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| --- | --- |
| FRONT | BACK |
| - Create new events and generate its QR code (US 01.01.01)  - Reuse the QR code for check-ins  (US 01.01.02)  -View list of attendees that are checked in (US 01.02.01)  - Send notifications to attendee (US 01.03.01)  - view how many times an attendee checks-in (US 01.09.01)  - Upload event poster (US 01.04.01)  - Track real-time attendance (US 01.05.01)  - Share generated QR codes (US 01.06.01)  - See location of attendee check-in (US 01.08.01)-> optional | -> Attendee  -> Administrator  \* Firebase  \* QR code generator  \* Geolocation (optional) |

**ORGANIZER**

**ATTENDEE**

|  |  |
| --- | --- |
| FRONT | BACK |
| - Scan QR code for check-in (US 02.01.01)  - Upload or remove a profile picture or have their photo deterministically generated (US 02.02.01), (US 02.02.02), (US 02.05.01)  - Update personal information (US 02.02.03)  - Receive notifications about event (US 02.03.01)  - View event details | -> Organizer  -> QR Code  -> Notification system |

**ADMINISTRATOR**

|  |  |
| --- | --- |
| FRONT | BACK |
| -Remove profiles, images, events  -Browse events, profiles, images | ->Organizers  ->Attendee |

|  |  |
| --- | --- |
| Front | Back |
| -Generate QR Code  -Scan/resue the codes | ->Organizer  ->Attendee |

**QR Code**

**Notification System**

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| --- | --- |
| Front | Back |
| -Send notifications to attendees (organizers will have ability to send)  -Alerts | ->Organizer  ->Attendee |

**Firebase**

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| --- | --- |
| Front | Back |
| - Store: event detail, check-in status. -Attendance, profile images, event posters | ->Organizers  ->Attendee  ->Administrator |

**Profile**

|  |  |
| --- | --- |
| Front | Back |
| Update user info and image | ->Attendee  ->Firebase |

**Image Management**

|  |  |
| --- | --- |
| **Front** | **Back** |
| -Upload, remove, browse images | ->Organizers  ->Attendee ->Firebase |

**Geolocation (optional)**

|  |  |
| --- | --- |
| Front | Back |
| -Verify if attendees are physically in the event during check-in (on map) | ->Organizer  ->Attendee -> Admin |