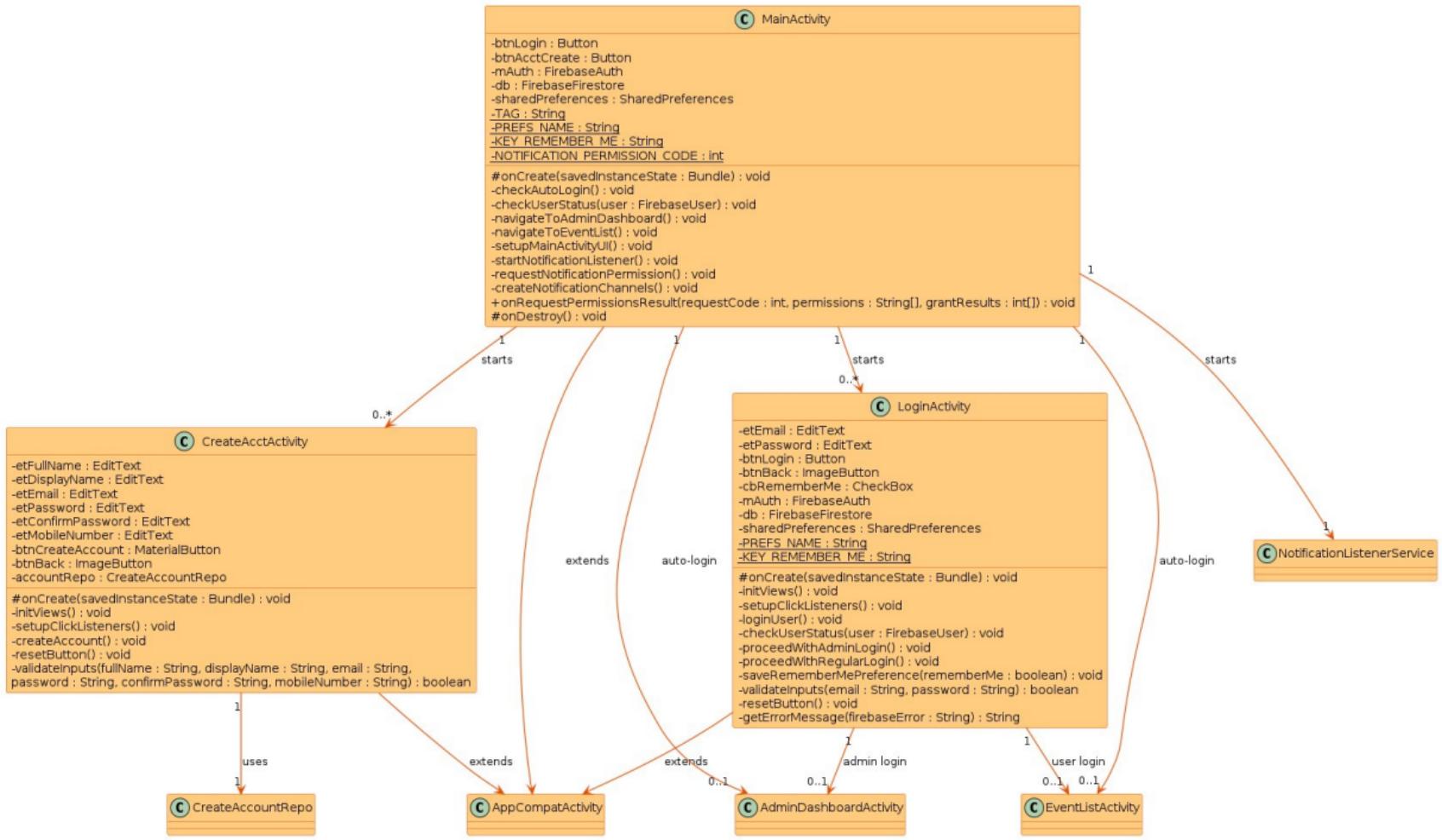
