

ManageSystem	
Responsibilities	Collaborators
<ul style="list-style-type: none"> <li>-Manage event storage</li> <li>-Manage profile storage</li> <li>-Remove events</li> <li>-Remove user profiles</li> <li>-Remove uploaded images</li> <li>-Browse images, profiles, events</li> <li>-Notification logs</li> <li>-Role-based control</li> <li>-Check in updates</li> <li>-Coordinate QR code to event details</li> <li>-Allow users to see list of all the joinable events</li> <li>-Remove organizers who violate policies</li> </ul>	Event UserProfile ImageService Notifications QRCode CheckIn LotterySystem

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

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

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

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

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

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

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

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

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

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