**Capstone Project 1 - Milestone Report**

**Overview**

This project is for predicting the house prices in a community using historical data of the homes sold in that area. We are predicting not only the home prices but also identifying which variables are more important than others when a home is being sold.

Problem: To predict the house prices in a community using historical data of the homes sold in that area

Client: The client is a Real estate company which wants to use this project to identify which homes can be sold for higher profit margins and which ones would go for less.

Data set: The dataset is the 2016 Q4 Acquisitions data available from FannieMae’ s website. This is a public data set and is available for anybody’s consumption. This data set also has a performance data set which shows the performance of loans from the past. I used acquisitions data to predict the behavior of the loans but performance data set can be used for the same purpose as well.

### Initial Observations: This data set has approximately 63K rows distributed among 25 columns. Of these columns only 15 have a direct impact on the interest rate

### Code Analysis: The link to the project artifacts is given below.

### https://github.com/HabeebAMohammed/SpringBoard-DA-Career-Track/tree/master/Capstone%20Project%201