

Class Name	Entrant
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Join a waiting list for a specific event. • Leave a waiting list for a specific event • Manage personal profile (name, email, optional phone number, profile picture) • Accept or decline event invitation • Receive notifications for event selections (win/lose lottery) • Scan QR code to sign up for events • Receive follow-up notifications (e.g., if another chance arises) 	<ul style="list-style-type: none"> • Event • Profile • Organizer

Class Name	Organizer
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Create new events with details (e.g., title, date, registration dates) • Manage personal profile (name, email, optional phone number, profile picture) • Generate unique QR code for event promotions • Manage event waiting lists (view, limit entrants) • Sample event participants from the waiting list • Notify chosen entrants for sign-up • Manage cancellations and resampling • View final event participant lists • Update event information (poster, date, etc.) 	<ul style="list-style-type: none"> • Event • Entrant • Admin • Profile

Class Name	Event
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Store event details (name, date, registration period, description): • Manage waiting list (add/remove entrants): • Track event status (open/closed, participant limit) • Handle QR code linking for event promotions • Store event poster image and updates • Collaborate with Organizer to select participants from the waiting list 	<ul style="list-style-type: none"> • Organizer • Entrant • WaitingList

Class Name	Profile
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Store and manage personal details (name, email, phone): • Manage profile picture (upload, remove, generate from name) • Link entrant data with events joined • Provide access to user preferences (notifications, profile updates) 	<ul style="list-style-type: none"> • Entrant • Organizer • Admin • Event

Class Name	Admin
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Remove events violating policy: • Remove entrant and organizer profiles: • Remove images and QR code data • Browse and manage events and profiles for policy enforcement • Maintain system integrity and handle user issues • Manage personal profile (name, email, optional phone number, profile picture) 	<ul style="list-style-type: none"> • Organizer • Event • Profile

Class Name	WaitingList
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Manage list of entrants for specific events: • Add entrants when they show interest in the even • Remove entrants who cancel or leave the waiting list • Select entrants for event invitations through random sampling • Notify Organizer about changes in the list (e.g., cancellations, re-sampling needed) 	<ul style="list-style-type: none"> • Event • Organizer • Entrant

Class Name	NotificationSystem
Responsibilities	Collaborations
<ul style="list-style-type: none"> • Send notifications to entrants about lottery results (win/lose) • Notify entrants if they are re-sampled due to a cancellation • Handle opt-out preferences for entrant notifications • Send event updates or reminders to entrants and organizers • Collaborate with other classes to trigger notifications 	<ul style="list-style-type: none"> • Entrant • Event • Organizer