

Don't Get Screwed By Housing

---Project Description---

How this is different from the “house_buying” project: This tool compares rental contracts NOT homes. This is a tool to compare your contract against what is on the market, NOT to compare one contract to other contracts you manually enter.

We will be producing a service that helps users compare a single housing contract against the current rental market.

Users will visit our ghetto website/app/GUI, enter some facts about their contract, and receive an evaluation of their contract. They may also receive a suggestion about a different rental contract to consider.

For the sake of convenience, we will work only with married housing in the Provo, Orem, and Springville areas because there is more variety to the types of rentals, prices, utilities, and locations. Comparing married housing rentals will be more fun.

We will retrieve most of our data from Facebook Group Listings, Facebook Marketplace listings, privatized married apartment complexes, BYU married housing complexes, and KSL listings.

---Team---

One or two other people. Or three if we *really* like you 😊

Requirements:

- Be really chill
- Contribute equally #dontBeAFreeLoader
- Have a strong gif game
- Focus while collaborating so we can get back to Netflix ASAP
- Turn work in on time
- Sober, sane, non-dramatic
- Be willing to work long hours, get zero pay, receive no benefits, and do tons of heavy lifting

---Databases---

Probably will use document databases. We will query based off what the user values in a contract.

Relational SQL

SQL Lite sound good to you guys?

Tables:

- Financial Information
 - Utilities cost, monthly rent, utilities included, security deposit amount, etc.
- Location Information
 - City, miles from campus, miles from nearest temple, miles from grocery store, miles to nearest park

- Rental Unit Information
 - Property type, basement or above ground, dishwasher included or not, furnished or not, on-site parking, etc.
- Background information
 - Private or commercial landlord, contract length, married or family ward, up-to-date-ness of apartment, etc.

No-SQL Document Based DB

Let's do MongoDB. Everyone uses it. Pretty easy to learn.

---Project Philosophy---

Since the point of this class is to focus on databases modeling concepts, let's not care at all about GUI/UI. Let's keep things crazy simple and really put the *minimal* in **Minimal Viable Product**.

---Business---

This will be a free service to everyone. Profit will come from non-invasive ads serviced on the website/app/GUI.

---Legal---

Yup. Totally legal...

---Technical---

Stages

1. Design tables for database
2. Determine how we will compare contracts
3. Pull tons of rental data from sources
4. Build a very ugly website/app/GUI that executes the queries and services the data