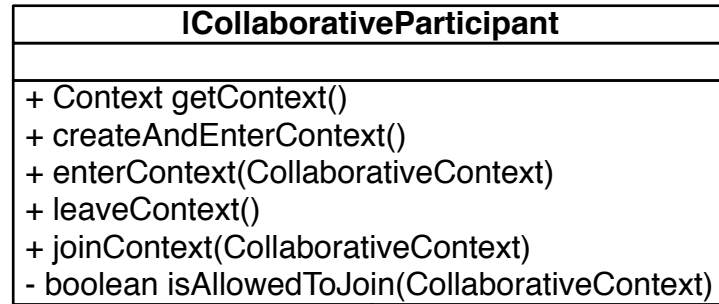
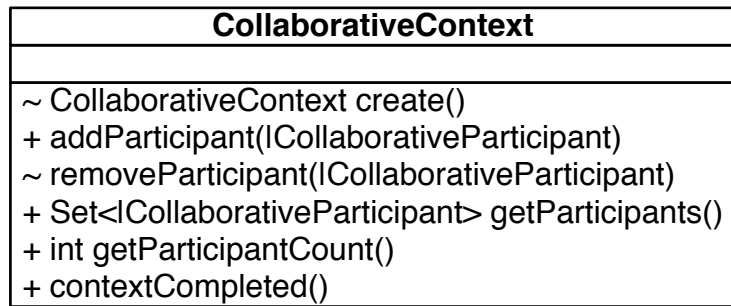


aspect Collaborative depends on Context, Shared

structural view



ICollaborativeParticipant

0..\* participants

1

Context instantiation

**IParticipant** → **ICollaborativeParticipant**

Shared instantiation

**IShared** → **CollaborativeContext**

**Im<AccessKind>** →

**CollaborativeContext.\***

Context binding

**CollaborativeContext** → **Context**

**getContext** → **getContext**

**createAndEnterContext** →

**createAndEnterContext**

**enterContext** → **enterContext**

message view joinContext affected by Context.enterContext

Advice

Pointcut

**caller: Caller**

**target:**

**ICollaborativeParticipant**

joinContext(c)

**caller: Caller**

joinContext(c)

**target:**

**ICollaborativeParticipant**

allowed :=  
isAllowedToJoin(c)

Default Instantiation

**caller** → \*, **Caller** → \*, **target** → \*

opt [allowed]

enterContext(c)

message view isAllowedToJoin affected by Context.getContext

Advice

Pointcut

**caller: Caller**

**target:**

**ICollaborativeParticipant**

result := isAllowedToJoin(c)

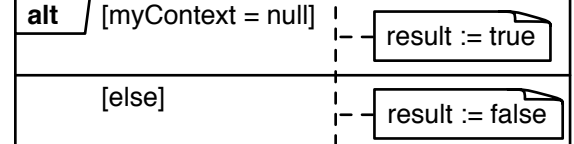
**caller: Caller**

result := isAllowedToJoin(c)

**target:**

**ICollaborativeParticipant**

myContext :=  
getContext()



Default Instantiation

**caller** → \*, **Caller** → \*, **target** → \*

message view leaveContext affected by Context.getContext, Context.setContext

Advice

Pointcut

**caller: Caller**

**target:**

**ICollaborativeParticipant**

leaveContext()

**caller: Caller**

leaveContext()

**target:**

**ICollaborativeParticipant**

myContext :=  
getContext()

removeParticipant(target)

setContext(null)

Default  
Instantiation

**caller** → \*

**Caller** → \*

**target** → \*

**myContext:**  
**CollaborativeContext**