

| | |
|---|--|
| User | |
| Disable/Enable geolocation tracking hold information common to all users | Attendee (inherit) Organizer (inherit) Administrator (inherit) |
| | |

| | |
|---|---|
| Organizer | |
| Create or reuse QR codes Upload event posters Hold information about organizers – name, events they organized, etc. Geolocation verification | Event (creates) Attendee (can view list) DatabaseController |
| This class will extend the User class. | |

| | |
|---|----------------------|
| Attendee | |
| Keeps track of attendee information (like attendance) | Organizer (can view) |
| This class will extend the User class. | |

| | |
|--|----------------------------|
| Administrator | |
| Remove events, profiles, images Browse events, profiles, images | User DatabaseController |
| This class will extend the User class. It has special deletion privileges unique to the class. | |

| | |
|--|--------------------------------|
| Event | |
| Holds information about an event – the attendees, date, time, etc. | Attendee DatabaseController |
| | |

| | |
|---|---------------|
| UpdateInfoFragment | |
| Fragment for changing information | Event User |
| An abstract class, extended by other, more specific fragments that change information | |

| | |
|---|---------------------------------------|
| AlertSender | |
| Sends alerts and notifications to users | User AttendeeView OrganizerView |
| An abstract class, to be extended by more specific alert senders (like alerts to organizers vs. notifications to users) | |

| | |
|--|--|
| DatabaseController | |
| Sends information to the database Receives information from the database | Organizer OrganizerView Event AttendeeSettings QRFragment Administrator |
| An abstract class, to be extended by more specific database controllers (like updating/retrieving information about events, about users, etc.) | |

| | |
|--|-------------------------------------|
| QRGenerator | |
| Generates unique QR code according to need | OrganizerView DatabaseController |
| | |

| | |
|--------------------------|--------------------|
| AttendeeSettings | |
| Set/edit profile picture | DatabaseController |
| | |

| | |
|---|---|
| AttendeeView | |
| View events that attendee signed up for View profile picture | Event (join/leave/view) AttendeeSettings (view/change) DatabaseController |
| | |

| | |
|----------------------------------|--|
| OrganizerView | |
| View map/geolocation of attendee | |
| | |

| | |
|---|---|
| AdministratorView | |
| Can delete events Can delete profiles Can delete images | Event (can delete) Attendee (can delete) |
| | |

| | |
|------------------------------|--|
| QRFragment | |
| Scanning unique QR code | Attendee (add event) DatabaseController |
| User scanning unique QR code | |