


Alliant #1: Act Like A Fraudster

Sponsor
Alliant National

Team Members
Zachary Cook, Daniel Evarone, Isaac Kou,
Diego Marrero, Walker Narog, Shuchi
Shah, Joseph Westley

Title Fraud



Identity Theft
Payment Interception
Forged Deeds
and more...

Our project is concerned with title insurance and protections against title fraud.

So ...

What Are They?

Title – evidence of owner's claim to real estate

Title Insurance – insures the buyer against possible threats to their ownership from previous title holders

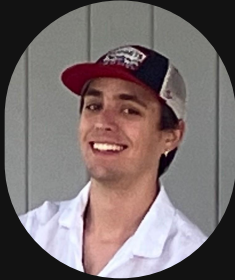


Why Does This Matter?



- In 2022, businesses lost \$446 million to a single form of title fraud.
- In 2023, over half of real estate agents reported experiencing a title fraud attempt.
- Fraud cases will only continue to increase.

Act Like A Fraudster Team



ZACH
COOK

Database Engineer



DANIEL
EVARONE

Test Engineer



ISAAC
KOU

Security Engineer



DIEGO
MARRERO

Project Manager



WALKER
NAROG

Security Engineer



SHUCHI
SHAH

Security Engineer



JOSEPH
WESTLEY

Front-End Developer

Communication

Team Meetings

Recurrent (weekly) in-person meetings

Asynchronous discussions through:

- Discord
- Text messaging

Sponsor Meetings

Meetings with different Alliant National employees to gain insight on project.

- David Sinclair, CEO
- Mauri Hawkins, Claims Expert
- Vinod Vinod, Software Dev

TA Meetings

Biweekly meetings with our TA, David Baines, discussing:

- Progress from past 2 weeks
- Current challenges
- Plans for next 2 weeks

Our Goal

Work with title insurer Alliant National to alert agents to possible avenues of fraud.

Our Sponsor



ALLIANT
NATIONAL
TITLE INSURANCE COMPANY



● Background

- Founded in 2005
- Colorado-based company
- Headquartered in Longmont
- Independent title insurer

● Mission

- “Empower independent agents while protecting property owners with secure title insurance.”

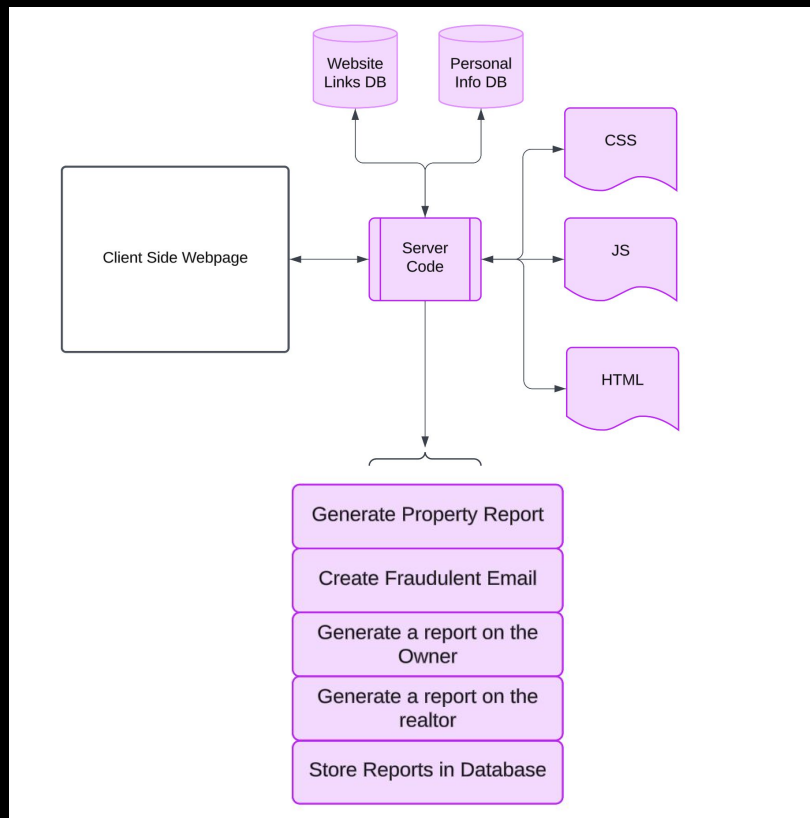
● Motivation

- Identify and avoid title fraud, for both agents and customers

The What

The Solution

We are creating a website that shows users exactly what data fraudsters can easily collect on land parcels and properties, as well as how that data can be used maliciously.



Our Website

Our Website will prepare a report detailing information needed to commit title fraud and generate fraudulent emails that can potentially be used to perform fraud.