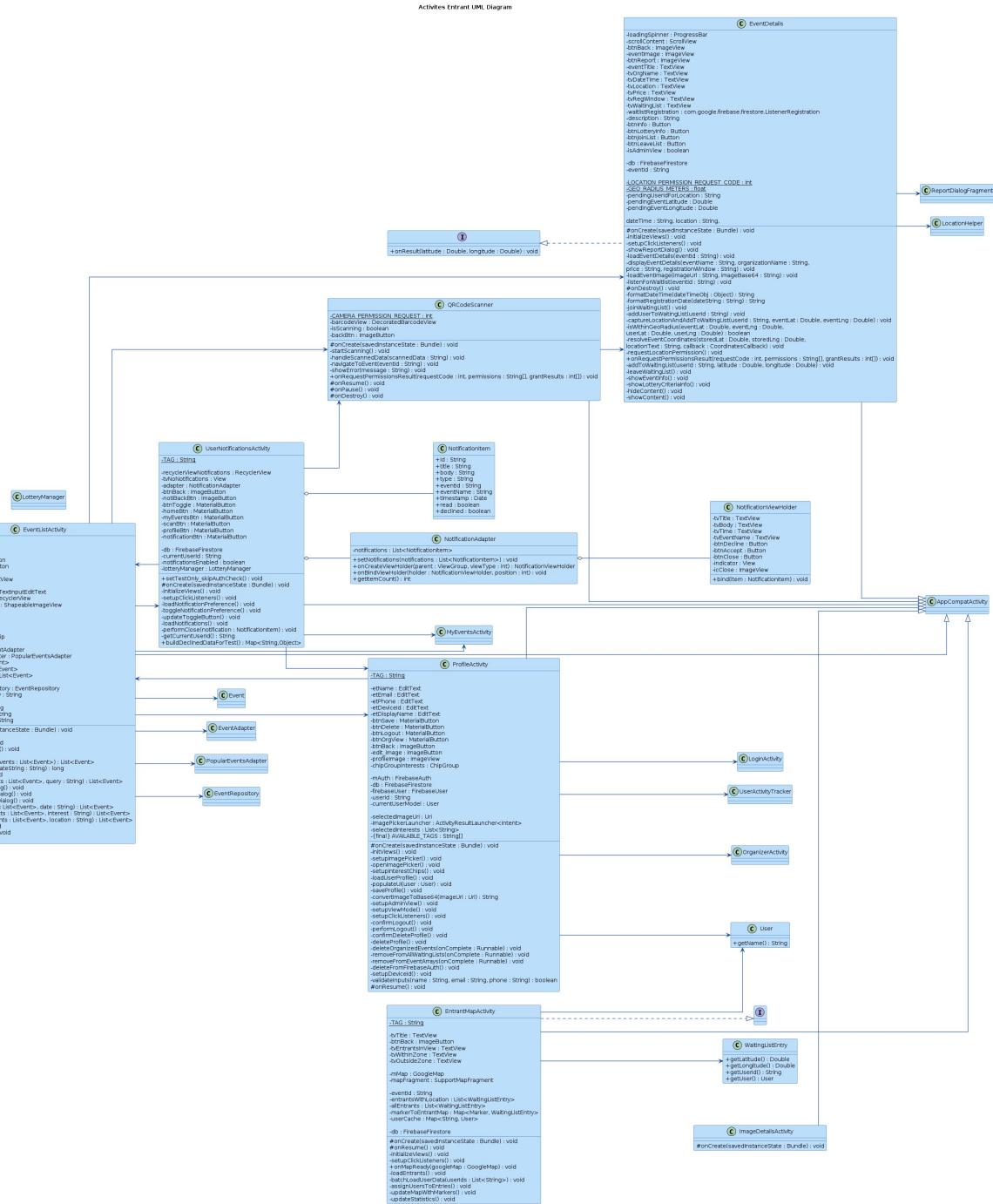
