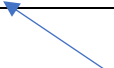
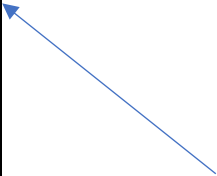


User
-username : String -name : String -password: String -messenger_list : ArrayList<String> -events: ArrayList<String> -messages_received: Map<String, ArrayList<String>> -messages_sent: Map<String, ArrayList<String>>
+ User(un: String, pw: String) + setName(name: String) + getName(): String + getUsername(): String + getPassword(): String + addEvent(event_name : String) +getEvents() : ArrayList<String> +getMessages_received(): ArrayList<String> +addMessenger(String un) +getMessage_sent(un: String): ArrayList<String> +canMessage(un: String): boolean +addMessageReceived(un: String, mess_id: String) +addMessageSent(un: String, mess_id: String) +getMessengerList(): ArrayList<String>

Attendee
+ Attendee(username: String, password: String)

Organizer
+ Organizer(username: String, password: String)

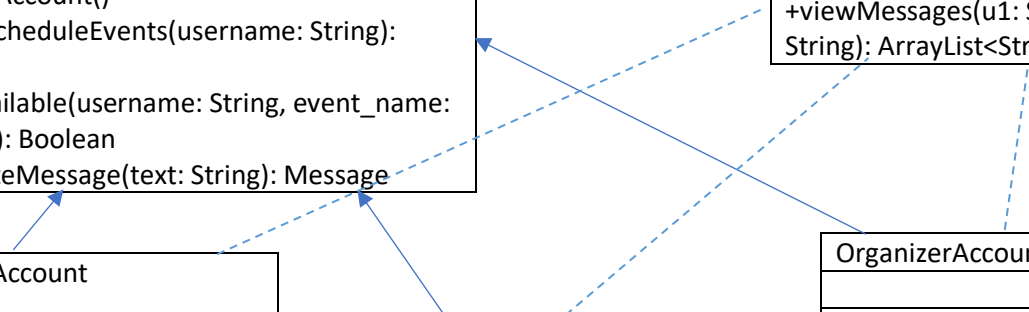
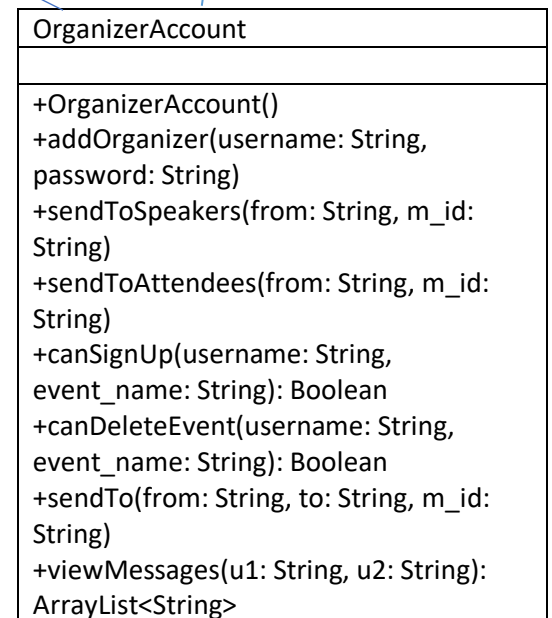
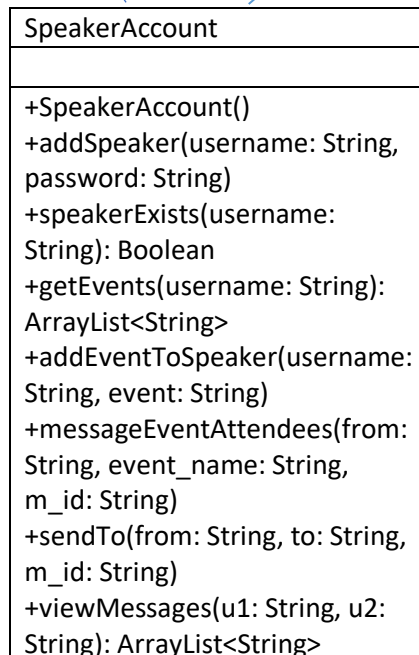
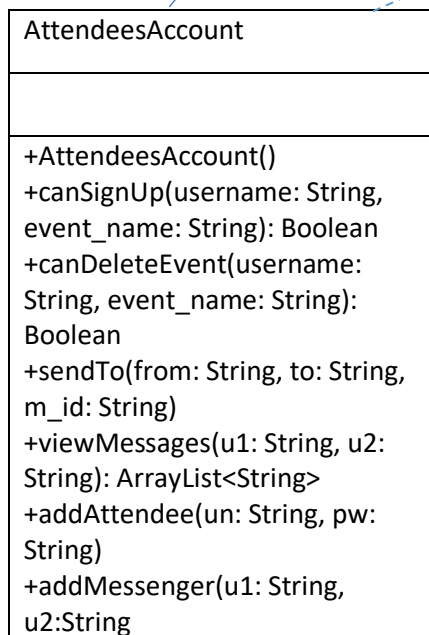
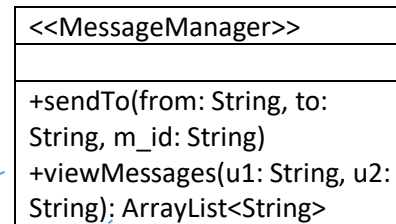
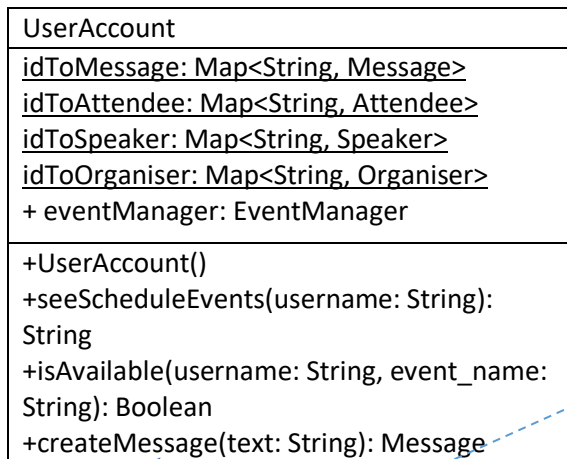
Speaker
-speakingAt: ArrayList<String>
+ Speaker(username: String, password: String) +assignSpeaker(event_id: String): Boolean +removeSpeaking(event_id: String): Boolean +getSpeakingAt(): ArrayList<String>



