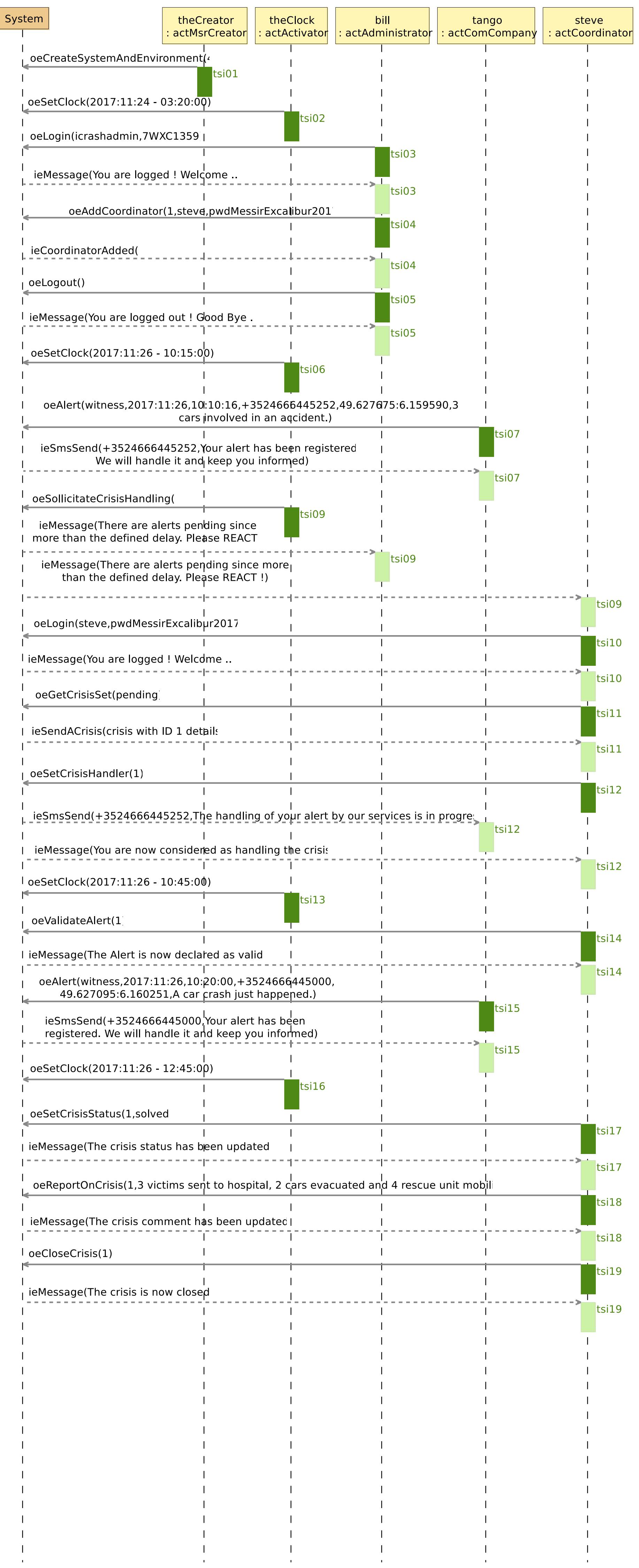
dtSMS



value : ptString



is(): ptBoolean



c ctHuman

④ id : dtPhoneNumber
④ kind : etHumanKind
• init(Aid: dtPhoneNumber, Akind:
etHumanKind): ptBoolean
• isAcknowledged(): ptBoolean

[0..*] rnctHuman

actComCompany (icrash.environment)

• init(): ptBoolean

[1..1] rnactComCompany

c ctAuthenticate

④ login : dtLogin
④ pwd : dtPassword
④ vpIsLogged : ptBoolean
• init(Alogin: dtLogin, Apwd: dtPassword):
ptBoolean

[1..1] rnctAuthenticated

actAuthenticated (icrash.environment)

• init(): ptBoolean

[1..1] rnactAuthenticated

c ctCoordinator

④ id : dtCoordinatorID
• init(Aid: dtCoordinatorID, Alogin: dtLogin,
Apwd: dtPassword): ptBoolean

[1..1] rnctCoordinator

actCoordinator (icrash.environment)

