UniD is an electronic replacement of the current, physical access card. It is more secure, convenient, and expandable than its physical counterpart. UniD consists of two separate applications:

- **Students**: Mobile web application to obtain QR code and view information about school events and venues
- **Admins**: Android scanning application to verify students entering various university locales

### The Problem

#### Student Problems
- **Difficult to Retain**
  - Access cards are easy to lose
- **Destructible**
  - Physical cards are prone to real world damage and decay
- **Fragmented**
  - Information is scattered and difficult to find

#### Admin Problems
- **Expensive**
  - Replacement card fees cost money
- **Unsecure**
  - Easy for someone else to use a lost card

### Our Solution

#### Student Solutions
- **Easily Accessible**
  - Access cards are available 24/7 on the web
- **Permanent**
  - Virtualization of access cards prevents real world damage
- **Centralized**
  - All information is found in one location

#### Admin Solutions
- **Economic**
  - UniD replacement is free
- **Safe**
  - Clear ID picture hosted on a TLS server to prevent unauthorized access

### Tech
- **JIRA**
- **GitHub**
- **slack**
- **Android**
- **node js**
- **Google Maps APIs**
- **workday**
- **Firebase**
- **TLS**
- **Express**

### Structure

- **Student**
  - OAuth2 Authenticated REST Call
  - JSON
  - Node.js Server
  - Android Client
  - UNiD
  - Custom Objects
  - workday

- **Admin**
  - Native Library Call
  - DocRef

### Expansion
- **The Ohio State University**
- **UCSB**
- **LSU**

There is massive potential for UniD to grow due to its unified framework. Due to its electronic nature, we can add functions to the university ID without being bound by a physical barrier.

- **Within UCSB**: Opportunity to add features to Workday Student and native devices to accommodate more university services
- **Other schools**: Numerous complex services are already implemented in Workday Student and can be applied to any instance of UniD at any school.