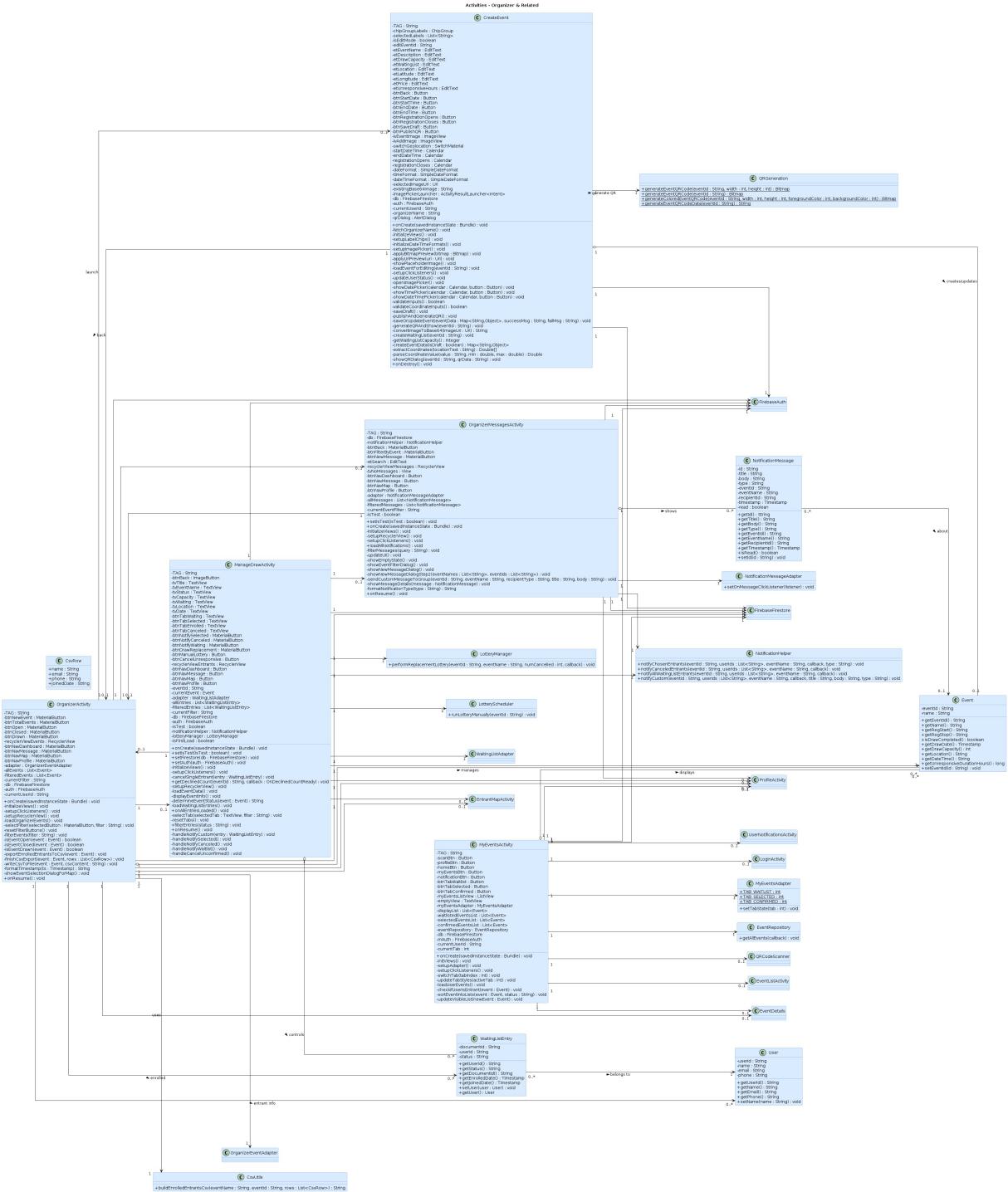


