IMessageController

sendMessage(String, String)	boolean
multicastMessage(String, String)	boolean
showMessage(String)	List<String>
save()	void
showConversation(String, String)	List<String>
speakerMulticastMessage(String)	boolean
speakerMulticastMessageForEvents(String, String)	boolean

MessageService

sendMessage(String, String, String)	boolean
multicastMessage(String, String, List<String>)	boolean
addMessage(String, String, String, String)	void
formatStringMessage()	List<String>
showMessage(String)	List<String>
showConversation(String, String)	List<String>
stringMessage	List<String>

MessagePresenter

messageMainMenu()	ArrayList<String>
messageAttendeeMainMenu()	ArrayList<String>
enterReceiverUsername()	String
enterReceiverType()	String
enterEventIDs()	String
promptSpeakerMessageAll()	ArrayList<String>
enterMessageInfo()	String
messageFail()	String
messageSuccess()	String
multicastFail()	String
multicastSuccess()	String
speakerEventMulticastFail()	String
invalidSelection()	String

MessageController

messageService	MessageService
messageDataProvider	IMessageDataProvider
messageAuthorizer	MessageAuthorization
eventService	EventService
loginController	ILoginController
userId	String
MessageController(ILoginController, EventService, String)	
idExist(String)	boolean
sendMessage(String, String)	boolean
multicastMessage(String, String)	boolean
speakerMulticastMessage(String)	boolean
speakerMulticastMessageForEvents(String, String)	boolean
showMessage(String)	List<String>
showConversation(String, String)	List<String>
save()	void

MessageServiceEngine

messageList	List<Message>
addMessage(String, String, String, String)	void
multicastMessage(String, String, List<String>)	boolean
sendMessage(String, String, String)	boolean
formatStringMessage()	List<String>
showMessage(String)	List<String>
showConversation(String, String)	List<String>
stringMessage	List<String>

MessageSystem

messageController	MessageController
messagePresenter	MessagePresenter
scanner	Scanner
userID	String
MessageSystem(MessagePresenter, EventService, ILoginController, Scanner)	
organizerRun()	boolean
directMessage()	void
showMessageLog()	void
attendeeRun()	boolean
speakerRun()	boolean
speakerMulticastMessageForEvents()	void
save()	void

IMessageDataProvider

write()	void
read()	void

MessageFileDataProvider

file_name	String
messageServiceEngine	MessageService
MessageFileDataProvider(String, MessageService)	
write()	void
read()	void

MessageAuthorization

canMessage(String)	boolean
canMulticast()	boolean

Message

formatter	DateTimeFormatter
Message(String, String, String)	
Message(String, String, String, String)	
toString()	String
receiverId	String
timeString	String
time	LocalDateTime
senderId	String
info	String

MessageAuthorizer

loginController	ILoginController
userType	String
MessageAuthorizer(ILoginController)	
canMessage(String)	boolean
canMulticast()	boolean