**Real Estate Price Prediction**

**Description:** Use stock market data found in Kaggle for all inventories in the USA and predict the price of any given property after taking input from the user.

**Tech stack:**

* Python (libraries – pandas, matplotlib, scikit-learn)
* Html
* CSS
* JavaScript
* AWS (to deploy code into production)

1. Data source pulled from Kaggle - <https://www.kaggle.com/datasets/ahmedshahriarsakib/usa-real-estate-dataset/data>
2. Steps involved
   1. Data cleaning
   2. Feature Engineering (Add additional columns as per requirements, e.g. add a price\_per\_sqft column)
   3. Outlier detection and removal (e.g. removal of anomalies in data like removal of total square feet of house / bedroom < 300)
   4. Create an HTML page (Use css and Javascript as well) and get input from the user (example page below).
   5. Display the price prediction to user based on his selected criteria.

A house with a sign in the front

Description automatically generated with medium confidence