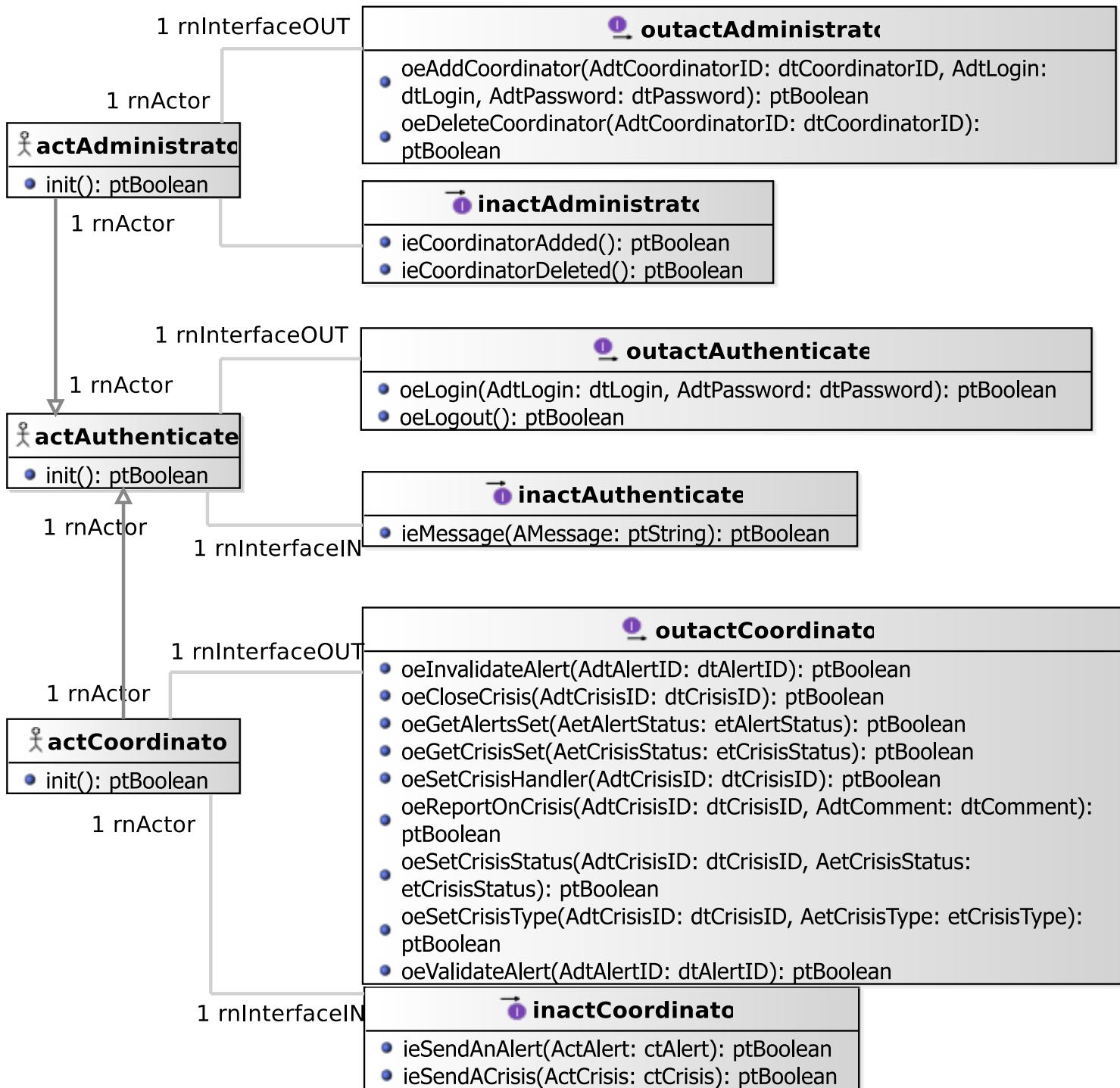
• init(): ptBoolean

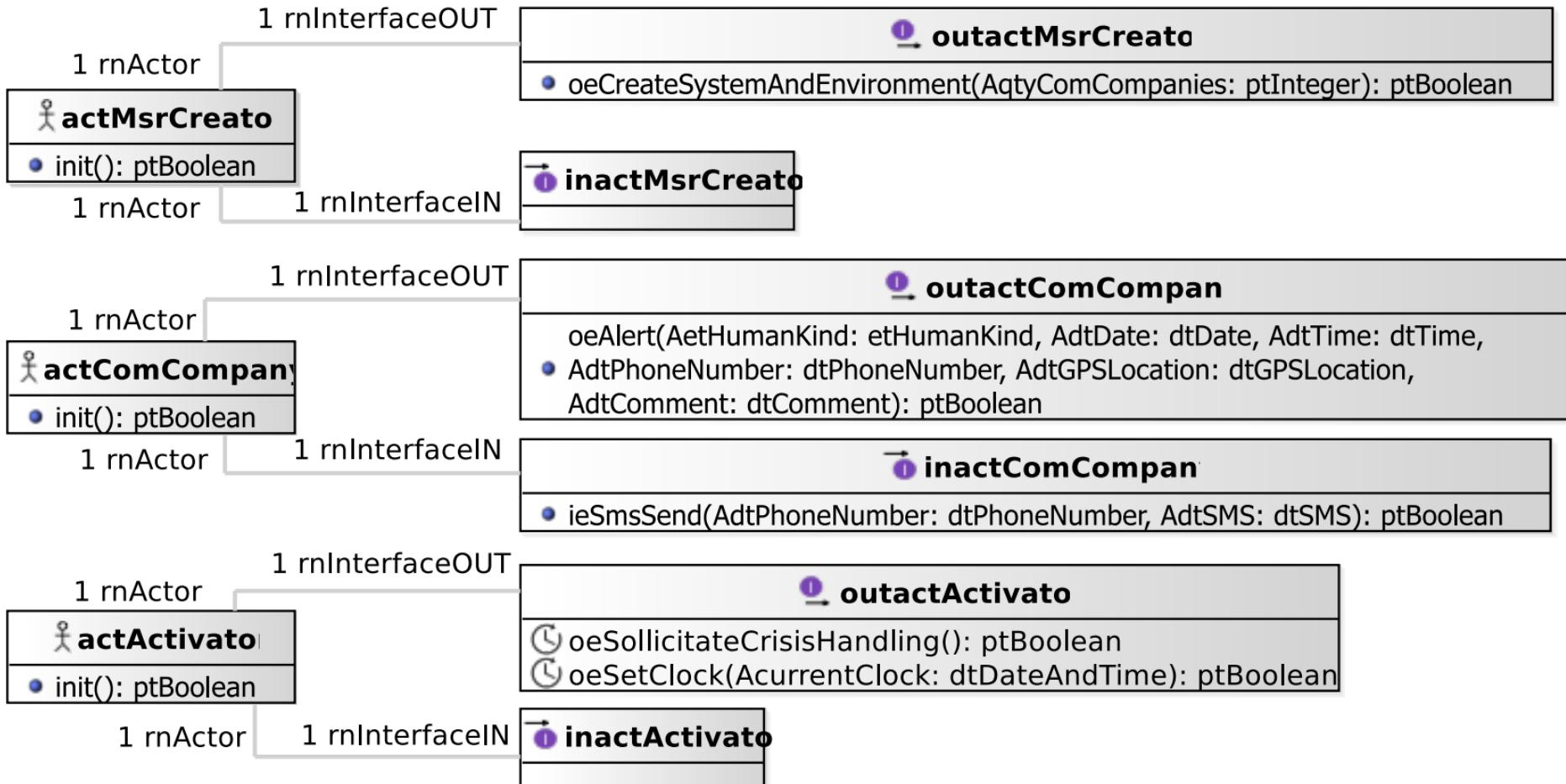
[1..1] rnactCoordinator

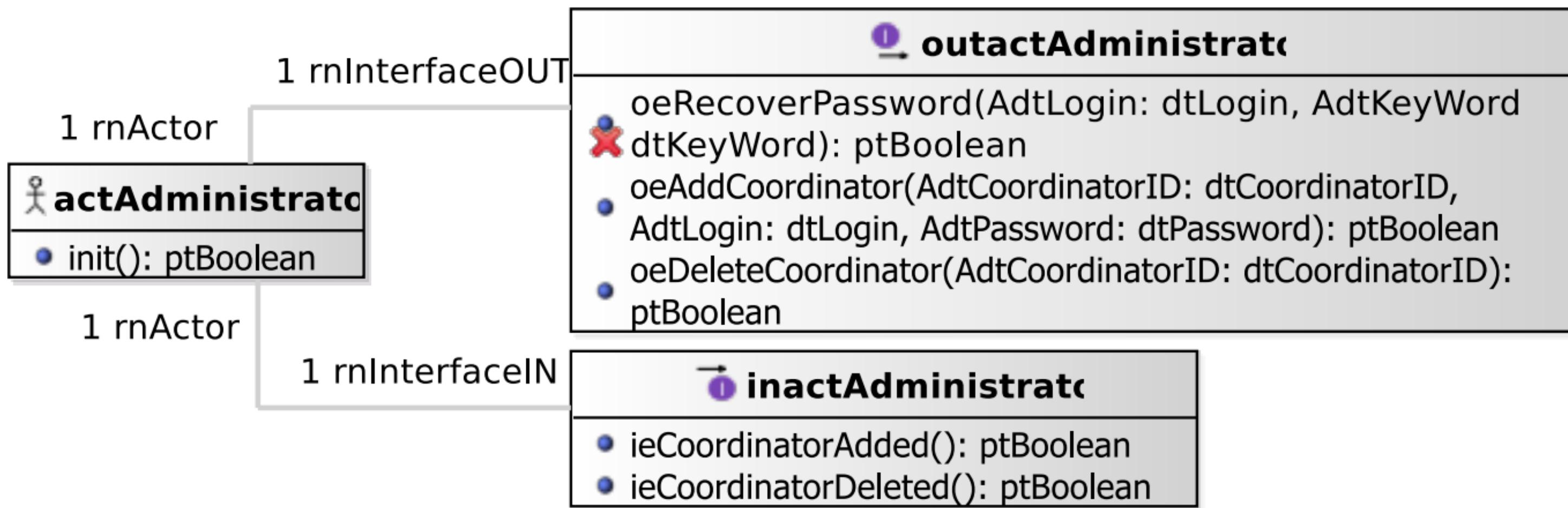
assctHumanactComCompany

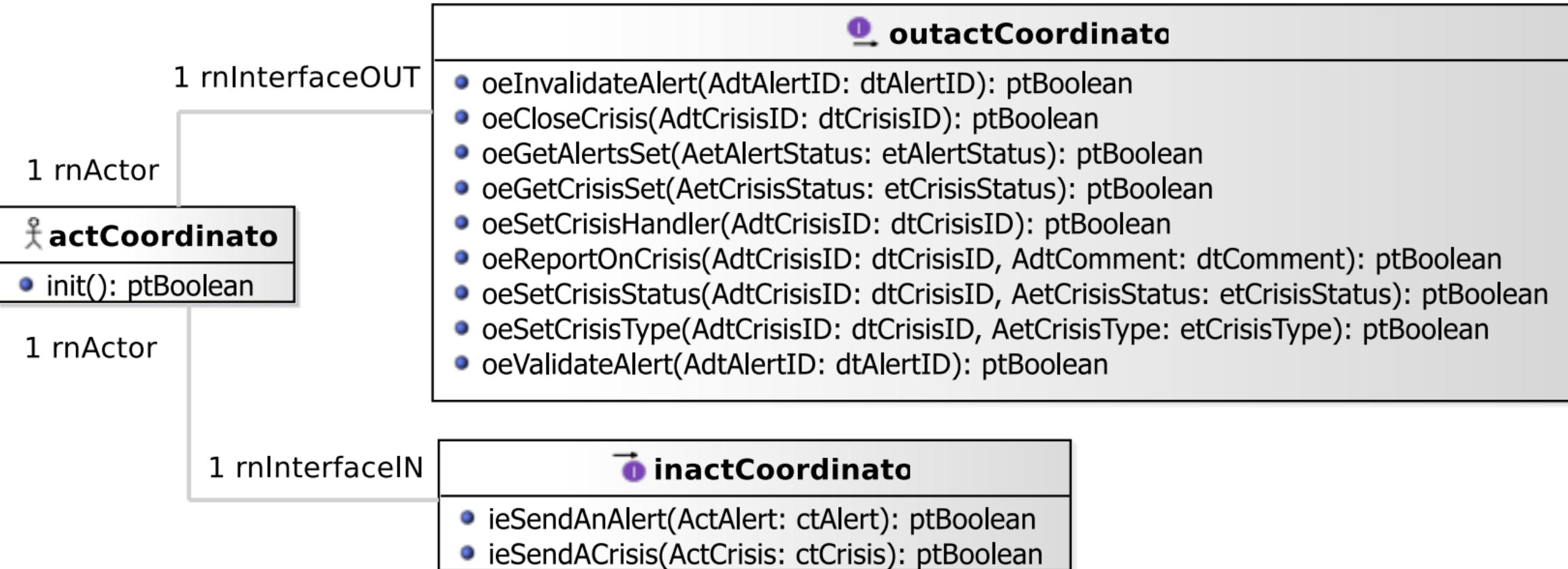
