Event	
Responsibility	Collaborator
- Contain ID, and details (name, venue, description, schedule, organizerID) - Enforce registration window (open/close), capacity, and other limits - Display waiting list size, and attendee list - Store a link the QR code can reference, and a reference to the poster so it can be shown/edited.	- Organizer - EventPolicy - WaitList

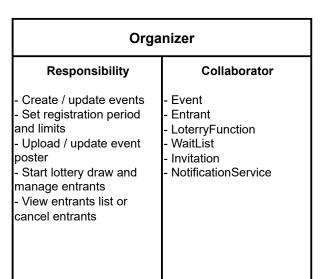
EventPolicy	
Responsibility	Collaborator
- Decide if joins are allowed based on event rules and geoverification - Decide when the lottery is run, and how lottery replacement works when someone declines or cancels	- Event - LotteryFunction

WaitList	
Responsibility	Collaborator
- Add/remove entrant entries, prevent duplicates, enforce optional max size) - Provide entries to lottery; publish size to event - Store information for geolocation verification	- Event - Entrant - LotteryFunction

LotteryFunction	
Responsibility	Collaborator
- Randomly samples a set amount of entrants from WaitList - Avoid previously accepted/declined entrants, and handle replacement draws when a sampled entrant declines/cancels - Produce invitation objects to sampled entrants	- WaitList - Event - Invitation - NotificationService

Invitation	
Responsibility	Collaborator
- Track status, time, deadlines, and notification state - Enforce accept and decline rules, and idempotency - Convert to attendee upon accepting	- Entrant - Attendee - Event - NotificationService

Attendee	
Responsibility	Collaborator
- Maintain linkage to Entrant and their status (accepted, declined/cancelled)	- Entrant - Event



Entrant	
Responsibility	Collaborator
- Manage personal information and notification settings - Join or leave waitlists - Accept or decline invitations - View personal status or history of events registered	- Invitation - Attendee

Admin	
Responsibility	Collaborator
 - Manage all users and events - Remove inappropriate profiles or events - Review logs of notifications 	- Event - Entrant - Organizer - NotificationService

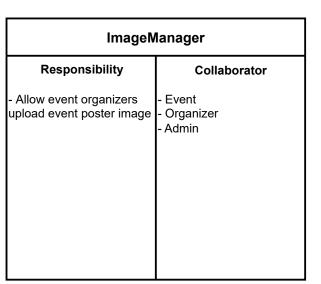
NotificationService	
Responsibility	Collaborator
Deliver invitations, lottery esults, and updates to entrants Send bulk messages to vaiting lists Respect notification settings of the entrant	- Entrant - WaitList - Organizer

DatabaseManager	
Responsibility	Collaborator
- Stores and manages all entities' data	- Event - Entrant - WaitList - Attendee - Organizer - Admin - NotificationService

GeoLocation	
Responsibility	Collaborator
- Stores and retrieves entrant location data - Validate Locations against event specific rules - Allow organizers to enable/disable location checks	- EventPolicy - Entrant - DatabaseManager

Profile	
Responsibility	Collaborator
Manage Entrant personal nfo Maintain a history of entrants registered events Handle entrant profile deletion requests	- Event - Entrant - DatabaseManager

QRCodeManager	
Responsibility	Collaborator
Scan QR codes to retrieve the event details Link the scan code to event details page and sign up pages	- Event - Entrant - DatabaseManager



CRC Cards TEAM: Magpie