





























































MySQLAccessIn	
MySQLAccessIn()	
updateToDBAttendee(int, String, Boolean, String, String, String, String, String, String, String, String, String, String)	void
insertToDBAttendee(int, String, String, Boolean, String, String, String, String, String, String, String, String, String, String)	void
updateToDBOrganizer(int, String, String, String)	void
insertToDBOrganizer(int, String, String, int, String, String)	void
updateToDBSpeaker(int, String, String, String, String, String, String, String)	void
insertToDBSpeaker(int, String, String, String, String, String, String, String, String)	void
updateToDBMessage(int, String, int, int, String, String)	void
insertToDBMessage(int, String, int, int, String, String)	void
updateToDBDiscussion(int, String, String, int, boolean, int, String, boolean)	void
insertToDBDiscussion(int, String, String, int, boolean, int, String, boolean)	void
updateToDBParty(int, String, String, int, boolean, int, boolean)	void
insertToDBParty(int, String, String, int, boolean, int, boolean)	void
updateToDBTalk(int, String, String, int, boolean, int, int, boolean)	void
insertToDBTalk(int, String, String, int, boolean, int, int, boolean)	void















MySQLAccessOut	
MySQLAccessOut()	
organizerData	ArrayList<ArrayList<String>>
attendeeData	ArrayList<ArrayList<String>>
speakerData	ArrayList<ArrayList<String>>
messageData	ArrayList<ArrayList<String>>
talkData	ArrayList<ArrayList<String>>
discussionData	ArrayList<ArrayList<String>>
partyData	ArrayList<ArrayList<String>>





























 MessagePresenter	
 MessagePresenter()	
 notOrganizer()	void
 notSpeaker()	void
 notValidEvent()	void
 notYourEvent()	void
 announcedIndividual()	void
 announcedSpeakers()	void
 announcedAttendants()	void
 messageSent()	void
 messageReplied()	void
 announcedOrganizer()	void
 notFriend()	void
 senderDne()	void
 receiverDne()	void
 notInEvent()	void
 notValidMessageId()	void
 firstMenu()	void
 attendeeMenu()	void
 speakerMenu()	void
 talkingToYourself()	void
 attendeeLogin()	void
 organizerLogin()	void
 speakerLogin()	void
 attendeeCheckMessageListReceived(int, AttendeeManager, MessageManager)	void
 speakerCheckMessageListReceived(int, SpeakerManager, MessageManager)	void
 invalidUsername()	void













 AccountPresenter	
 AccountPresenter()	
 inputSpeakerName()	void
 inputAttendeeName()	void
 inputOrganizerName()	void
 vipOrNot()	void
 repeatedUsername()	void
 inputPassword()	void
 speakerCreateSuccessfully()	void
 attendeeCreateSuccessfully()	void
 speakerAccountInfo(String, String, String)	void
 attendeeAccountInfo(String, String, String)	void
 enterCurrentPassword()	void
 enterNewPassword()	void
 updatePasswordSuccess(String)	void
 repetitivePassword()	void
 incorrectPassword()	void
 accountInfo(String)	void
 waitPatiently()	void












 SchedulePresenter	
 SchedulePresenter()	
 printOccupancyList(RoomManager, HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>)	void
 inputStartTime()	void
 inputDuration()	void
 inputTime()	void
 inputSpeakerId()	void
 inputRoomId()	void
 inputTitle()	void
 scheduleSuccess()	void
 scheduleFailure()	void
 cannotSchedule()	void
 cannotScheduleSpeaker()	void
 exit()	void









 LoginPresenter	
 LoginPresenter()	
 start()	void
 showStart1()	void
 showStart2()	void
 idError()	void
 passwordError()	void
 attendeeLogin()	void
 organizerLogin()	void
 speakerLogin()	void
 firstMenu()	void
 switchToO()	void
 doNotHaveO()	void
 switchToA()	void







 FriendPresenter	
 FriendPresenter()	
 enterFriendName()	void
 nextStep()	void
 notValidFriendName()	void
 alreadySentRequest()	void
 addFriendSuccessfully()	void
 successSendRequest(String)	void
 showRequestName(String)	void
 successAddFriend(String)	void
 successfullyDecline(String)	void
 completeViewing()	void
 waitPatiently()	void

 SignUpPresenter	
 SignUpPresenter()	
 inputChoice()	void
 inputEventId()	void
 inputEventIdToCancel()	void
 successfulSignUp()	void
 successfulCancel()	void
 timeNotAvailable()	void
 eventFuled()	void
 eventIdInvalid()	void
 eventNotSigned()	void
 eventCancelled()	void
 waitPatiently()	void