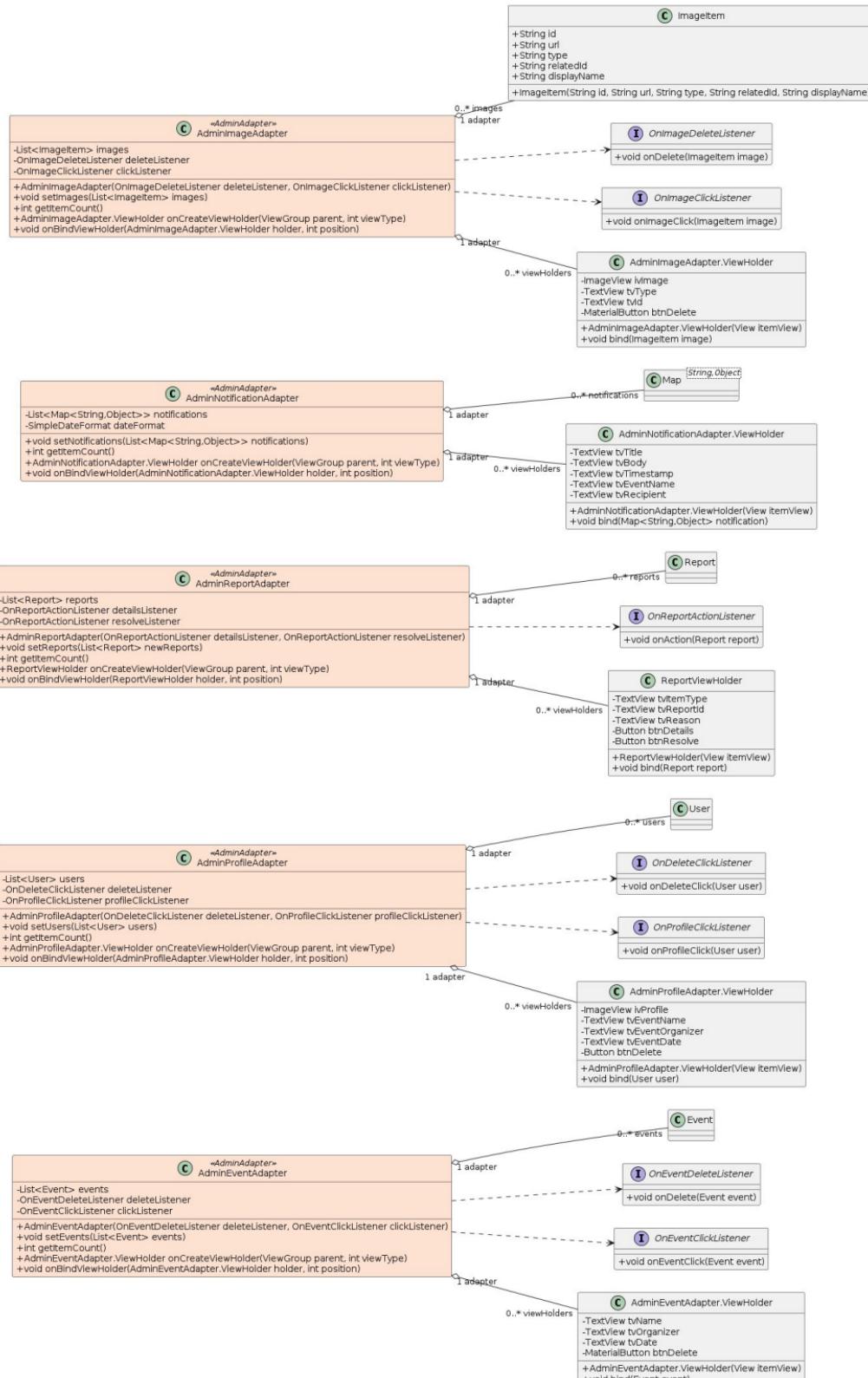
Core Activities UML Diagram



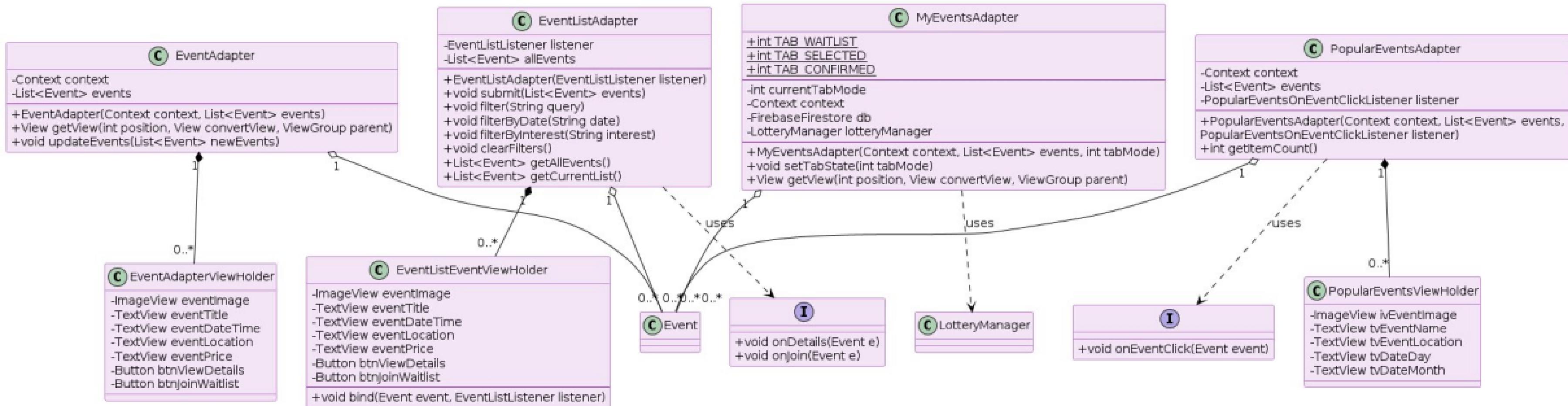




## Adapters - Admin



## Adapters-Entrant Event Adapters



## Adapter- Organizer Event

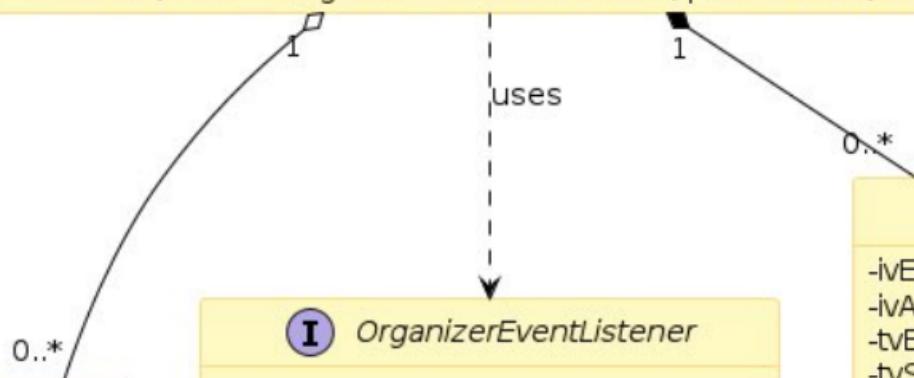
### C OrganizerEventAdapter

-listener : OrganizerEventListener

+OrganizerEventAdapter(listener : OrganizerEventListener)

+onCreateViewHolder(parent : ViewGroup, viewType : int) : OrganizerEventViewHolder

+onBindViewHolder(holder : OrganizerEventViewHolder, position : int) : void



### C OrganizerEventViewHolder

-ivEventImage : ImageView

-ivAddIcon : ImageView

-tvEventTitle : TextView

-tvStatusClip : TextView

-tvDescription : TextView

