Unit 5: 3 Ideas that will make my website better using JavaScript
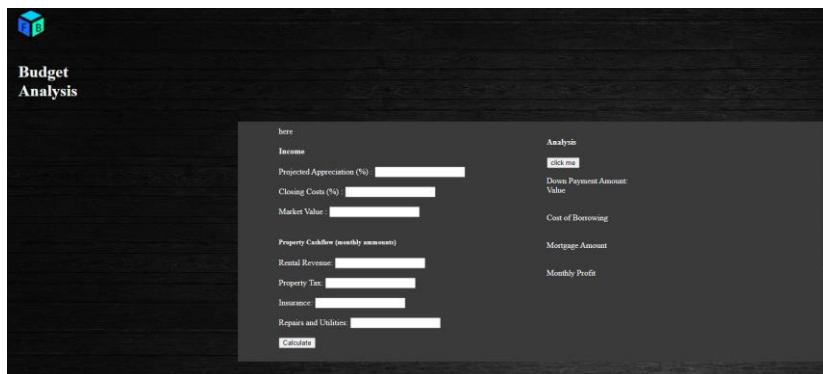
Idea 1: Project Management

Investing in real estate is more than just buying a house and living in it. Many individuals are in purchasing properties for cashflow, some purchase to renovate and flip for a profit and a small few also go into real estate development and build houses and buildings. All 3 scenarios are considered large projects that involve large sums of capital with corresponding risk. For one to make money in this field their planning and organization must be on point. This functionality is catered mainly for Ron Mackenzie and Simran Kaur from the personas. Since one is an investor and the other is a first time home buyer and is on a budget.

JavaScript is about programming functions that utilize the computer's ability to preform actions thousands of times. One aspect to how JavaScript can help the website is by creating a simple Project Management Tool. This management tool will allow users to input different properties as Objects in JavaScript. Each Object will have different attributes describing the property, its purpose, purchase price, duration of holding, etc. Each Object will act as a project that will have sub tasks that the user wants to complete with the corresponding due dates. By having a structure like this it will help the user stay on top of their work and makes organization easier.

Idea 2: Finance Calculations

"You cannot improve what you don't measure," is one of my favorite quotes. It basically highlights the importance of managing your money. Whether you are a first-time home buyer, investor, entrepreneur, it is always a good idea to plan large purchases and really make sure the finances make sense. JavaScript allows users to output complex calculations with a simple click of a button. There are many financial Libraries for JavaScript that make it easier for developers to utilize. I have found a Mortgage Library that can output various types of ratios, percentages, and numbers that are useful information to the user. Once the user is displayed their interest amounts, appreciation, ROI, capitalization rate, price to rent ratio, etc. they will be able to make better purchasing decisions. Information like this is useful for all Joe, Ron and Simran from the personas.

Idea 3: Travel Cost Calculator

As Inflation and gas prices go up traveling becomes more and more costly. Saving on traveling costs as well as consciously planning routes that provide the cheapest travel costs are crucial. However, currently there are not many tools that allow you to calculate the cost of a trip. When purchasing a property, you may be expected to travel for hours in a day especially if you are a Real Estate Agent. In addition, if you own a business the travel and gas costs can be expensed to save taxes. This can only be capitalized if you are able to accurately calculate the travel cost.

Ideally, the user will input their current location and their location of travel, input their cars gas milage. Using JavaScript, it will then output the total cost for gas as well as their additional costs. This output can then be screenshotted or added to their personal books for record. I will be using Google Map's API to calculate the distance between the start and end location. The program will then calculate in the back end and output the final numbers. This information would be ideal for anyone travelling to see properties including Simran, Joe and Ron.

Travel Cost Estimator

To: [street, city, postal code]

From : [street, city, postal code]

Milage (L/100kms): [   ]

[Calculate]

Your rent estimate is:

number