Project Proposal

1. What is the problem you want to solve?

The problem I want to solve for the capstone project 2 is the **Housing Price Prediction**. This project is to predict the housing prices in the given area considering various elements like whether the house contains car garage, swimming pool and how many bedrooms it contains and what is the dimensions of the building etc.

2. Who is your client and why do they care about this problem? In other words, what will your client do or decide based on your analysis that they wouldn't have done otherwise?

This project does not have a definitive client. But the analysis performed could be of use to anyone in the Real Estate Business (House Owners, Buyers, Tenets, etc.).

If we can make use of the data to find some insights from the past data and could possibly predict the future, many House Owners and Tenets could use this recommendation system on their own. Giving good recommendations directly entails one or many of the following:

1. Customers use the platform more frequently due to the quality and relevance of content shown to them.

2. Better User Experience. Customers do not relay on brokers and will search on their own according to their need and deed.

3. What data are you using? How will you acquire the data?

The data used in this project has been obtained from Kaggle and it is available in csv (Coma Separated File) format, the data set consists of 1460 instances of training data and 1460 of test data. Total number of attributes equals 81, of which 36 is quantitative, 43 categorical + Id and Sale Price.

4. Briefly outline how you'll solve this problem. Your approach may change later, but this is a good first step to get you thinking about a method and solution.

Housing prices are an important reflection of the economy, and housing price ranges are of great interest for both buyers and sellers. This project is to predict the housing prices in the given area considering various elements like whether the house contains car garage, swimming

pool and how many bedrooms it contains and what is the dimensions of the building etc. The goal of this project is to create a regression model that are able to accurately estimate the price of the house given the features.

5. What are your deliverables? Typically, this includes code, a paper, or a slide deck.

After completion of this project, I'll submit both code and report through the Google drive link.