| c ← AttendeeManager                      |                        |
|--|------------------------|
| m 🖆 AttendeeManager()                    |                        |
| m 🚡 createAttendee(String, String, Boole | ean) Attendee          |
| m 🖆 createSpeaker(String, String)        | Speaker                |
| m 🖆 registeredSpeaker(String)            | boolean                |
| m 🖆 inSystem(String, String)             | boolean                |
| m 🖆 addEventToSpeakerList(Speaker, Str   | ring) void             |
| m = removeEventFromSpeakerList(Speak     | ker, String) void      |
| m 🖆 getItinerary(Attendee)               | ArrayList < String >   |
| m = getSpeakingList(Speaker)             | ArrayList < String >   |
| m 🖆 changeSpeaker(String, String)        | void                   |
| m 🚡 checklsOrganizer(Attendee)           | Boolean                |
| m 🚡 signUp(Attendee, String)             | void                   |
| m 🖆 dropOut(Attendee, String)            | void                   |
| m usernameToAttendeeObject(String)       | Optional < Attendee >  |
| m = eventToAttendees(Event)              | ArrayList < Attendee > |
| p allAttendees                           | ArrayList < Attendee > |
| P allSpeakers                            | ArrayList < Speaker >  |

| <b>c</b> ⊆ EventMana  | ager               |           |                   |
|---|--------------------|-----------|-------------------|
| m 🖆 EventManag  | er()               |           |                   |
| m 🚡 createEvent(String, String, int, String, int, int, int, int) int            |                    | int       |                   |
| m & freeRoomCheck(ArrayList <localdatetime>, int) boolean</localdatetime>       |                    |           |                   |
| m 庙 freeSpeakerCheck(ArrayList <localdatetime>, String) boolean</localdatetime> |                    |           |                   |
| m = freeTitleChec   | ck(String)         |           | boolean           |
| m 🖆 nameToEven  | t(String)          | Optiona   | I <event></event> |
| m = eventToAtte   | ndees(Event)       | ArrayList | <string></string> |
| m 🖆 signUp(Even   | t, String)         |           | void              |
| m 🖆 dropOut(Eve   | nt, String)        |           | void              |
| m 🖆 changeSpeal   | ker(Event, String) |           | boolean           |
| m = cancelEvent(  | Event)             |           | void              |
| main(String[  | ))                 |           | void              |
| P events  |                    | ArrayLis  | t <event></event> |

| <b>c</b> a RoomManager   |                  |
|--|------------------|
| m 🔓 RoomManager()  |                  |
| m addRoom(int, int)  | boolean          |
| m 庙 idToRoom(int)  | Room             |
| m • checkRoomInSystem(int)                                       | boolean          |
| m • checklfRoomAvailable(Room, LocalDateTime, LocalDateTime)     | boolean          |
| m book(Room, String, LocalDateTime, LocalDateTime)               | void             |
| m e checkConflict(LocalDateTime, LocalDateTime, LocalDateTime[]) | boolean          |
| m 庙 unbook(Room, String)   | void             |
| main(String[])   | void             |
| P rooms ArrayLi  | st <room></room> |

| © ኈ MessageManager                           |                       |
|--|-----------------------|
| f a messages                                 | ArrayList < Message > |
| m • MessageManager()                         |                       |
| m 🖆 createMessage(String, String, String)    | Message               |
| m 🖆 createMessage(ArrayList < String > , St  | ring, String) Message |
| m 🚡 reply(Message, String, String)           | Message               |
| m = getSendBy(String)                        | ArrayList < String >  |
| m = getReceivedBy(String)                    | ArrayList < String >  |
| m = getAllMessagesFrom(String, String)       | ArrayList < String >  |
| m 🔒 recipientsBuilder(ArrayList < String > ) | String                |
|  |                       |