Project Description

OPENSESAME is a product which facilitates garage door access through a mobile application. It provides users with extended features including multiple access and wireless Bluetooth control, saving the trouble of carrying around multiple remote controllers.

“One less thing to carry, one less thing to lose!”
Technology Stack

Backend:
- Firebase
- NoSQL
- AngularJS
- Batch
Technology Stack

Frontend Web:
- HTML5
- Bootstrap
- CSS3
- AngularJS
- Angular Material Design
- Yeoman Generator
Technology Stack

Frontend Mobile Application:
- Java
- Android Studio
- Android Material
Functionality

Web:

- Administrator control over admins of gates (Add, Delete, View Admins)
- Admin add garage gate
- Admin view residents of garage gate
- Admin view access history of garage gates
- Admin delete garage gate
Garage Controller

- Bluetooth Module HC-05
- Arduino UNO
- Bridge Rectifier L298N
- Relay 12V
Functionality

Android:
  ◦ Add/revoke access of guests to garages
  ◦ View user’s access history and that of guests on his behalf
  ◦ View lists of garages that the user has access to
  ◦ Push notifications
Demo
THANK YOU