 RequestPresenter	
 RequestPresenter()	
 inputSpecialRequest()	void
 successfulQuit()	void
 successfulRequest()	void
 invalidInput()	void
 invalidInput2()	void
 orgMenu()	void
 changingState()	void
 seeAddressedList()	void
 seePendingList()	void
 successfulAddress()	void




















 SystemPresenter	
 SystemPresenter()	
 start()	void
 showStart1()	void
 showStart2()	void
 firstMenu()	void
 switchToO()	void
 doNotHaveO()	void
 switchToA()	void
 invalidInput()	void
 loading()	void

 vipPresenter	
 vipPresenter()	
 inputUpgradeUsername()	void
 inputDowngradeUsername()	void
 invalidUpgradeUsername()	void
 invalidDowngradeUsername()	void
 downgradeSuccessfully(String)	void
 vipSuccessfully	String

 RegisterPresenter	
 RegisterPresenter()	
 inputSpeakerName()	void
 inputAttendeeName()	void
 inputPassword()	void
 createSuccessfully()	void

AttendeeManager	
vipManager	VipManager
requestManager	RequestManager
AttendeeManager()	
recreateAttendee(int, String, String, Boolean, ArrayList<Integer>, ArrayList<Integer>, ArrayList<Integer>, ArrayList<Integer>, ArrayList<Integer>, HashMap<String, String>, ArrayList<Integer>, ArrayList<Integer>, ArrayList<Integer>)	void
organizerAssociation(String, String)	int
createAttendee(String, String)	void
addEvent(int, int)	void
removeEvent(int, int)	void
setFriendList(int, ArrayList<Integer>)	void
getFriendList(int)	ArrayList<Integer>
setEventList(int, ArrayList<Integer>)	void
getEventList(int)	ArrayList<Integer>
getPassword(int)	String
setPassword(int, String)	void
validatePassword(int, String)	boolean
getUsername(int)	String
setUsername(int, String)	void
nameFold(String)	int
isValidUsername(String)	boolean
attendeeLogin(String, String)	boolean
getStatus(int)	boolean
setMessageListSent(int, ArrayList<Integer>)	void
getMessageListSent(int)	ArrayList<Integer>
addMessageListSent(int, Integer)	void
addMessageListReceived(int, Integer)	void
addMessageListUnread(int, Integer)	void
addMessageListArchived(int, Integer)	void
addMessageListDeleted(int, Integer)	void
setMessageListReceived(int, ArrayList<Integer>)	void
removeMessageListReceived(int, Integer)	void
getMessageListReceived(int)	ArrayList<Integer>
getMessageListunread(int)	ArrayList<Integer>
getMessageListdeleted(int)	ArrayList<Integer>
getMessageListarchived(int)	ArrayList<Integer>
setMessageListunread(int, ArrayList<Integer>)	void
setMessageListdeleted(int, ArrayList<Integer>)	void
setMessageListarchived(int, ArrayList<Integer>)	void
addRequestList(int, int)	void
getRequestList(int)	ArrayList<Integer>
deleteRequestList(int, int)	void
canUpgrade(String)	boolean
canDowngrade(String)	boolean
downgrade(int)	void
canRequest(int, String)	boolean
request(int, String)	void
setAddressed(int, String)	void
requestToString(int, String)	String
addressedListToString()	String
getRequestList(int)	HashMap<String, String>
setSRequestList(int, HashMap<String, String>)	void
attendeeInfo(int)	String
attendeeList	HashMap<Integer, Attendee>
vip	int
pendingList	ArrayList<Pair<String, String>>
addressedList	ArrayList<Pair<String, String>>
numAttendee	int

➤	OrganizerManager	
➤	OrganizerManager()	
➤	recreateOrganizer(int, String, String, int, ArrayList<Integer>, ArrayList<Integer>)	void
➤	createOrganizer(String, String, AttendeeManager)	void
➤	addEvent(int, int)	void
➤	removeEvent(int, int)	void
➤	getEventHostList(int)	ArrayList<Integer>
➤	setEventHostList(int, ArrayList<Integer>)	void
➤	getMessageListSent(int)	ArrayList<Integer>
➤	setMessageListSent(int, ArrayList<Integer>)	void
➤	getPassword(int)	String
➤	setPassword(int, String)	void
➤	validatePassword(int, String)	boolean
➤	getUsername(int)	String
➤	setUsername(int, String)	void
➤	setAttendeeId(int, int)	void
➤	getAttendeeId(int)	int
➤	addMessageList(int, Integer)	void
➤	nameFold(String)	int
➤	isValidUsername(String)	boolean
➤	attendeeLogin(String, String)	boolean
➤	organizerList	HashMap<Integer, Organizer>