Message
-text: String -date: String -id: String
+Message(text: String) +getText() +toString(): String +getID(): String

Room
-capacity: int -eventsInRoom: List<String> -name: String
+Room(name: String) +setCapacity(newCapacity: int) +getCapacity(): int +getName(): String +setName(newName: String) +addEventToRoom(eventName) +getEventsInRoom(): ArrayList<String>

Event
-name: String -place: String -start_time: Calendar -end_time: Calendar -speaker: String -description: String -limit: int +attendee_list: ArrayList<String>
+Event(name: String, place: String, speaker: String, description: String, start_time: Calendar, end_time: Calendar) +getLimit(): int +setName(name: String) +setPlace(place: String) +setSpeaker(speaker: String) +getName(): String +getPlace(): String +getSpeaker(): String +getDescription(): String +getStart_time(): Calendar +getEnd_time(): Calendar +getAttendee_list(): ArrayList<String> +is_full(): boolean +toString(): String



RoomManager
-nameToRoom: Map<String, Room>
+RoomManager() +doesRoomExist(roomName: String): Boolean +addRoom(roomName: String) +removeRoom(roomName: String): Boolean +getEvents(roomName: String): ArrayList<String> +addEventToRoom(room: String, eventName: String)

EventManager
<u>EventList: Map<String, Event></u>
+EventManager() +update_attendees(event: Event, name: User) +update_events(event: Event) +isConflicting(events: ArrayList<String>, startTime: Calendar, endTime: Calendar): Boolean +createEvent(eventName: String, roomName: String, speakerName: String, description: String, startTime: Calendar, endTime: Calendar) +addEvent(event: Event)

