

Presenter		
welcomeMessage()		void
display(String)		void
prompt(ArrayList<String>)		void
loginMenu()		void
basicMenu1()		void
basicMenu2()		void
organizerMenu()		void
mainMessageMenu()		void
sendMessageMenuAtt()		void
sendOrgMessageOrg()		void
sendMessageMenuSpeaker()		void
viewMessageMenu()		void
eventMenu()		void
viewEventsMenu()		void
displayMessages(String)		void
displaySchedule(ArrayList<String>, String)		void
displayAllEvents(ArrayList<Event>, String)		void
displayListOfMessage(ArrayList<String>)		void
invalidInput()		void
printUsernameMessage()		void
printPleaseInputUsername()		void
printIncorrectUsername()		void
printInputMessagePlz()		void
printInputEventNum()		void
printInputEventNumOrZero()		void
printNoSentForUI()		void
printNoRecForUI()		void
udoNotSpeakAt()		String
thereAreNoMessForUFrom()		String
printPasswordMessage()		void
printLoginSucceedMessage()		void
printLoginFailMessage()		void
printRegisterSucceedMessage()		void
printSpeakerCreatedMessage()		void
printAreUAOrig()		void
printRegisterFailMessage()		void
printChangeSpeakerMessage(int)		void
printScheduleEventMessage(int)		void
printAddRoomMessage(int)		void
printSignUpMessage(int)		void
printMessageAttendee(int)		void
printMessageAllSpeakers(int)		void
printMessageAllAttendees(int)		void
printMessageEventAttendees(int)		void
printMessageMultipleEventsAttendees(int)		void

MessageSystem		
mm	MessageManager	
am	AttendeeManager	
em	EventManager	
MessageSystem(MessageManager, AttendeeManager, EventManager)		
messageAttendee(String, String, String)		int
messageAllSpeakers(String, String)		int
messageAllAttendees(String, String)		int
messageEventAttendees(ArrayList<Integer>, String, String)		int
viewEventsNotSpeak(ArrayList<Integer>, String)		ArrayList<Integer>
eventDisplayBuilder(ArrayList<Integer>)		String
viewReceivedMessage(String)		ArrayList<String>
viewSentMessage(String)		ArrayList<String>
viewAllMessagesFrom(String, String)		ArrayList<String>

ConferenceMain		
main(String[])		void

Controller		
gateway	Gateway	
attendeeManager	AttendeeManager	
eventManager	EventManager	
messageManager	MessageManager	
roomManager	RoomManager	
presenter	Presenter	
run()		
accountActivity(String)		void
getItinerary(AttendeeManager, String, Boolean)		void
scheduleActivity()		void
scheduleEvent(ScheduleSystem)		void
messageActivity(String, Boolean, Boolean)		void
messageUser(String, MessageSystem, Boolean, Boolean)		void
messageOneUser(String, MessageSystem)		void
messageAllSpeaker(String, MessageSystem)		void
messageAllAtt(String, MessageSystem)		void
messageEventAllAtt(String, MessageSystem)		void
viewMessages(String, MessageSystem)		void
viewFrom(String, MessageSystem)		void
eventActivity(String)		void
viewAllEvents(SignUpSystem)		void
exit()		void
invalidInput(List<String>, String)		boolean
askMenuInput(int)		String
askBooleanInput()		boolean
chooseMenuOptions(int)		ArrayList<String>
chooseMenuPrompts(int)		void
init()		void
save()		void
login()		String
registerUser()		void
createSpeaker()		void

ScheduleSystem		
eventManager	EventManager	
attendeeManager	AttendeeManager	
roomManager	RoomManager	
ScheduleSystem(EventManager, AttendeeManager, RoomManager)		
scheduleEvent(String, String, int, String, int, int, int)		int
addRoom(int, int)		int
changeSpeaker(String, String)		int
cancelEvent(String)		int

LoginSystem		
attendeeManager	AttendeeManager	
LoginSystem(AttendeeManager)		
canLogin(String, String)		boolean
registerUser(String, String, boolean)		boolean
registerSpeaker(String, String)		boolean

Gateway		
filepath	String	
Gateway(String)		
writeToFile(List<Serializable>)		void
readFromFile(int)		ArrayList<Serializable>

SignUpSystem		
attendeeManager	AttendeeManager	
eventManager	EventManager	
roomManager	RoomManager	
SignUpSystem(AttendeeManager, EventManager, RoomManager)		
viewAllEvents()		ArrayList<String>
getEventListClone(ArrayList<Event>)		ArrayList<Event>
signUpEvent(String, int)		int
dropOutEvent(String, int)		String
comparator	Comparator<Event>	

