Class Event	
Responsibility	Collaboratoration
Store and manage Event details     Track registration status and participants (waiting list and selected participants)     Manage organizer information     Decode and retrieve an image from a Base64-encoded string	<ul><li>User</li><li>WaitingList</li><li>FirebaseManager</li></ul>

Class Notification	
Responsibility	Collaboratoration
Represent notification data, including name, details, location, device ID, and event ID	<ul><li>Event</li><li>FirebaseFirestore</li><li>User</li></ul>

Class EventManager	
Responsibility	Collaboratoration
Send notifications to users about event status (e.g., selected for the event) Select a random user from the waiting list and move them to the chosen list for an event Update event data in Firestore, including moving users between the waiting and chosen lists	<ul><li>Event</li><li>FirebaseFirestore</li><li>Notification</li></ul>

Class NotificationPreferenceManager	
Responsibility	Collaboratoration
<ul> <li>Manage user notification preferences by updating the Allow Notification field in the Firestore users collection</li> <li>Provide a method to set whether a user allows notifications or not</li> </ul>	<ul><li>User</li><li>FirebaseFirestore</li></ul>

Class WaitingList	
Responsibility	Collaboratoration
<ul> <li>Manage the waiting list for events</li> <li>Add a user to an event's waiting list in Firestore</li> <li>Add a user to an event's chosen list in Firestore</li> </ul>	<ul><li>Event</li><li>User</li><li>FirebaseFirestore</li></ul>

Class FirestoreQueryHelper	
Responsibility	Collaboratoration
Query Firestore to get entrant list data (accepted, chosen, declined) for a specific event     Populate a list with the queried data and update the UI     Query Firestore to get all events organized by a specific user     Populate a spinner with event names for the user to select an event	FirebaseFirestore

Class Facilities	
Responsibility	Collaboratoration
<ul> <li>Store and manage an organizers facility data (name, location, info, picture)</li> <li>Associate the facility with an event, for users to view the data</li> </ul>	<ul><li>FirebaseFirestore</li><li>User</li><li>Event</li></ul>

Class User	
Subclasses: Entrant, Organizer, Admin	
Responsibility	Collaboratoration
Store user information (name, email, phone, account type, and device ID)	<ul><li>Event</li><li>WaitingList</li><li>FirebaseFirestore</li></ul>

Class Entrant	
Superclass: User	
Responsibility	Collaboratoration
<ul> <li>Store user information</li> <li>Keep track of events current signed up for (waiting list or selected</li> </ul>	<ul><li>Event</li><li>WaitingList</li><li>FirebaseFirestore</li></ul>

Class Organizer Superclass: User	
<ul> <li>Store user information</li> <li>Keep track of events that the User has organized</li> </ul>	<ul><li> Event</li><li> WaitingList</li><li> FirebaseFirestore</li></ul>

Class Admin	
Superclass: User	
Responsibility	Collaboratoration
<ul> <li>Store user information</li> <li>Allows user to have administrative powers over events, facilities etc.</li> </ul>	<ul><li> Event</li><li> WaitingList</li><li> FirebaseFirestore</li></ul>