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| AdminAccountManagement |
| * adapterClub: ArrayAdapter<String> * adapterParticipant: ArrayAdapter<String> * participantList: ArrayList<String> * clubList: ArrayList<String> * database: DatabaseHelper * listOfParticipants: ListView * listOfClubs: ListView * user: String |
| # onCreate(savedInstanceState: Bundle): void  - showAlertDialog(selectedItem: String): void |

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| DatabaseHelper |
| * DATABASE\_NAME: final String = “userdatabase” * DATABASE\_VERSION: final int = 2 * TABLE\_USER: final String = “user” * COLUMN\_ID: final String = “id” * COLUMN\_USERNAME: final String = “username” * COLUMN\_PASSWORD: final String = “password” * COLUMN\_ROLE: final String = “role” * CREATE\_USER\_TABLE: final String |
| + DatabaseHelper(content: Content): DatabaseHelper  + onCreate(db: SQLiteDatabase): void  + onUpgrade(bd: SQLiteDatabase,oldVersion: int, newVersion int): void  + addUser(username: String, password: String, role: String): Boolean  + validateUser(username: String, password: String): Boolean  + getUserRole(username: String, password: String): Boolean  + usernameExists(username: String): Boolean  + getUser(role: String): ArrayList  + deleteUser(user: String): boolean |

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| LoginActivity |
| * usernameEditText: EditText * passwordEditText: EditText * loginButton: Button * registerButton: Button * database: DatabaseHelper |
| # onCreate(savedInstanceState: Bundle): void |

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| WelcomeActivity |
| * welcomeTextView: TextView * databaseHelper: DatabaseHelper |
| # onCreate(savedInstanceState: Bundle): void |

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| AdminEventManagment |
| * event\_details: String * event\_type: String * event\_name: String * editEvent: Boolean = false * listOfEvents: ListView * adapter: ArrayAdapter<String> * eventList: ArrayList<String> * database: EventDatabaseHelper |
| + onCreate(savedInstanceState: Bundle): void  + addEventBtn(view: View): void  + getEventDetails(): String  + getEventType(): String  + showAlertDialog(selectedItem: String): void |

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| EventDatabaseHelper |
| * DATABASE\_NAME: final String = “eventdatabase” * DATABASE\_VERSION: final int = 2 * TABLE\_USER: final String = “events” * COLUMN\_ID: final String = “id” * COLUMN\_EVENT\_NAME: final String = “event\_name” * COLUMN\_EVENT\_TYPE: final String = “event\_type” * COLUMN\_DETAILS: final String = “event\_details” * COLUMN\_REQUIREMENTS: final String = “event\_requirements” * CREATE\_EVENT\_TABLE: final String |
| + EventDatabaseHelper(content: Content): EventDatabaseHelper  + onCreate(db: SQLiteDatabase): void  + onUpgrade(bd: SQLiteDatabase,oldVersion: int, newVersion int): void  + getEventType(event\_name: String): String  + getEventDetails(event\_name: String): String  + getEventRequirements(event\_name: String): String  + addEvent(eventName: String, eventType: String, eventDetails: String, eventRequirements: String): Boolean  + getAllRecords(): ArrayList  + deleteEvent(eventName: String): Boolean  + editEvent(defaultEventName: String: eventName: String, eventType: String, eventDetails: String, eventRequirements: String): Boolean  + eventNameExists(eventName: String): boolean |

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| LoginAdminSuccess |
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| # onCreate(savedInstanceState: Bundle): void |

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| RegistrationActivity |
| * usernameEditText: EditText * passwordEditText: EditText * adminButton: Button * clubMemberButton: Button * participantButton: Button * databaseHelper: DatabaseHelper |
| # onCreate(savedInstanceState: Bundle): void  - registerUser(role: String): void |

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| MainActivity |
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| # onCreate (savedInstanceState: Bundle): void |

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| EventRegistration |
| * eventName: EditText * eventDate: EditText * eventRoute: EditText * ageRequirement: EditText * levelRequirement: EditText * paceRequirement: EditText * eventDetails: TextView * register\_button: Button * database: EventDatabaseHelper * defultEventName: String * defaultEventDate: String * defaultEventRoute: String * defaultAgeRequirement: String * defaultLevelRequirements: String * defaultPaceRequirement: String * event\_type: String |
| # onCreate(savedInstanceState: Bundle): void |

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| LoginParticipantSuccess |
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| # onCreate(savedInstanceState: Bundle): void |

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| LoginClubMemberSuccess |
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| # onCreate(savedInstanceState: Bundle): void |