**LedGen ©**

*BlueTax Inc.’s, proprietary software solution to create and maintain a database of Leads.*

**Objective:**

Automate the lead creation and create a database of leads that can be sanitized and maintained by the firm. The data gathered can be used directly to increase clientele base.

**Technical Specifications:**

***Proposed Technologies:***

1. ***Python***
   1. Used for backend processing.
   2. Web scraping, and database interaction will be handled in python.
   3. Open source technologies will be used and do not require prior licensing
2. **Mongo DB**
   1. Mongo db is an open source(free) database solution.
   2. The benefit in using Mongo lies in the ability to store complex data types that are easily retrieved.
   3. There is value in storing pdf documents (public tax lien documents). We will use mongo db to facilitate this.
3. **Sql Lite** 
   1. Open source (free)traditional relational database
   2. Number one used database
   3. Used to store records found via web scraping
4. **Google sheets**
   1. Currently used to store websites and instructions for web scraper
   2. This is the source of the logic for the web scraper

Phase 1- Solution Design

***Interface***

Simple desktop GUI (windows)

1. **Input from user**
   1. County/Region (ie. Fresno)
   2. Start date
   3. End date
2. **Submit button**

**Scraper**

Store the name in the database with the tax lien information (possibly pdf)

**Use the names extracted and find contact info.**

We need to design an efficient method to take someone’s name and discover his or her contact information.

1. We can use the Google api to search names
2. Zoom info
3. Discoverorg