

ManageSystem	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Manage event storage -Manage profile storage - Remove events -Remove user profiles -Remove uploaded images -Browse images, profiles, events -Notification logs -Role-based control -Check in updates -Coordinate QR code to event details 	Event UserProfile ImageService Notifications QRCode CheckIn LotterySystem

Organizer	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Create events -Generate QR code -Set registration period -View waiting list -Map entrants joining location -Enable/disable geolocation -Upload/update event poster -Set waiting list capacity -Trigger lottery draw + set sample capacity -Draw replacement entrants -View list of chosen/cancelled/enrolled entrants -Cancel non-enrolled/non-responding entrants -Export final list of enrolled entrants(CSV) -Send notifications to selected/cancelled/waiting entrants 	ManageSystem LotterySystem Notifications WaitingList Entrant QRCode Event ImageService Registration UserProfile CheckIn

LotterySystem	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Randomly select entrants from waiting list -Take into account event capacity -Take into account waiting list capacity -Handle replacements -Track selection status -Provide selection criteria/guidelines -Notify system when draw is complete -Prevent duplicates 	WaitingList Event Registration Notifications Organizer UserProfile Entrant

Notifications	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Send notifications to selected entrants -Send notifications to not selected entrants -Send notifications to entrants in waiting list -Send cancellation notifications -Registration deadline reminders -Option for entrants to opt out -Log notifications sent 	UserProfile LotterySystem Organizer ManageSystem Event Registration Entrant

Registration	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Confirm enrolment in an event -Track acceptance -Track deadline -Track registration status -Provide final list (to be exported) -Change status of selected entrant to confirmed 	Entrant Event UserProfile Notifications Organizer

ImageService	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Upload event poster -Update event poster -Delete images -Link images to event -Retrieve images for display 	Event Organizer ManageSystem

CheckIn	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Record attendance at event -Verify registration before check in -Store check in timestamp -Provide attendance list -Prevent duplicates -Update real-time attendance status 	Registration Event UserProfile Organizer ManageSystem

Event	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Show event details(name, description, time, facility/place, price) -Registration start and end times -The maximum capacity of attendees - Knows if geolocation verification is required -Link to its unique promotional QR code - Link to its event poster image -Link to its waiting list and final attendee list 	Organizer WaitingList QRCode Registration ImageService

Entrant	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Unique device id (login bypass) -Personal profile information (name, email, optional phone) -History of registered, selected, and attended events -Joins or leaves an events waiting list -Accepts or declines an invitation when chosen by the lottery -Manages notification preferences(opt-in/opt-out) -Scans QR codes to view event details 	<ul style="list-style-type: none"> WaitingList Registration Notifications Event UserProfile

WaitingList	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Knows the collection of entrants waiting for a specific event -Knows the total count of entrants currently on the list -Knows the geolocation data of where entrants joined from(if enabled) -Holds capacity limits set by the organizer -Adds new entrants to the list -Removes entrants who choose to leave -Provides the pool of entrants to the lottery system for sampling/drawing 	<ul style="list-style-type: none"> Entrant Event LotterySystem

QRCode	
Responsibilities	Collaborators
<ul style="list-style-type: none"> -Generates a unique scannable code (barcode/QR) for a specific event -Translates from scanned code data and the event's routing link/details 	Event