-btnEditEvent : Button

-btnDetails : Button

-btnManageDraw : Button

-btnExportCSV : MaterialButton

+OrganizerEventViewHolder(itemView : View)

+bind(event : Event, listener : OrganizerEventListener) : void

-determineEventStatus(event : Event) : String

### I OrganizerEventListener

+onEditEvent(event : Event) : void

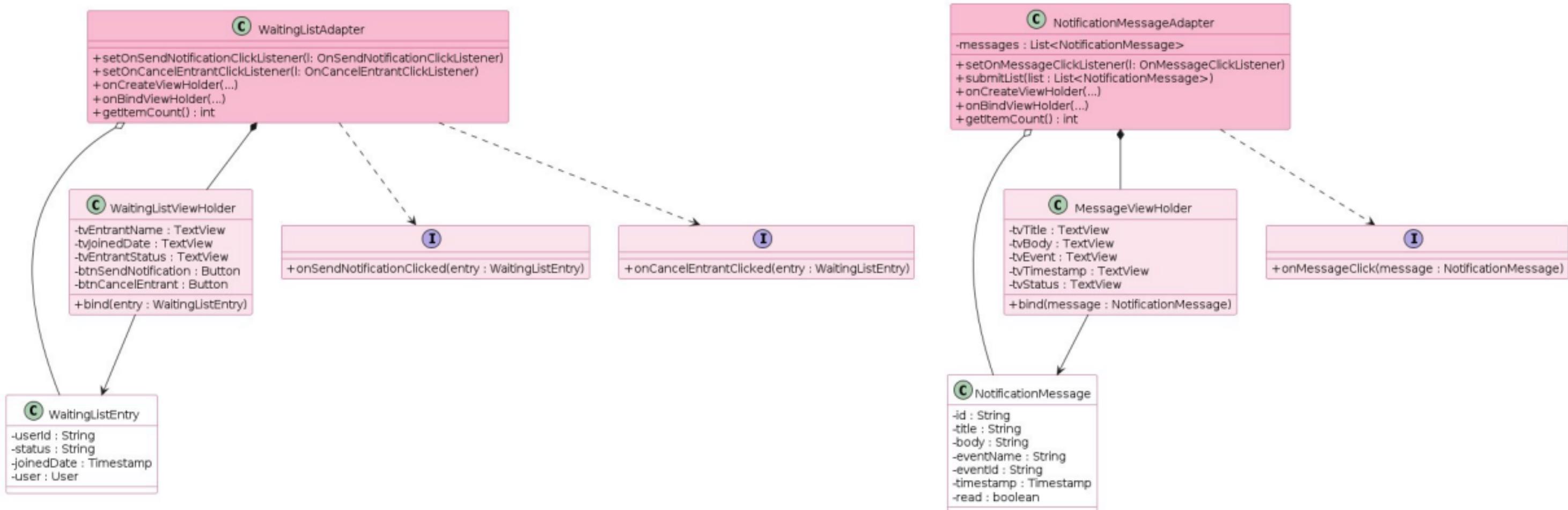
+onViewDetails(event : Event) : void

+onManageDraw(event : Event) : void

+onExportCSV(event : Event) : void

+onImageClick(event : Event) : void

## Adapters - Waiting List & Notification Adapters



## Constants

### C AppColors

+F1 : int  
+F2 : int  
+F3 : int  
+F4 : int



### AppConstants

-AppConstants()  
  
