

Class Event	
Responsibility	Collaborator
<ul style="list-style-type: none"> <li>• Store Event details</li> <li>• Manage waiting list</li> <li>• Manage list of selected participants</li> <li>• Notify selected participants</li> <li>• Handle cancelation</li> <li>• Update waiting list</li> </ul>	<ul style="list-style-type: none"> <li>• User</li> <li>• LotterySystem</li> <li>• FirebaseManager</li> </ul>

Class User	
Responsibility	Collaborator
<ul style="list-style-type: none"> <li>• Sign up for Events (join waiting lists)</li> <li>• Recieve lottery results</li> <li>• Create/manage Events (Organizer subclass only)</li> <li>• Manage users/events (Admin subclass only)</li> </ul>	<ul style="list-style-type: none"> <li>• Event</li> <li>• LotterySystem</li> <li>• FirebaseManager</li> </ul>

Class ImageUploader	
Responsibility	Collaborator
<ul style="list-style-type: none"> <li>• Allow Organizers to upload event images (posters, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Event</li> <li>• FirebaseManager</li> </ul>

Class LotterySystem	
Responsibility	Collaborator
<ul style="list-style-type: none"> <li>• Randomly select participants from an Event's list</li> <li>• Let organizers start the lottery process</li> <li>• Handle reselection if a participant declines</li> </ul>	<ul style="list-style-type: none"> <li>• Event</li> <li>• FirebaseManager</li> </ul>

Class FirebaseManager	
Responsibility	Collaborator
<ul style="list-style-type: none"> <li>• Store Event data, user info, and lottery results using firebase</li> <li>• Retrieve Event data, user info, and lottery results using Firebase</li> <li>• Update real time data</li> </ul>	<ul style="list-style-type: none"> <li>• Event</li> <li>• User</li> </ul>

Class QRScanner	
Responsibility	Collaborator
<ul style="list-style-type: none"> <li>• Scan QR codes to retrieve Event details</li> <li>• Provide functionality to join waiting list after scanning</li> </ul>	<ul style="list-style-type: none"> <li>• Event</li> <li>• User</li> </ul>