# **Legend**

## **Story points**

1-2: Easy, can be done less than in 30 minutes, all data on how to provide the request is known

3-4: Medium difficulty, will require more than 30 minutes, but less than 5 hours. Might require integration of some program such as a generator or a scanner, some data on how to provide the request might be uncertain.

5-6 - Hard. Amount of time is unknown, but will likely take less than a week. Will require integration or creation of a complex program such as a generator or a scanner. A lot of data on how to provide the request is unknown and will require research.h

6+: Very hard. Unknown amount required. Will require creation or integration of a highly complex program such as a generator or a scanner. Almost no data on how to provide the request is known.

## **Risk Level**

Low: Basic parts that are easily created and integrated. No risk can be found, nor can this part divert resources.

Medium: Somewhat complicated parts that will require careful integration. Some risks and danger exist and this part is likely to divert some resources.

High: Very complicated parts that will require thorough testing. A lot of risk is present due to complexity, and potential legal and ethical issues arise. By default requires resources to be diverted.

Very High: Highly complicated parts, in scope comparable to original project. Contain massive amounts of risk, and likely to have legal and ethical issues. By default will require as much resources as the original project.

# User

| US 01.01.01 As an entrant, I want to join the waiting list for a specific event  **Story Points:** 2  **Risk Level:** Low |
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| US 01.01.02 As an entrant, I want to leave the waiting list for a specific event  **Story Points:** 2  **Risk Level:** Low |
| US 01.02.01 As an entrant, I want to provide my personal information such as name, email and optional phone number in the app  **Story Points:** 1  **Risk Level:** Low |
| US 01.02.02 As an entrant I want to update information such as name, email and contact information on my profile  **Story Points:** 1  **Risk Level:** Low |
| US 01.03.01 As an entrant I want to upload a profile picture for a more personalized experience  **Story Points:** 2  **Risk Level:** Low |
| US 01.03.02 As an entrant I want remove profile picture if need be  **Story Points:** 1  **Risk Level:** Low |
| US 01.03.03 As an entrant I want my profile picture to be deterministically generated from my profile name if I haven't uploaded a profile image yet.  **Story Points:** 5  **Risk Level:** High |
| US 01.04.01 As an entrant I want to receive notification when chosen from the waiting list (when I "win" the lottery)  **Story Points:** 2  **Risk Level:** Low |
| US 01.04.02 As an entrant I want to receive notification of not chosen on the app (when I "lose" the lottery)  **Story Points:** 2  **Risk Level:** Low |
| US 01.04.03 As an entrant I want to opt out of receiving notifications from organizers and admin  **Story Points:** 1  **Risk Level:** Low |
| US 01.05.01 As an entrant I want another chance to be chosen from the waiting list if a selected user declines an invitation to sign up  **Story Points:** 1  **Risk Level:** Low |
| US 01.05.02 As an entrant I want to be able to accept the invitation to register/sign up when chosen to participate in an event  **Story Points:** 1  **Risk Level:** Low |
| US 01.05.03 As an entrant I want to be able to decline an invitation when chosen to participate in an event  **Story Points:** 1  **Risk Level:** Low |
| US 01.06.01 As an entrant I want to view event details within the app by scanning the promotional QR code  **Story Points:** 3  **Risk Level:** Medium |
| US 01.06.02 As an entrant I want to be able to be sign up for an event by scanning the QR code  **Story Points:** 3  **Risk Level:** Medium |
| US 01.07.01 As an entrant, I want to be identified by my device, so that I don't have to use a username and password  **Story Points:** 5  **Risk Level:** High |
| US 01.08.01 As an entrant, I want to be warned before joining a waiting list that requires geolocation.  **Story Points:** 1  **Risk Level:** Medium |

# Organizer

| US 02.01.01 As an organizer I want to create a new event and generate a unique promotional QR code that links to the event description and event poster in the app  **Story Points:** 3  **Risk Level:** Medium |
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| US 02.01.02 As an organizer I want to store hash data of the generated QR code in my database  **Story Points:** 3  **Risk Level:** Medium |
| US 02.01.03 As an organizer, I want to create and manage my facility profile.  **Story Points:** 1  **Risk Level:** Low |
| US 02.02.01 As an organizer I want to view the list of entrants who joined my event waiting list  **Story Points:** 1  **Risk Level:** Low |
| US 02.02.02 As an organizer I want to see on a map where entrants joined my event waiting list from.  **Story Points:** 4  **Risk Level:** High |
| US 02.02.03 As an organizer I want to enable or disable the geolocation requirement for my event.  **Story Points:** 4  **Risk Level:** High |
| US 02.03.01 As an organizer I want to OPTIONALLY limit the number of entrants who can join my waiting list  **Story Points:** 1  **Risk Level:** Low |
| US 02.04.01 As an organizer I want to upload an event poster to provide visual information to entrants  **Story Points:** 2  **Risk Level:** Low |
| US 02.04.02 As an organizer I want to update an event poster to provide visual information to entrants  **Story Points:** 2  **Risk Level:** Low |
| US 02.05.01 As an organizer I want to send a notification to chosen entrants to sign up for events  **Story Points:** 2  **Risk Level:** Low |
| US 02.05.02 As an organizer I want to set the system to sample a specified number of attendees to register for the event  **Story Points:** 2  **Risk Level:** Low |
| US 02.05.03 As an organizer I want to be able to draw a replacement applicant from the pooling system when a previously selected applicant cancels or rejects the invitation  **Story Points:** 2  **Risk Level:** Low |
| US 02.06.01 As an organizer I want to view a list of all chosen entrants who are invited to apply  **Story Points:** 1  **Risk Level:** Low |
| US 02.06.02 As an organizer I want to see a list of all the cancelled entrants  **Story Points:** 1  **Risk Level:** Low |
| US 02.06.03 As an organizer I want to see a final list of entrants who enrolled for the event  **Story Points:** 1  **Risk Level:** Low |
| US 02.06.04 As an organizer I want to cancel entrants that did not sign up for the event  **Story Points:** 2  **Risk Level:** Low |
| US 02.07.01 As an organizer I want to send notifications to all entrants on the waiting list  **Story Points:** 2  **Risk Level:** Low |
| US 02.07.02 As an organizer I want to send notifications to all selected entrants  **Story Points:** 2  **Risk Level:** Low |
| US 02.07.03 As an organizer I want to send a notification to all cancelled entrants  **Story Points:** 2  **Risk Level:** Low |

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# Admin

| US 03.01.01 As an administrator, I want to be able to remove events.  **Story Points:** 2  **Risk Level:** Low |
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| US 03.02.01 As an administrator, I want to be able to remove profiles.  **Story Points:** 2  **Risk Level:** Low |
| US 03.03.01 As an administrator, I want to be able to remove images.  **Story Points:** 2  **Risk Level:** Low |
| US 03.03.02 As an administrator, I want to be able to remove hashed QR code data  **Story Points:** 2  **Risk Level:** Low |
| US 03.04.01 As an administrator, I want to be able to browse events.  **Story Points:** 2  **Risk Level:** Low |
| US 03.05.01 As an administrator, I want to be able to browse profiles.  **Story Points:** 2  **Risk Level:** Low |
| US 03.06.01 As an administrator, I want to be able to browse images.  **Story Points:** 2  **Risk Level:** Low |
| US 03.07.01 As an administrator I want to remove facilities that violate app policy  **Story Points:** 2  **Risk Level:** Low |