assctAuthenticatedactAuthenticated

assctCoordinatoractCoordinator









1 rnInterfaceOUT

1 rnActor

actAuthenticate

- init(): ptBoolean

1 rnActor

1 rnInterfaceIN

outactAuthenticate

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

inactAuthenticate

- ieMessage(AMessage: ptString): ptBoolean



CtState

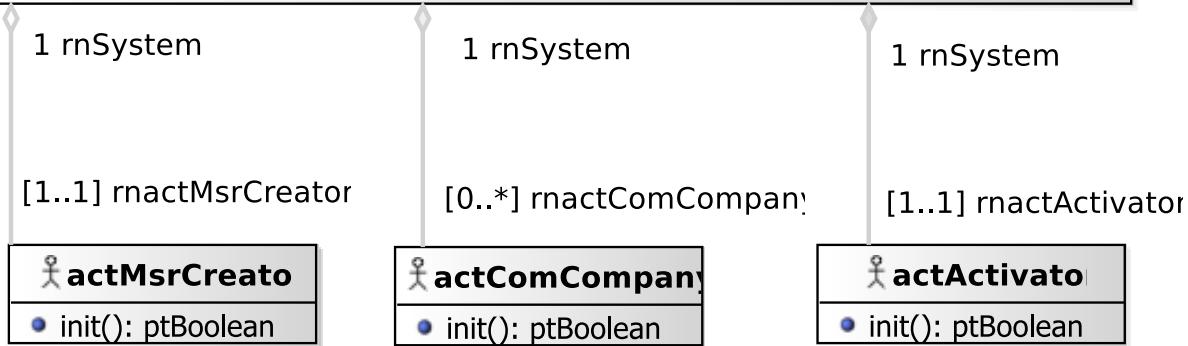
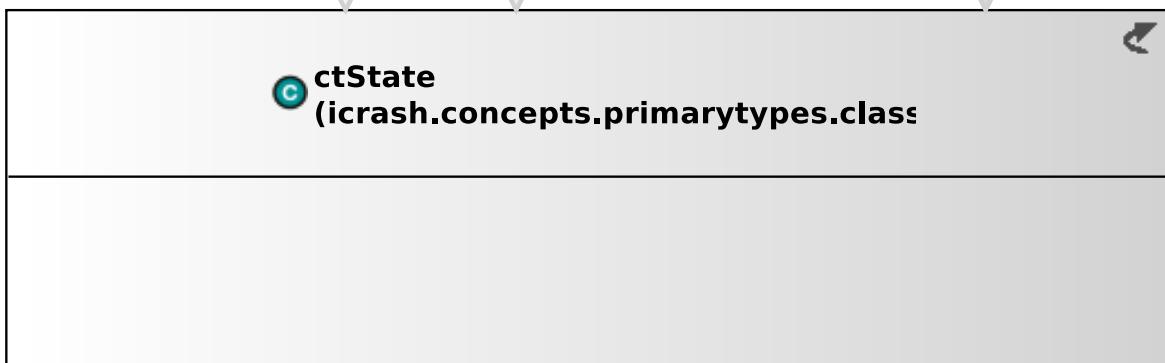
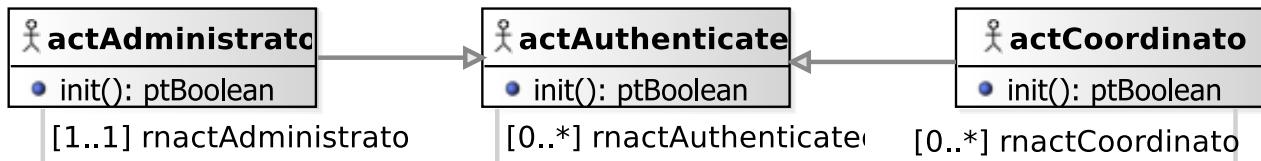
- ⓐ nextValueForAlertID : dtInteger
- ⓐ nextValueForCrisisID : dtInteger
- ⓐ clock : dtDateAndTime
- ⓐ crisisReminderPeriod : dtSecond
- ⓐ maxCrisisReminderPeriod : dtSecond
- ⓐ vpLastReminder : dtDateAndTime
- ⓐ vpStarted : ptBoolean

