## AccountController

| | |
|---|---|
| f 🔒 dm | DataManager |
| f 🔒 am | AccountManager |
| f 🔒 username | String |
| m 🔒 AccountController(DataManager) | |
| m 🔒 getAccountType() | AccountTypeEnum |
| m 🔒 usernameExists(String) | boolean |
| m 🔒 getAccountList() | Set<String> |
| m 🔒 getView(ViewEnum) | View |
| m 🔒 saveData() | void |

## RegistrationController

| | |
|---|---|
| f 🔒 ORGANIZER_CODE | String |
| f 🔒 SPEAKER_CODE | String |
| f 🔒 VIP_CODE | String |
| f 🔒 am | AccountManager |
| f 🔒 fm | ContactManager |
| f 🔒 cm | ConversationManager |
| m 🔒 RegistrationController(DataManager) | |
| m 🔒 register(AccountTypeEnum, String, String) | void |
| m 🔒 getRegistrationCode(AccountTypeEnum) | String |
| m 🔒 addNewAccountKeys(String) | void |

## LoginController

| | |
|---|---|
| f 🔒 am | AccountManager |
| f 🔒 dm | DataManager |
| m 🔒 LoginController(DataManager) | |
| m 🔒 login(String, String) | ViewEnum |
| m 🔒 loginHelper(String) | ViewEnum |
| m 🔒 isCorrectPassword(String, String) | boolean |

## EventController

| | |
|---|---|
| f 🔒 username | String |
| f 🔒 eventManager | EventManager |
| f 🔒 accountManager | AccountManager |
| f 🔒 locationManager | LocationManager |
| m 🔒 EventController(DataManager) | |
| m 🔒 createEvent(EventTypeEnum, String, Calendar, String, ArrayList<String>, Integer, int, int, boolean, boolean, boolean, Boolean | void |
| m 🔒 rescheduleEvent(Integer, Calendar) | void |
| m 🔒 cancelEvent(Integer) | void |
| m 🔒 getAllEvents() | ArrayList<String> |
| m 🔒 getAttendeeEvents() | ArrayList<String> |
| m 🔒 getSpeakerEvents() | ArrayList<String> |
| m 🔒 checkValidSpeaker(EventTypeEnum, ArrayList<String>) | void |
| m 🔒 signupForEvent(Integer) | void |
| m 🔒 cancelSignupForEvent(Integer) | void |
| m 🔒 locationMeetsRequirements(String, int, int, int, boolean, boolean, boolean | boolean |
| m 🔒 getSuggestedLocations(int, int, int, boolean, boolean, boolean | ArrayList<String> |
| m 🔒 isExistingLocation(String) | boolean |

## MessageController

| | |
|---|---|
| f ♀ username | String |
| f ♀ am | AccountManager |
| f ♀ cm | ConversationManager |
| f ♀ ctm | ContactManager |
| f ♀ em | EventManager |
| m 🔒 MessageController(DataManager) | |
| m 🔒 messageAccount(String, String) | void |
| m 🔒 messageAllAttendees(String) | void |
| m 🔒 messageEventAttendees(ArrayList<Integer>, String) | void |
| m 🔒 messageAllSpeakers(String) | void |

## ConversationController

| | |
|---|---|
| f 🔒 cm | ConversationManager |
| f 🔒 am | AccountManager |
| f 🔒 ctm | ContactManager |
| f 🔒 username | String |
| f ○ myConversations | Set<String> |
| m 🔒 ConversationController(DataManager) | |
| m 🔒 isEmpty() | boolean |
| m 🔒 getAllUserConversationRecipients() | Set<String> |
| m 🔒 contactable(String) | boolean |
| m 🔒 viewMessagesFrom(String, int) | ArrayList<String> |

## RequestController

| | |
|---|---|
| f 🔒 rm | RequestManager |
| f 🔒 username | String |
| m 🔒 RequestController(DataManager) | |
| m 🔒 resolveRequest(Integer) | void |
| m 🔒 sendRequest(String, String) | void |
| m 🔒 getPendingRequestListString() | String |
| m 🔒 getResolvedRequestsString() | String |

## ContactController

| | |
|---|---|
| f ♀ username | String |
| f ♀ contactManager | ContactManager |
| m 🔒 ContactController(DataManager) | |
| m 🔒 addContact(String) | void |
| m 🔒 removeContact(String) | void |
| m 🔒 getContactList() | ArrayList<String> |

## LocationController

| | |
|---|---|
| f 🔒 locationManager | LocationManager |
| m 🔒 LocationController(DataManager) | |
| m 🔒 isNewLocation(String) | boolean |
| m 🔒 addNewLocation(String, int, int, int, boolean, boolean, boolean, String | void |
| m 🔒 getLocationsAsString() | ArrayList<String> |

## DownloadScheduleController

| | |
|---|---|
| f ♀ hm | HTMLManager |
| m 🔒 DownloadScheduleController(DataManager) | |
| m 🔒 downloadSchedule() | void |
| m 🔒 getPath() | String |