

**Usage Guide**

- Select an object to view the quick toolbar. You can use it to edit text, customize colors, create links etc.
- Use the (+) icon on **left bottom** to browse templates, shape libraries, icons and more
- You can add/remove libraries by clicking "Browse More Shapes" in shapes section. There are over 130 libraries to choose from.
- Use the toolbar appearing on the **top right** to add comments, notes, change shape properties, add custom fields etc.
- hover over the small icon on the bottom right on this sticky for more detailed instructions.!

**AdminProfileActivity**

- PREFS\_NAME: String
- sharedPreferences: SharedPreferences
- editTextName: EditText
- editTextEmail: EditText
- editTextDOB: EditText
- editTextContact: EditText
- buttonSave: Button
- checkBoxNotifications: CheckBox

+ onCreate(savedInstanceState: Bundle): void  
- loadUserProfile(): void  
- saveUserProfile(): void

**OrganizerProfileActivity**

- Attribute: Type
- + Attribute: Type
- Operation(): Type
- + Operation( args ): Type
- + Operation( args ): Type

**AvatarUtil**

- Attribute: Type
- + Attribute: Type
- Operation(): Type
- + Operation( args ): Type
- + Operation( args ): Type

**WaitingList**

- waitingList: List<UserProfile>
- random: Random

+ WaitingList()  
+ addWaiter(user: UserProfile, capacity: int): boolean  
+ removeWaiter(user: UserProfile): boolean  
+ sampleAttendees(numAttendees: int): List<UserProfile>  
+ getWaitingListSize(): int  
+ clearWaitingList(): void  
+ getAllAttendees(): List<UserProfile>

**EntrantsMapFragment**

- mapView: MapView
- googleMap: GoogleMap
- db: FirebaseFirestore
- + TAG: String

+ onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): View  
+ onMapReady(map: GoogleMap): void  
- fetchEntrantsLocations(): void  
+ onResume(): void  
+ onStart(): void  
+ onStop(): void  
+ onPause(): void  
+ onLowMemory(): void  
+ onDestroy(): void  
+ onSaveInstanceState(outState: Bundle): void

**HomeFragment**

<<use>>

- Methods: + onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): View

**NotificationService**

- BASE\_NOTIFICATION\_ID: int

+ sendNotification(user: UserProfile, context: Context, title: String, description: String): void  
+ optOutOfNotifications(user: UserProfile): void  
+ optInToNotifications(context: Context, user: UserProfile): void  
+ updateChosenFromWaitingListPreference(user: UserProfile, preference: boolean): void  
+ updateNotChosenFromWaitingListPreference(user: UserProfile, preference: boolean): void

**EntrantProfileActivity**

- TAG: String = "EntrantProfileActivity"
- PREFS\_NAME: String = "UserProfilePrefs"
- sharedPreferences: SharedPreferences
- db: FirebaseFirestore
- editTextName: EditText
- editTextEmail: EditText
- editTextDOB: EditText
- editTextContact: EditText
- dobTimestamp: Timestamp
- buttonSave: Button

+ onCreate(savedInstanceState: Bundle): void  
- loadUserProfileFromFirestore(): void  
- openDatePicker(): void  
- saveUserProfile(): void

**EventDetailsActivity**

- eventNameTextView: TextView
- dateTextView: TextView
- timeTextView: TextView
- descriptionTextView: TextView
- posterImageView: ImageView
- db: FirebaseFirestore
- eventId: String

+ onCreate(savedInstanceState: Bundle): void  
- loadEventDetails()

**Attendee**

- userID: String
- name: String
- status: String

+ Attendee()  
+ Attendee(userID: String, name: String, status: String)  
+ getUserID(): String  
+ setUserID(userID: String): void  
+ getName(): String  
+ setName(name: String): void  
+ getStatus(): String  
+ setStatus(status: String): void