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

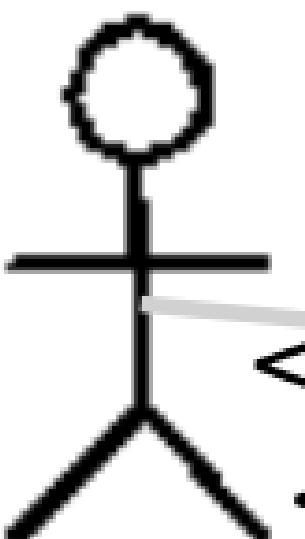
ctAlert

- Ⓐ 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

- Ⓐ 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



actAdministrator



<<primary>>
<<active>>





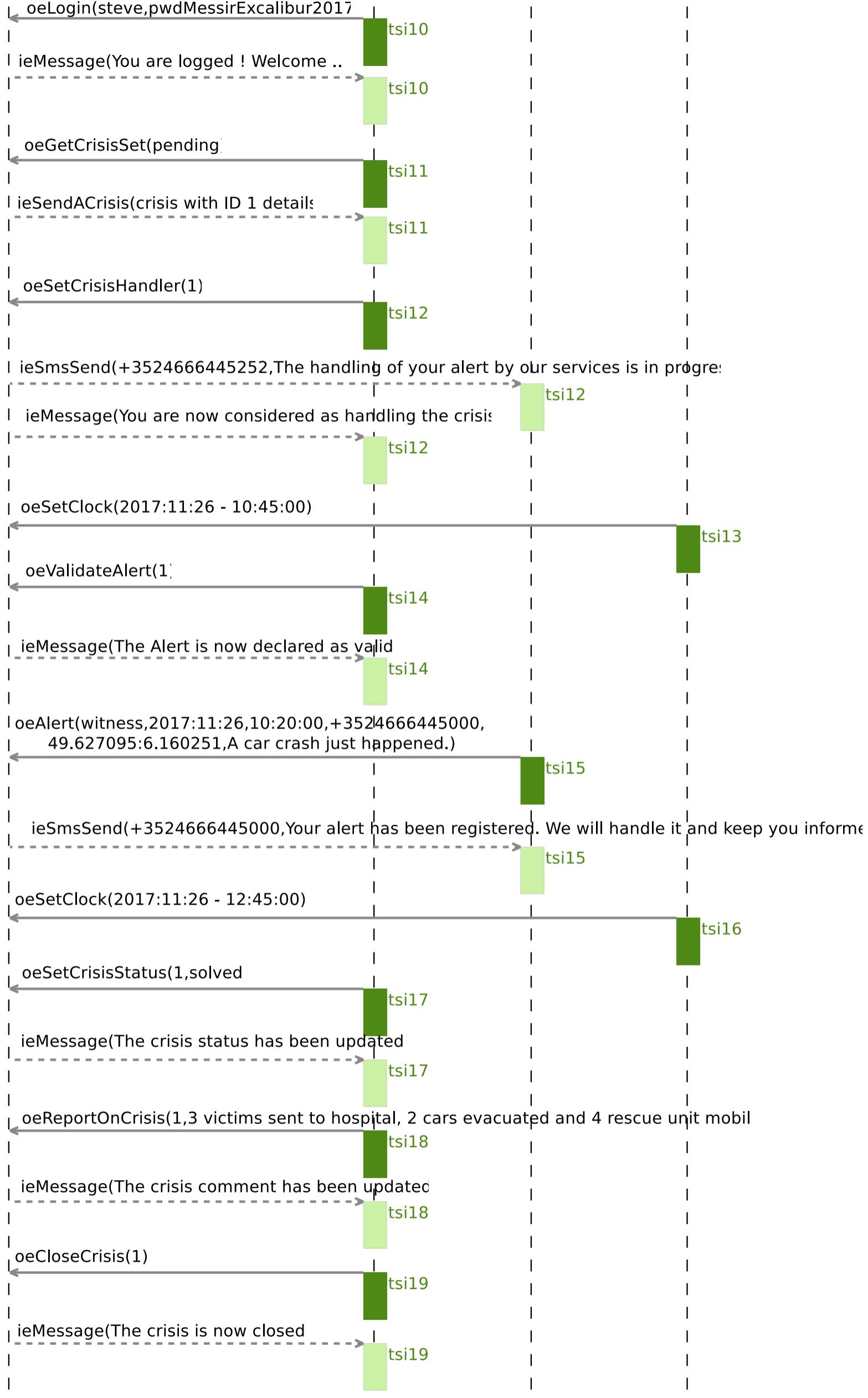
ptBoolean

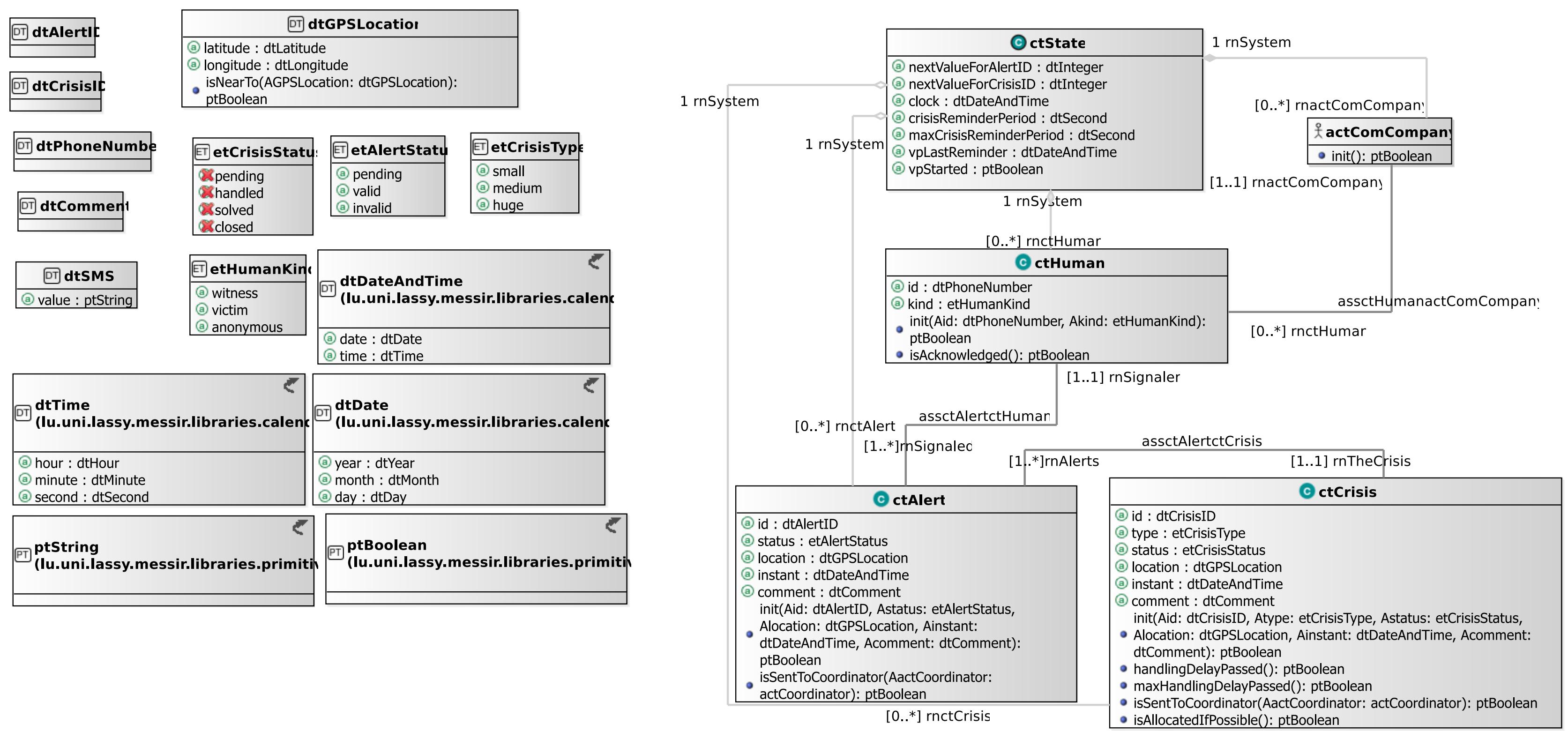
(lu.uni.lassy.messir.libraries.primitive)

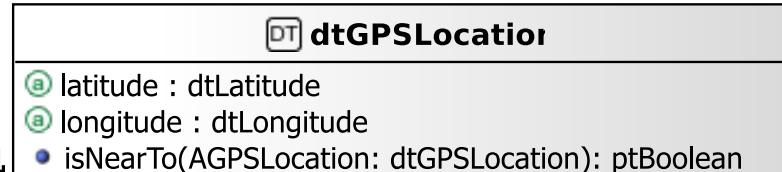
- `is(): ptBoolean`
- `close(): ptBoolean`
- `msrnot(): ptBoolean`
- `msror(AptBoolean: ptBoolean): ptBoolean`
- `msrxor(AptBoolean: ptBoolean): ptBoolean`
- `msrand(AptBoolean: ptBoolean): ptBoolean`
- `eq(AptBoolean: ptBoolean): ptBoolean`
- `neq(AptBoolean: ptBoolean): ptBoolean`



System

steve
: actCoordinatortango
: actComCompanytheClock
: actActivator





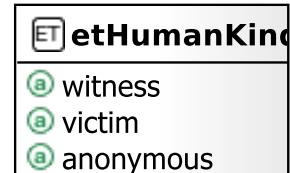
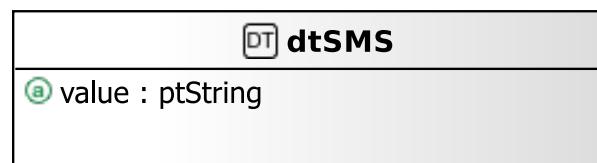
- pending
- handled
- solved
- closed

