

Event	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Contain ID, and details (name, venue, description, schedule, organizerID)</li><li>- Enforce registration window (open/close), capacity, and other limits</li><li>- Display waiting list size, and attendee list</li><li>- Store a link the QR code can reference, and a reference to the poster so it can be shown/edited.</li></ul>	<ul style="list-style-type: none"><li>- Organizer</li><li>- EventPolicy</li><li>- WaitList</li></ul>

EventPolicy	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Decide if joins are allowed based on event rules and geoverification</li><li>- Decide when the lottery is run, and how lottery replacement works when someone declines or cancels</li></ul>	<ul style="list-style-type: none"><li>- Event</li><li>- LotteryFunction</li></ul>

WaitList	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Add/remove entrant entries, prevent duplicates, enforce optional max size)</li><li>- Provide entries to lottery; publish size to event</li><li>- Store information for geolocation verification</li></ul>	<ul style="list-style-type: none"><li>- Event</li><li>- Entrant</li><li>- LotteryFunction</li></ul>

LotteryFunction	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Randomly samples a set amount of entrants from WaitList</li><li>- Avoid previously accepted/declined entrants, and handle replacement draws when a sampled entrant declines/cancels</li><li>- Produce invitation objects to sampled entrants</li></ul>	<ul style="list-style-type: none"><li>- WaitList</li><li>- Event</li><li>- Invitation</li><li>- NotificationService</li></ul>

Invitation	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Track status, time, deadlines, and notification state</li><li>- Enforce accept and decline rules, and idempotency</li><li>- Convert to attendee upon accepting</li></ul>	<ul style="list-style-type: none"><li>- Entrant</li><li>- Attendee</li><li>- Event</li><li>- NotificationService</li></ul>

Attendee	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Maintain linkage to Entrant and their status (accepted, declined/cancelled)</li></ul>	<ul style="list-style-type: none"><li>- Entrant</li><li>- Event</li></ul>

Organizer	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Create / update events</li><li>- Set registration period and limits</li><li>- Upload / update event poster</li><li>- Start lottery draw and manage entrants</li><li>- View entrants list or cancel entrants</li></ul>	<ul style="list-style-type: none"><li>- Event</li><li>- Entrant</li><li>- LoterryFunction</li><li>- WaitList</li><li>- Invitation</li><li>- NotificationService</li></ul>

Entrant	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Manage personal information and notification settings</li><li>- Join or leave waitlists</li><li>- Accept or decline invitations</li><li>- View personal status or history of events registered</li></ul>	<ul style="list-style-type: none"><li>- NotificationService</li><li>- WaitList</li><li>- Invitation</li><li>- Attendee</li></ul>

Admin	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Manage all users and events</li><li>- Remove inappropriate profiles or events</li><li>- Review logs of notifications</li></ul>	<ul style="list-style-type: none"><li>- Event</li><li>- Entrant</li><li>- Organizer</li><li>- NotificationService</li></ul>

NotificationService	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Deliver invitations, lottery results, and updates to entrants</li><li>- Send bulk messages to waiting lists</li><li>- Respect notification settings of the entrant</li></ul>	<ul style="list-style-type: none"><li>- Entrant</li><li>- WaitList</li><li>- Organizer</li></ul>

DatabaseManager	
Responsibility	Collaborator
<ul style="list-style-type: none"><li>- Stores and manages all entities' data</li></ul>	<ul style="list-style-type: none"><li>- Event</li><li>- Entrant</li><li>- WaitList</li><li>- Attendee</li><li>- Organizer</li><li>- Admin</li><li>- NotificationService</li></ul>

CRC Cards  
TEAM: Magpie