+MAX EVENT PARTICIPANTS : int  
+MIN AGE LIMIT : int  
+FEATURE ENABLE LOTTERY : boolean  
  
+PREF USER ID : String  
+PREF PROFILE COMPLETED : String  
  
+COL EVENTS : String  
  
+F NAME : String  
+F DATE : String  
+F CAPACITY : String  
+F REG OPENS : String  
+F REG CLOSES : String  
+F DRAW COUNT : String  
+F WAITING LIST : String  
  
+EXTRA EVENT ID : String

## Fragments

### C ReportDialogFragment

-eventId : String  
+newInstance(eventId : String) : ReportDialogFragment  
+onCreate(savedInstanceState : Bundle) : void  
+onCreateView(inflater : LayoutInflater, container : ViewGroup, savedInstanceState : Bundle) : View  
+onViewCreated(view : View, savedInstanceState : Bundle) : void  
-submitReport(description : String, rating : float) : void

### C ReportDetailsDialogFragment

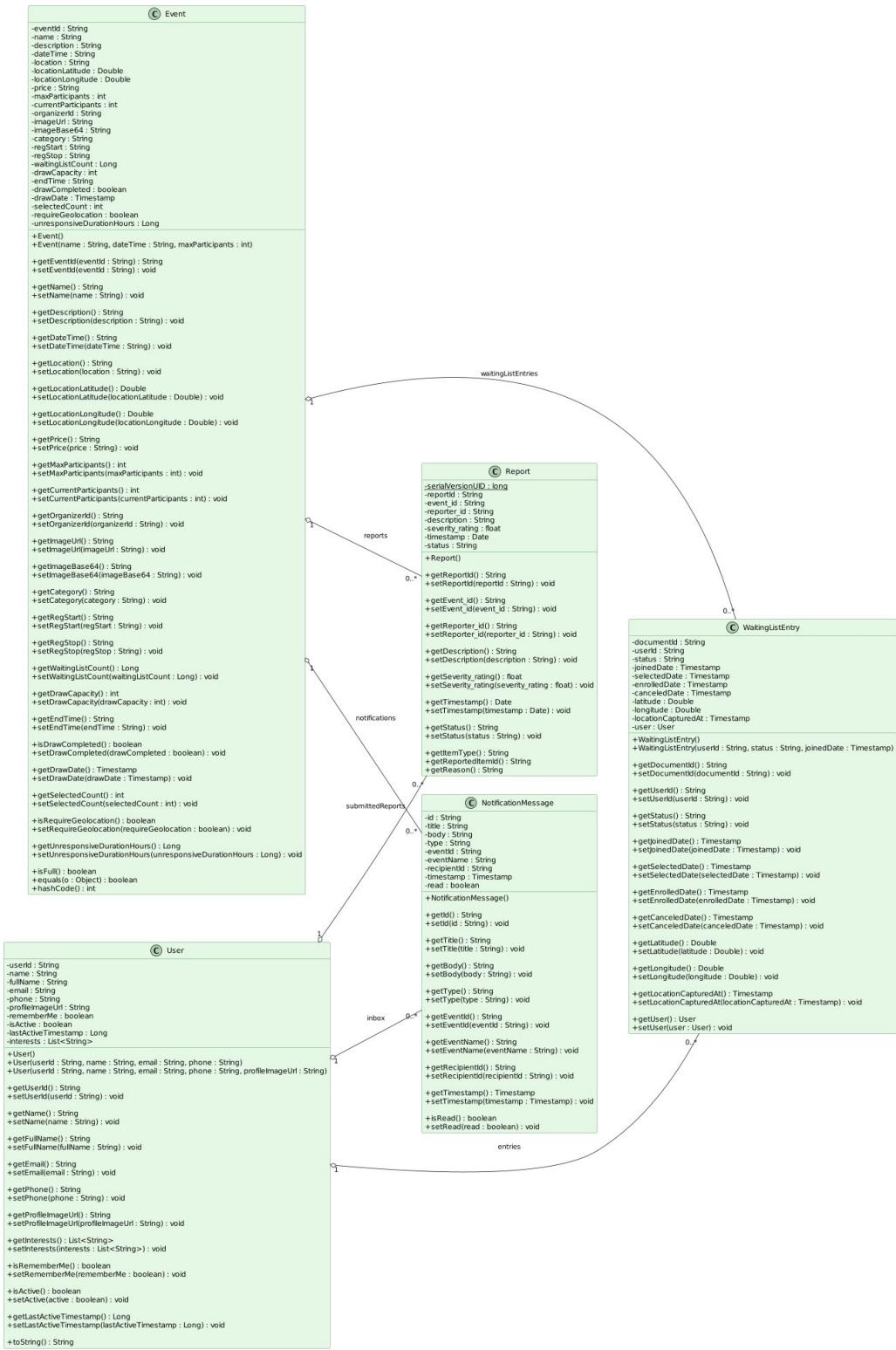
-currentReport : Report  
-resolveListener : ReportResolveListener  
+newInstance(report : Report) : ReportDetailsDialogFragment  
+setReportResolveListener(listener : ReportResolveListener) : void  
+onCreate(savedInstanceState : Bundle) : void  
+onCreateView(inflater : LayoutInflater, container : ViewGroup, savedInstanceState : Bundle) : View  
+onViewCreated(view : View, savedInstanceState : Bundle) : void  
-fetchReporterName(reporterId : String, tvReporter : TextView) : void

