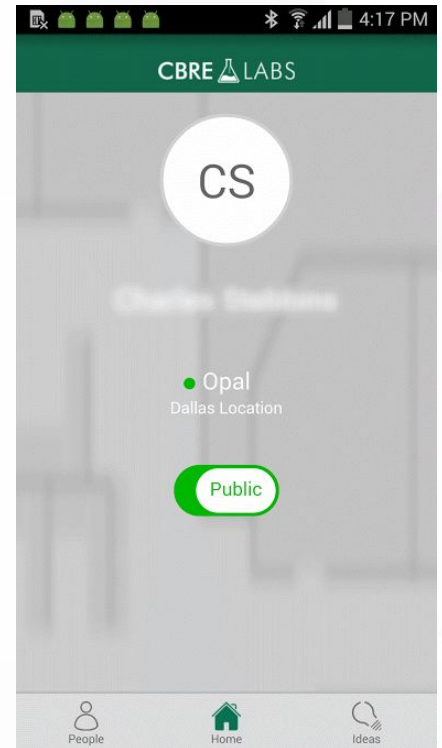
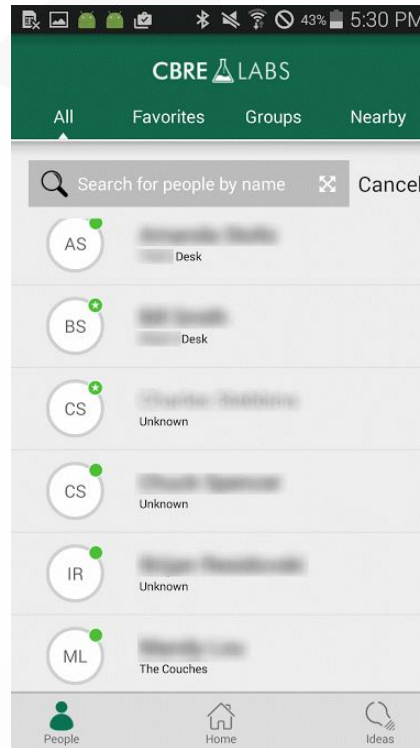
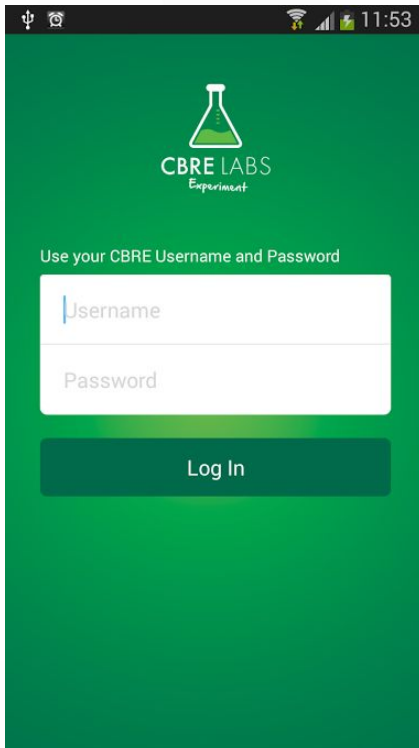


Indoor Navigation System



About the project:

CBRE is an Android application that allows to determine with high accuracy employee's location within a company. Indoor navigation technology enables managers and other staff members to have an immediate access to their colleagues.

The Challenge:

- Investigate and implement a new indoor navigation system using BLE Beacons;
- Maintain effective communication with the client throughout the whole development cycle.

Company's role:

ITRex Group was supposed to implement indoor navigation system using a new location-based technology Beacons which broadcast their ID to nearby Mobile devices. In order to completely fulfill the client's needs, our team followed Scrum methodology with 3-week sprint length and on-site presence.

Company's flexible approach throughout the development cycle allowed to investigate in details a cutting-edge technology and meet all client's needs.

Solutions:

- Development of Android application;
- Implementation of an location-based technology BLE Beacons;
- Location data processing using the location database;
- Integration with indoor maps provider – Micello.

Results:

- Implemented a high-quality navigation system for the company's office;
- Used a new technology Beacons allowing to indicate location with high accuracy and low energy consumption.