	SpeakerManager	
	SpeakerManager()	
	recreateSpeaker(int)	void
	createSpeaker(String, String)	void
	addEvent(int, int)	void
	removeEvent(int, int)	void
	getSpeechList(int)	ArrayList<Integer>
	setSpeechList(int, ArrayList<Integer>)	void
	getPassword(int)	String
	setPassword(int, String)	void
	getUsername(int)	String
	setUsername(int, String)	void
	setMessageListSent(int, ArrayList<Integer>)	void
	getMessageListSent(int)	ArrayList<Integer>
	addMessageListSent(int, Integer)	void
	addMessageListReceived(int, Integer)	void
	setMessageListReceived(int, ArrayList<Integer>)	void
	getMessageListReceived(int)	ArrayList<Integer>
	speakerList	HashMap<Integer, Speaker>



















MessageManager	
MessageManager()	
recreateMessage(int, String, int, int, LocalDateTime, ArrayList<Integer>)	void
createMessage(String, int, int)	void
addReply(Message, int)	void
getTime(int)	LocalDateTime
getContent(int)	String
getSender(int)	int
getReceiver(int)	int
getReplyList(int)	ArrayList<Integer>
setReplyList(int, ArrayList<Integer>)	void
setContent(int, String)	void
setTime(int, LocalDateTime)	void
setSender(int, int)	void
setReceiver(int, int)	void
validateMessageId(int)	boolean
addReplyList(int, int)	void
messageList	HashMap<Integer, Message>

















EventManager	
EventManager()	
recreateEvent(int)	void
createEvent(int, Pair<LocalDate<int>, LocalDateTime>, String)	void
addAttendee(int, int)	void
removeAttendee(int, int)	void
getSpeaker(int)	int
getTime(int)	Pair<LocalDate<int>, LocalDateTime>
getTitle(int)	String
getAttendants(int)	ArrayList<Integer>
setAttendants(int, ArrayList<Integer>)	void
setSpeaker(int, int)	void
setTime(int, Pair<LocalDate<int>, LocalDateTime>)	void
setTitle(int, String)	void
validateEventId(int)	boolean
eventList	HashMap<Integer, Event>


RequestManager	
attendeeManager	AttendeeManager
RequestManager(AttendeeManager)	
canSetRequest(int, String)	boolean
setRequest(int, String)	void
setAddressed(int, String)	void
requestToString(String, String)	String
addressedListToString()	String
addressedList	ArrayList<Pair<String, String>>
pendingList	ArrayList<Pair<String, String>>


RoomManager	
RoomManager()	
createOccupancyList(HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>, LocalDateTime, int)	HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>
createAvailableList(HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>)	HashMap<Pair<LocalDateTime, LocalDateTime>, Integer>
setEvent(Pair<LocalDateTime, LocalDateTime>, int, int)	void
scheduleListToString(EventManager, SpeakerManager)	String
occupancyListToString(HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>)	String
scheduleList	HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>





































 VipManager	
 attendeeManager	AttendeeManager
 VipManager	(AttendeeManager)
 validateUpgrade	(String) boolean
 validateDowngrade	(String) boolean
 downgrade	(int) void
 upgrade	(int) void
























 	Message	
 	Message(int)	
 	Message(int, String, int, int)	
 	content	String
 	time	LocalDateTime
 	messageld	int
 	sender	int
 	replyList	ArrayList<Integer>
 	receiver	int




















 	Event	
 	Event(int)	
 	Event(int, int, Pair<LocalDateTime, LocalDateTime>, String)	
 	speaker	int
 	title	String
 	time	Pair<LocalDateTime, LocalDateTime>
 	attendants	ArrayList<Integer>
 	eventId	int