### I

+onReportResolved(report : Report) : void

### C Report





## Network & Services - Firebase Access Layer

### C CreateAccountRepo

```
-{final} mAuth : FirebaseAuth  
-{final} db : FirebaseFirestore  
  
email : String,  
password : String,  
fullName : String,  
displayName : String,  
mobileNumber : String,  
callback : RegistrationCallback  
userId : String,  
fullName : String,  
displayName : String,  
email : String,  
mobileNumber : String,  
callback : RegistrationCallback  
  
+CreateAccountRepo(auth :  
FirebaseAuth, firestore :  
Firestore)  
+registerUser(  
) : void  
-saveUserToDatabase(  
) : void
```

### I RegistrationCallback

```
+onSuccess() : void  
+onFailure(error : String) : void
```

### C EventRepository

```
-{static, final} TAG : String  
-{static, final} COLLECTION_EVENTS :  
String  
-{final} db : FirebaseFirestore  
  
+EventRepository()  
+getAllEvents(callback :  
EventCallback) : void  
+searchEventsByName(searchQuery :  
String, callback : EventCallback) :  
void  
+getEventsByCategory(category :  
String, callback : EventCallback) : void  
+getEventsByLocation(location :  
String, callback : EventCallback) : void  
+getEventsByDateRange(startDate :  
String, endDate : String, callback :  
EventCallback) : void
```

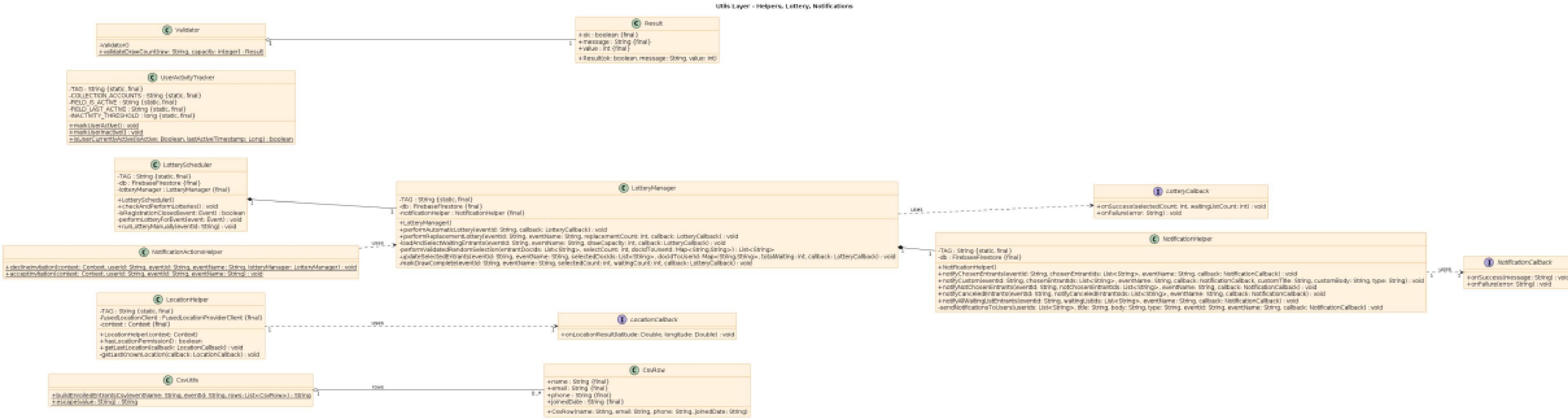
### I EventCallback

```
+onSuccess(events : List<Event>) :  
void  
+onFailure(e : Exception) : void
```