AttendeeController
-username: String -attendeesAccount: AttendeesAccount -eventManager: EventManager -attendeePresenter: AttendeePresenter -commonPrintsPresenter: CommonPrintsPresenter -sc: Scanner
+AttendeeController(username: String) +chooseAction() +callSignUp(username: String, event_name: String) +callDeleteEvent(username: String, event_name: String) +viewScheduledEvents(username: String): String +viewAllEvents(): String +callSendTo(a1: String, a2: String, text: String): String +callViewMessages(a1: String, a2: String): ArrayList<String> +createNewAccount(username: String, password: String) +callAddMessenger(u2: String)

OrganizerController
-username: String -sa: SpeakerAccount -em: EventManager -rm: RoomManager -oa: OrganizerAccount -op: OrganizerPresenter -cpp: CommonPrintsPresenter -sc: Scanner
+OrganizerController(username: String) +chooseAction() +returnTimeSegment(input: String, start: int, end: int): int +getTimeInput(start: Boolean): Calendar +getValidInput(min: int, max: int): int +createNewAccount(username: String, password: String) +callSignUp(username: String, event_name: String) +callDeleteEvent(username: String, event_name: String) +enterRoomIntoSystem(roomName: String) +deleteRoomFromSystem(roomName: String) +createSpeakerAccount(username: String, password: String) +scheduleSpeaker(eventName: String, speakerUserName: String, startTime: Calendar, endTime: Calendar, room:String, description: String) +sendToAllSpeakers(text: String): String +sendToAllAttendees(text: String): String +callSendTo(a1: String, a2: String, text: String): String +callViewMessages(a1: String, a2: String): ArrayList<String>

SpeakerController
-username: String -speakerAccount: SpeakerAccount -eventManager: EventManager -speakerPresenter: SpeakerPresenter -commonPrintsPresenter: CommonPrintsPresenter
+SpeakerController(username: String) +chooseAction() +createNewAccount(username: String, password: String) +viewScheduledEvents(username: String): String +callMessageEventAttendees(event: String, text: String) +callSendTo(a1: String, a2: String, text: String): String +callViewMessages(a1: String, a2: String): ArrayList<String>

TechConferenceController
-sg: SerializerGateway -ua: UserAccount -em: EventManager -commonPrintsPresenter: CommonPrintsPresenter -ac: AttendeeController -oc: OrganizerController -scon: SpeakerController
+TechConferenceController() +mainMenu() +login(username: String, password: String): Boolean +populate_maps(ArrayList<User> array) +logout()

CommonPrintsPresenter
<pre> +CommonPrintsPresenter() +printInvalidOption() +printWelcomeMenu() +printSuccessfulLogin() +printRequestPassword() +printInvalidLogin() +printMessageSent() +printMessageSendingFailure() +printEnterOption() +printEnterNumber(min: int, max: int) +printLoggedOut() +printAllEvents(allEvents: String) +printSuccessfulSignUp() +printFailedSignUp() +printSuccessfulDeletion() +printFailedDeletion() +printSuccessfulAccountCreation() +printNoEventsScheduled() +printMessageText() +printMessageUserName() +printViewMessageUserName() +viewMessages(messages: ArrayList<String>) +printEventName() +printSend() +printEventNotFound() </pre>

AttendeePresenter
<pre> +AttendeePresenter() +chooseActionText() +printEventName() +printUsername() +printUsernameView() +printUsernameHistory() +printSend() +printAddMessagable() +printSuccessfulAdd() </pre>

SpeakerPresenter
<pre> +SpeakerPresenter() +chooseActionText() +printSned() +printEventName() +printUsername() +printUsernameView() </pre>

OrganizerPresenter
+OrganizerPresenter() +printActionText() +printSpeakerDNE() +printRoomDNE() +printEventClash() +printSuccessfullyScheduled() +printSpeakerAdded() +printRoomAddName() +printRoomDeleteName() +printSpeakerName() +printSpeakerPassword() +printDescription() +printRoomName() +printTimeInput(Boolean start)

SerializerGateway
-EM: EventManager -UA: UserAccount
+SerializerGateway() +readFromUN(path: String): ArrayList<User> +readFromEvent(path: String): ArrayList<Event> _readFromMessages(path: String): ArrayList<Message> +WriteToFile(path: String)