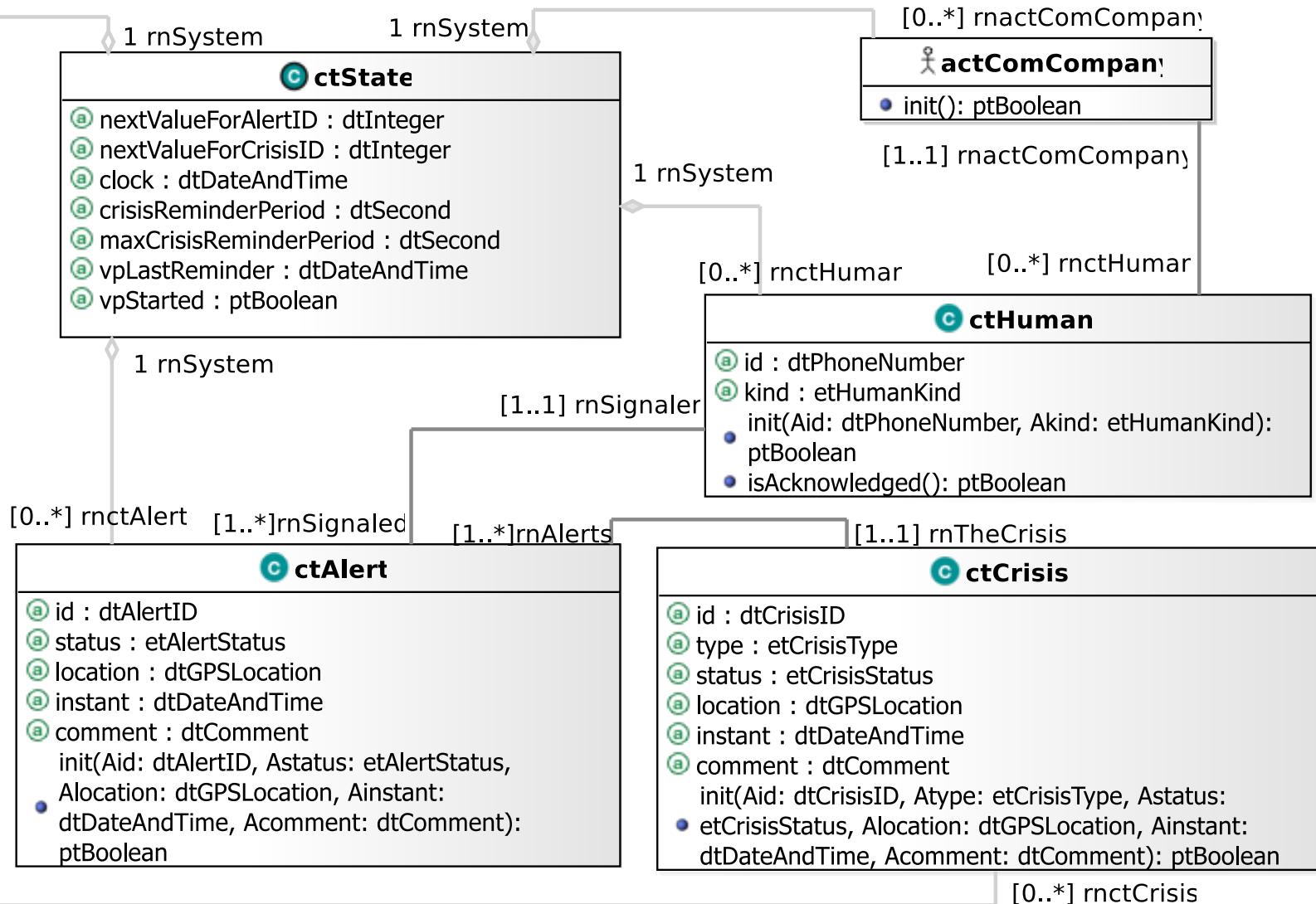


- pending
- valid
- invalid



- small
- medium
- huge







ctState

- ④ nextValueForAlertID : dtInteger
- ④ nextValueForCrisisID : dtInteger
- ④ clock : dtDateAndTime
- ④ crisisReminderPeriod : dtSecond
- ④ maxCrisisReminderPeriod : dtSecond
- ④ vpLastReminder : dtDateAndTime
- ④ vpStarted : ptBoolean

1 rnSystem

[0..*] rnctCrisis



ctCrisis

- ④ id : dtCrisisID
- ④ type : etCrisisType
- ④ status : etCrisisStatus
- ④ location : dtGPSLocation
- ④ instant : dtDateAndTime
- ④ comment : dtComment
 - handlingDelayPassed(): ptBoolean
 - maxHandlingDelayPassed(): ptBoolean
 - isAllocatedIfPossible(): ptBoolean