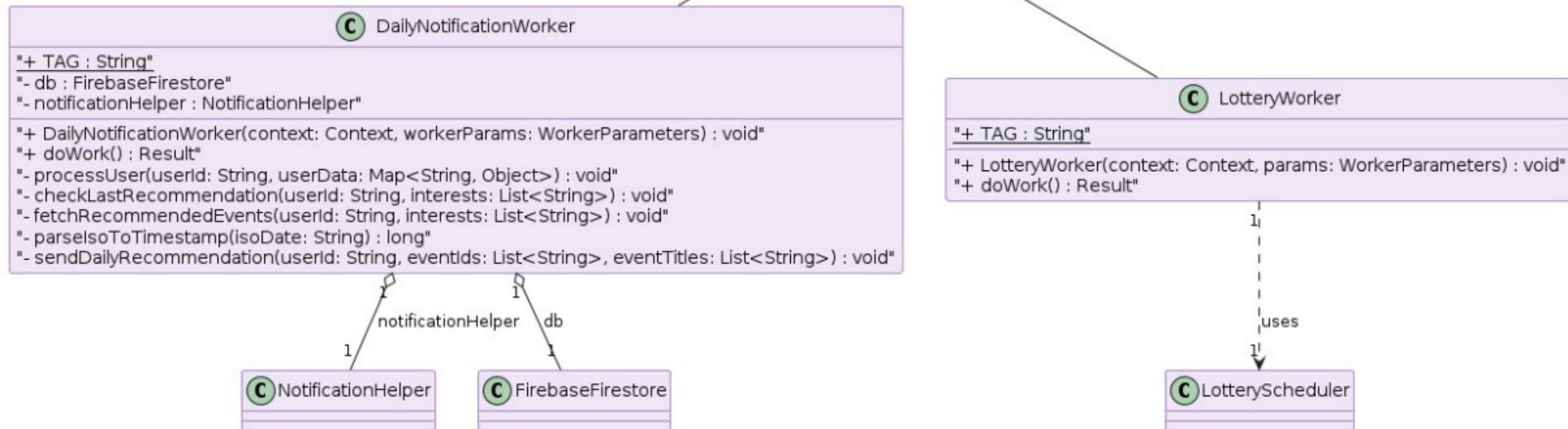
### C

### NotificationListenerService

```
-{static, final} TAG : String  
-{static, final} CHANNEL_ID : String  
-{static, final} SERVICE_CHANNEL_ID :  
String  
-{static, final}  
FOREGROUND_NOTIFICATION_ID : int  
  
-notificationListener :  
ListenerRegistration  
-db : FirebaseFirestore  
  
+onCreate() : void  
+onStartCommand(intent : Intent,  
flags : int, startId : int) : int  
-startForegroundService() : void  
-startListeningForNotifications() : void  
-showNotification(title : String, body :  
String, type : String) : void  
-createNotificationChannel() : void  
-createServiceChannel() : void  
-getCurrentUserId() : String  
+onDestroy() : void  
+ onBind(intent : Intent) : IBinder
```



## Workers



# ConnectApplication

## C ConnectApplication

-TAG : String  
-LOTTERY WORK NAME : String  
-DAILY NOTIFICATION WORK : String  
-activityCount : int

+onCreate() : void  
-scheduleAutomaticLotteryChecks() : void  
-scheduleAutomaticNotifications() : void

+onActivityCreated(activity: Activity, savedInstanceState: Bundle) : void  
+onActivityStarted(activity: Activity) : void  
+onActivityResumed(activity: Activity) : void  
+onActivityPaused(activity: Activity) : void  
+onActivityStopped(activity: Activity) : void  
+onActivitySaveInstanceState(activity: Activity, outState: Bundle) : void  
+onActivityDestroyed(activity: Activity) : void