 Package event









 Package user









	SystemBuilder	
	sp	SystemPresenter
	mm	MessageManager
	em	EventManager
	rm	RoomManager
	srs	SpeakerAccountSystem
	fs	FriendSystem
	sus	SignUpSystem
	ss	ScheduleSystem
	ces	CancelEventSystem
	ccs	ChangeCapacitySystem
	uds	UpDowngradeSystem
	lp	LoginPresenter
	ms	MessageSystem
	vp	VIPSystem
	dbmu	DBtoManagerUpdater
	ams	AccountManageSystem
	rs	RequestSystem
	loginState	boolean
	userRole	int
	userID	int
	switchToO	boolean
	switchToA	boolean
	SystemBuilder()	
	getType(int)	int
	setScheduleList()	void
	notValid(int)	boolean
	attendeeMenu()	void
	organizerMenu()	void
	speakerMenu()	void
	run()	void
	sm	SpeakerManager
	ls	LoginSystem
	ars	AttendeeRegisterSystem
	om	OrganizerManager
	am	AttendeeManager








	MessageSystem	
	messageManager	MessageManager
	attendeeManager	AttendeeManager
	speakerManager	SpeakerManager
	organizerManager	OrganizerManager
	eventManager	EventManager
	messagePresenter	MessagePresenter
	atdu	AmToDbUpdater
	stdu	SmToDbUpdater
	otdu	OmToDbUpdater
	mtdu	MmToDbUpdater
	MessageSystem(MessageManager, AttendeeManager, SpeakerManager, OrganizerManager, EventManager)	
	speakerAnnounceAttendees(int, String, int)	void
	speakerAnnounceAttendant(int, String, int, int)	void
	organizerAnnounceAttendees(int, String, int)	void
	organizerAnnounceSpeakers(int, String, int)	void
	organizerAnnounceIndividual(int, String, int, int)	void
	message(int, String, int)	void
	reply(int, String, int, int)	void
	markUnread(int, int)	void
	markArchived(int, int)	void
	deleteMessage(int, int)	void
	runMessage(int)	void







	SignUpSystem	
	roomManager	RoomManager
	eventManager	EventManager
	attendeeManager	AttendeeManager
	speakerManager	SpeakerManager
	sup	SignUpPresenter
	lp	LoginPresenter
	etdu	EmToDbUpdater
	atdu	AmToDbUpdater
	SignUpSystem(RoomManager, EventManager, AttendeeManager, SpeakerManager)	
	validateEvent(int)	boolean
	cancelledEvent(int)	boolean
	containEvent(int, int)	boolean
	capacityCheck(int)	boolean
	validateAttendee(int, Pair<LocalDateTime, LocalDateTime>, int)	boolean
	signUp(int, int)	boolean
	cancel(int, int)	boolean
	runSignUp(int)	void
	runCancel(int)	void



	ScheduleSystem	
	roomManager	RoomManager
	eventManager	EventManager
	speakerManager	SpeakerManager
	organizerManager	OrganizerManager
	ScheduleSystem(RoomManager, EventManager, SpeakerManager, OrganizerManager)	
	validateEvent(HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>, Pair<LocalDateTime, LocalDateTime>, int)	boolean
	validateSpeaker(Pair<LocalDateTime, LocalDateTime>, int)	boolean
	createOccupancyList(LocalDateTime, int)	HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>
	canSchedule(LocalDateTime, int)	boolean
	canSpeaker(LocalDateTime, int)	boolean
	schedule(HashMap<Pair<LocalDateTime, LocalDateTime>, HashMap<Integer, Integer>>, int, Pair<LocalDateTime, LocalDateTime>, int, int, String)	boolean
	main(int, RoomManager, EventManager, SpeakerManager, OrganizerManager)	void


	FriendSystem	
	attendeeManager	AttendeeManager
	organizerManager	OrganizerManager
	speakerManager	SpeakerManager
	userid	int
	FriendSystem(AttendeeManager, OrganizerManager, SpeakerManager, int)	
	main(AttendeeManager, OrganizerManager, SpeakerManager, int)	void
	attendee_add_friend(int)	boolean

	VIPSystem	
	attendeeManager	AttendeeManager
	messageManager	MessageManager
	attendeeUpdater	AmToDbUpdater
	messageUpdater	MmToDbUpdater
	VIPSystem(AttendeeManager, MessageManager)	
	upgrade()	void
	downgrade()	void

	LoginSystem	
	lp	LoginPresenter
	am	AttendeeManager
	om	OrganizerManager
	sm	SpeakerManager
	LoginSystem(AttendeeManager, OrganizerManager, SpeakerManager)	
	login(String, String)	int

	RequestSystem	
	am	AttendeeManager
	rp	RequestPresenter
	RequestSystem(AttendeeManager)	
	runRequest(int)	void
	runAddressed()	void

	Main	
	main(String[])	void

	Package ManageEventSystem	
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