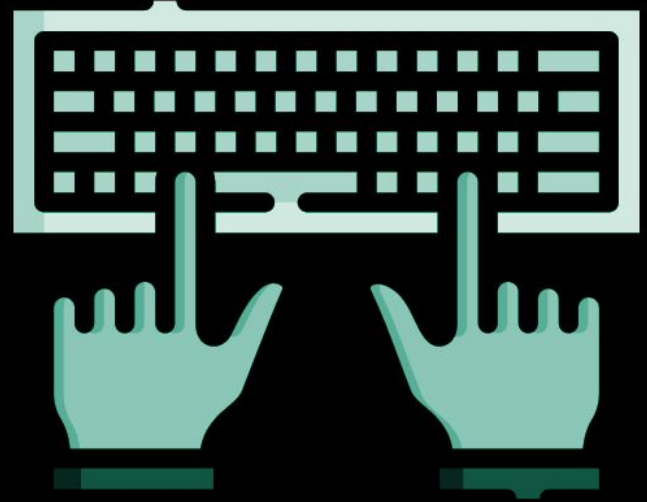
Webpage contains:

- A mainpage
- Databases
- Email address generation
- Email draft generation

Input

The user inputs basic information about an individual and/or property. This would be either

- Name (of individual)
- Address / Parcel Number (of property)



Output

Personal Profile

Based on the individual name, the web scraper returns related information, which is then processed and returned as a personal profile containing:

- Name
- Contact information
 - Phone number
 - Email address
 - Mail address
- Occupation
 - Realtor → license

Output

Property Profile

Based on the property address or parcel number, the web scraper returns related information, which is then processed and returned as a property profile containing:

- Title transfer
- Property history
- Deed
- Property tax records
- Home inspection report (if house)

What we've done so far

Current Status

Listings - Fraud Portal

Search History

Old 32 Ranch

\$254500

Location: Blanco, TX

Type: Vacant Lot

Lot Size: 5.1 acres

Bedrooms: 0

Bathrooms: 0

Square Feet: 0 sqft

Details: Stunning Agriculturally Exempt lot

Owner: John Beauchamp, 67

Email: jbeauchamp@realty.com

Phone: 512-917-8570

Address: 25 Auburn Ridge, Spring Ranch, TX 78070, USA

Currently, we have a prototype web scraper completed, as well as a basic website template

What we are keeping in mind



Risks

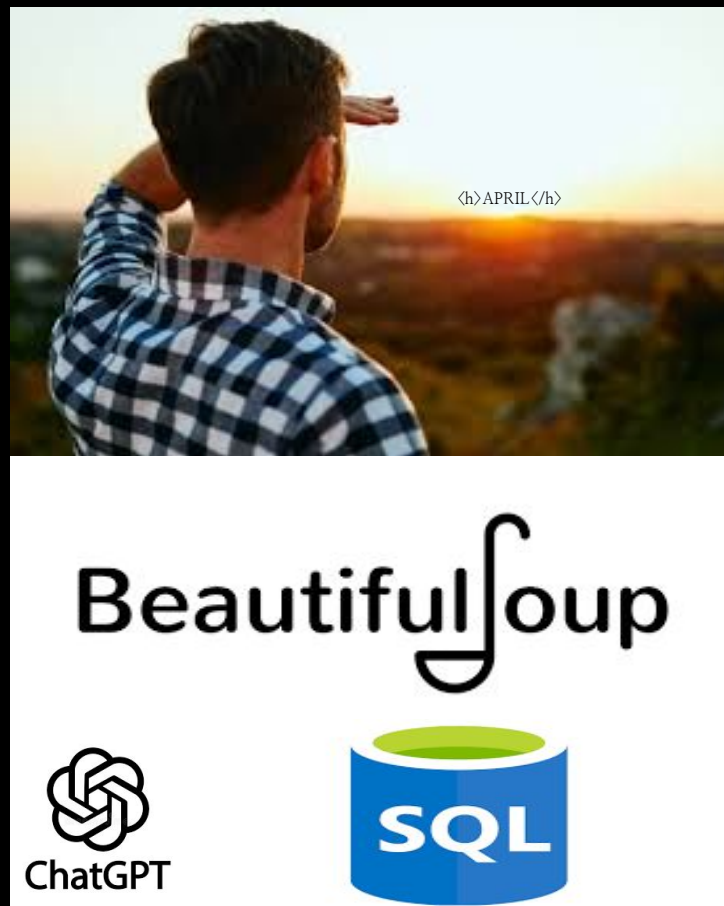
The biggest risks we face at the moment:

- Gathering Data
- Compatibility
- Legality

Where We're Going

Looking Forward

- Web Scraper
- Database
- Webpage
- AI Integration



Objectives (REFERENCE FOR BUILDING THE SLIDES, DELETE THIS)

- Introduce your team to the class
- Introduce your project to the class

General Flow (REFERENCE FOR BUILDING THE SLIDES, DELETE THIS)

- Introduce the problem as a hook
- Introduce your team to the class
 - Explain meeting plans and communication plans
- And We're excited to partner with Alliant National
- Introduce your project to the class
 - High Level answer to solution (Website that...)
 - Info about website (Hosted where, available to who)
 - Basic Web Stack Diagram
 - Go Feature by Feature on what info we plan to show
 - Current Status
 - Risks (Data, Potential Legal Stuff, upkeep)
 - Throw in GANTT Chart maybe, just to show what future looks like