Client

Server

<<Java Interface>>
SMILEngineRequest
csc440.nuf.shared

- createSMILMessage():Request<SMILMessageProxy>
- readSMILMessage(Long):Request<SMILMessageProxy>
- updateSMILMessage(SMILMessageProxy):Request<SMILMessageProxy>
- deleteSMILMessage(SMILMessageProxy):Request<Void>
- querySMILMessages():Request<List<SMILMessageProxy>>

<<Java Class>>
SMILEngineService
csc440.nuf.server

- SMILEngineService()
- createSMILMessage():SMILMessage
- readSMILMessage(Long):SMILMessage
- updateSMILMessage(SMILMessage):SMILMessage
- deleteSMILMessage(SMILMessage):void
- querySMILMessages():List<SMILMessage>

<<Java Class>>
DataStore
csc440.nuf.server

- DataStore()
- delete(Long):void
- find(Long):SMILMessage
- findAll():List<SMILMessage>
- update(SMILMessage):SMILMessage
- getUserId():String
- getUserEmail():String
- sendC2DMUpdate(String):void

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<<Java Class>>
AsyncFetchSMILMessage
csc440.nuf

- activity: SMILActivity
- newTask: boolean
- message: SMILMessageProxy
- AsyncFetchSMILMessage(SMILActivity)
- doInBackground(Long[]):SMILMessageProxy
- onPostExecute(SMILMessageProxy):void

<<Java Interface>>
SMILMessageRequestFactory
csc440.nuf.shared

- SMILEngineRequest():SMILEngineRequest

<<Java Class>>
SMILEngineServiceLocator
csc440.nuf.server

- SMILEngineServiceLocator()
- getInstance(Class<?>):Object

*The relationships between the SMILEngineRequest and the SMILEngineLocator, as well as the SMILMessageProxy and SMILMessageLocator may not be represented correctly. The Locators are in essence linking the pseudo client interfaces with their "parent" classes in the cloud.

<<Java Interface>>
SMILMessageProxy
csc440.nuf.shared

- getSenderEmail():String
- setSenderEmail(String):void
- getRecipientEmail():String
- setRecipientEmail(String):void
- getId():Long
- setId(Long):void
- getSender():String
- setSender(String):void
- getRecipient():String
- setRecipient(String):void

<<Java Class>>
SMILMessageLocator
csc440.nuf.server

- SMILMessageLocator()
- create(Class<? extends SMILMessage>):SMILMessage
- find(Class<? extends SMILMessage>,Long):SMILMessage
- getDomainType():Class<SMILMessage>
- getId(SMILMessage):Long
- getIdType():Class<Long>
- getVersion(SMILMessage):Long

<<Java Class>>
SMILMessage
csc440.nuf.server

- sender: String
- recipient: String
- senderEmail: String
- recipientEmail: String
- version: Long
- id: Long
- SMILMessage()
- getSenderEmail():String
- setSenderEmail(String):void
- getRecipientEmail():String
- setRecipientEmail(String):void
- getId():Long
- setId(Long):void
- getSender():String
- setSender(String):void
- getRecipient():String
- setRecipient(String):void
- getVersion():Long