**CreateEventActivity**

- eventNameEditText: EditText
- dateEditText: EditText
- timeEditText: EditText
- descriptionEditText: EditText
- maxAttendeesEditText: EditText
- maxWaitlistEditText: EditText
- geolocationCheckBox: CheckBox
- saveButton: Button
- db: FirebaseFirestore
- eventsRef: CollectionReference

+ onCreate(savedInstanceState: Bundle): void  
- validateInputs(): boolean  
- saveEvent(): void

**MainActivity**

- eventNameEditText: EditText
- dateEditText: EditText
- timeEditText: EditText
- descriptionEditText: EditText
- maxAttendeesEditText: EditText
- maxWaitlistEditText: EditText
- geolocationCheckBox: CheckBox
- saveButton: Button
- generateQRButton: Button
- bottomNavigationView: BottomNavigationView

+ onCreate(savedInstanceState: Bundle): void

**NotificationActivity**

- receiveNotifications: CheckBox
- chosenFromWaitingList: CheckBox
- notChosenFromWaitingList: CheckBox
- savePreferences: Button

+ onCreate(savedInstanceState: Bundle): void  
- getUserProfile(): UserProfile

**ManageNotificationsGroupActivity**

- buttonWaitingList: Button
- buttonSelectedEntrants: Button
- buttonCancelledEntrants: Button

+ onCreate(savedInstanceState: Bundle): void  
+ openGroupEntrantsActivity(groupType: String): void

**NotificationUtils**

- CHANNEL\_ID: String

+ getChannelId(): String  
+ createNotificationChannel(context: Context): void

**AttendeeAdapter**

- Attribute: Type
- + Attribute: Type
- Operation(): Type
- + Operation( args ): Type
- + Operation( args ): Type

**WaitingListActivity**

- recyclerViewAttendees: RecyclerView
- attendeesAdapter: AttendeeAdapter
- attendees: List<Attendee>
- db: FirebaseFirestore

+ onCreate(savedInstanceState: Bundle): void  
- loadNotChosenAttendees(): void

**AttendingActivity**

- recyclerViewWaitlist: RecyclerView
- recyclerViewCancelled: RecyclerView
- recyclerViewConfirmed: RecyclerView
- waitlistAdapter: AttendeeAdapter
- cancelledAdapter: AttendeeAdapter
- confirmedAdapter: AttendeeAdapter
- waitlist: List<Attendee>
- cancelledList: List<Attendee>
- confirmedList: List<Attendee>
- db: FirebaseFirestore

+ onCreate(savedInstanceState: Bundle): void  
- loadAttendees(): void  
+ moveToCancelled(position: int): void  
+ moveToConfirmed(position: int): void  
- updateStatusInFirestore(attendee: Attendee, newStatus: String): void

**Event**

- Attribute: Type
- + Attribute: Type
- Operation(): Type
- + Operation( args ): Type
- + Operation( args ): Type

**OrgHomePageActivity**

- createEventButton: Button
- eventArrayAdapter: OrgEventRepo
- eventDataList: ArrayList<Event>
- eventListView: ListView
- db: FirebaseFirestore
- eventsRef: CollectionReference

+ onCreate(savedInstanceState: Bundle): void  
- setupFirestoreListener(): void

**OrgEventRepo**

- context: Context
- eventRepo: ArrayList<Event>

+ OrgEventRepo(context: Context, eventDataList: ArrayList<Event>)  
+ getView(position: int, convertView: View, parent: ViewGroup): View  
+ updateEventDataList(eventDataList: ArrayList<Event>): void

**EditProfileFragment**

- Attribute: Type
- + Attribute: Type
- Operation(): Type
- + Operation( args ): Type
- + Operation( args ): Type

**GroupEntrantsActivity**

- textViewEntrants: TextView
- buttonSendNotification: Button
- groupType: String

+ onCreate(savedInstanceState: Bundle): void  
- loadEntrantsList(groupType: String)  
- sendNotificationToGroup(): void