Sound Off

Automated attendance tracking

Project description

Many teachers feel the need to require attendance by their students. Others are required by their school or district to do so. 5 minutes of roll call is 10% of class instruction wasted in a 50 minute class. We will create an attendance application that will allow teachers to automate attendance tracking in a way that is fast, secure, and accurate.

Team

I'm looking for one or two others to join our team.

Implementation

We plan to implement the MVP using an SQL, then migrate to NoSQL.

SQL

Not sure which relational database to use. Suggestions welcome!

No-SQL

Leaning towards using a key-value database once this business becomes so successful that it outgrows SQL databases.

Business

Once our product is viable, we could offer a subscription based service for one year of attendance tracking. This can be sold for a single class, several classes for a teacher, an entire

school, a district, a state, etc. The state of Utah allocates approximately $4 billion every year towards education. An app that increases class instruction time by 10% would be a game changer.

Operation

The founders will operate the application until it becomes more successful, at which time we will hire a staff, led by a Chief Operating Officer (COO) to ensure value to our customers.

Legal

The business will be a Utah LLC.

Technical

Our priorities will be:

1. Determine how to track attendance (options include but are not limited to: NFC, geo fence, time fence, QR codes, and combinations of all)

2. Choose an initial SQL database for a prototype

3. Choose both client-side and server-side programming languages

4. Implement the MVP

Social

We will gain customers by first test trialing our product with professors at BYU, then using word of mouth and contacting other schools once we have a reliable product.