

### AddFacilityActivity

Class Name	AddFacilityActivity
Responsibilities	- Allow users to add or edit facility details.
	- Manage image upload and saving to Firebase.
Collaborators	- Facility
	- FirebaseFirestore
	- FirebaseStorage

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### AdminProfileActivity

Class Name	AdminProfileActivity
Responsibilities	- Display and edit admin profile information.
	- Save and load data using SharedPreferences.
Collaborators	- SharedPreferences

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### Attendee

Class Name	Attendee
Responsibilities	- Represents an attendee with fields for userID, name, and status.
Collaborators	- None

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### AttendeeAdapter

Class Name	AttendeeAdapter
Responsibilities	- Manage a list of Attendee objects in RecyclerView.
	- Handle user actions on attendees, like canceling attendance.

<b>Collaborators</b>	- Attendee
	- AttendingActivity

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### AttendingActivity

<b>Class Name</b>	<b>AttendingActivity</b>
<b>Responsibilities</b>	- Display attendees in different categories (waitlist, confirmed, cancelled).
	- Handle user actions, such as moving attendees between lists.
<b>Collaborators</b>	- Attendee
	- AttendeeAdapter
	- FirebaseFirestore

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### AvatarUtil

<b>Class Name</b>	<b>AvatarUtil</b>
<b>Responsibilities</b>	- Generate avatars based on the first letter of a name.
<b>Collaborators</b>	- EditProfileActivity
	- OrganizerProfileActivity

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### CreateEventActivity

<b>Class Name</b>	<b>CreateEventActivity</b>
<b>Responsibilities</b>	- Allow users to create a new event and generate a QR code.
<b>Collaborators</b>	- Event
	- BarcodeEncoder

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### EditProfileActivity

<b>Class Name</b>	<b>EditProfileActivity</b>
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<b>Responsibilities</b>	- Display and edit user profile information.
	- Handle profile image upload and data validation.
<b>Collaborators</b>	- AvatarUtil
	- FirebaseFirestore
	- FirebaseStorage

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### EntrantProfileActivity

<b>Class Name</b>	<b>EntrantProfileActivity</b>
<b>Responsibilities</b>	- Display and edit entrant profile information.
<b>Collaborators</b>	- FirebaseFirestore

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### EntrantsMapFragment

<b>Class Name</b>	<b>EntrantsMapFragment</b>
<b>Responsibilities</b>	- Display a map with markers for entrant locations.
<b>Collaborators</b>	- FirebaseFirestore
	- GoogleMap

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### Event

<b>Class Name</b>	<b>Event</b>
<b>Responsibilities</b>	- Represent event details, including name, date, attendees, and QR code link.
	- Manage a waiting list of users.
<b>Collaborators</b>	- WaitingList
	- UserProfile

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### FacilitiesAdapter

<b>Class Name</b>	<b>FacilitiesAdapter</b>
<b>Responsibilities</b>	- Display a list of facilities in a RecyclerView.
<b>Collaborators</b>	- Facility
	- ManageFacilitiesActivity

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### Facility

<b>Class Name</b>	<b>Facility</b>
<b>Responsibilities</b>	- Store information about a facility, such as name, location, and images.
<b>Collaborators</b>	- None

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### GroupEntrantsActivity

<b>Class Name</b>	<b>GroupEntrantsActivity</b>
<b>Responsibilities</b>	- Display entrants by group (waiting, selected, cancelled).
	- Send notifications to groups of entrants.
<b>Collaborators</b>	- NotificationService

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### HomeFragment

<b>Class Name</b>	<b>HomeFragment</b>
<b>Responsibilities</b>	- Display main screen content and navigation options.
<b>Collaborators</b>	- MainActivity

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## MainActivity

Class Name	MainActivity
Responsibilities	- Serve as the main entry point and navigation hub for the app.
Collaborators	- HomeFragment
	- QRScannerFragment
	- OrganizerProfileActivity

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## ManageFacilitiesActivity

Class Name	ManageFacilitiesActivity
Responsibilities	- Manage and display a list of facilities.
	- Handle facility creation and deletion.
Collaborators	- FacilitiesAdapter
	- Facility

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## ManageNotificationGroupsActivity

Class Name	ManageNotificationGroupsActivity
Responsibilities	- Manage notification settings for different entrant groups.
Collaborators	- GroupEntrantsActivity

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## MyFirebaseMessagingService

Class Name	MyFirebaseMessagingService
Responsibilities	- Manage Firebase messaging, including fetching users for notifications.
Collaborators	- UserProfile

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### NotificationService

Class Name	NotificationService
Responsibilities	- Send notifications to users based on their preferences.
Collaborators	- UserProfile
	- NotificationUtils

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### NotificationUtils

Class Name	NotificationUtils
Responsibilities	- Manage notification channels and permissions.
Collaborators	- NotificationService

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### OrganizerProfileActivity

Class Name	OrganizerProfileActivity
Responsibilities	- Display and edit organizer profile information.
	- Provide options to manage notifications and facilities.
Collaborators	- AvatarUtil
	- ManageFacilitiesActivity
	- ManageNotificationGroupsActivity

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### OrgEventRepo

Class Name	OrgEventRepo
Responsibilities	- Store and retrieve events in a local repository.
Collaborators	- Event

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### QRScannerFragment

<b>Class Name</b>	<b>QRScannerFragment</b>
<b>Responsibilities</b>	- Handle QR code scanning for events.
<b>Collaborators</b>	- None

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### UserProfile

<b>Class Name</b>	<b>UserProfile</b>
<b>Responsibilities</b>	- Represent a user's profile information and preferences.
	- Store notification and waitlist preferences.
<b>Collaborators</b>	- WaitingList

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### WaitingList

<b>Class Name</b>	<b>WaitingList</b>
<b>Responsibilities</b>	- Manage a list of users waiting for an event.
<b>Collaborators</b>	- UserProfile
	- Event

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### WaitinglistActivity

<b>Class Name</b>	<b>WaitinglistActivity</b>
<b>Responsibilities</b>	- Display and manage the waiting list for an event.
<b>Collaborators</b>	- AttendeeAdapter