**Final Project-Part 3**

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**Purpose/audience:**

Our app will help buyers find the estimated house price in California depending on the features they need.

**App architecture:**

Our app was created using the python streamlit application. We have a three page app.   
1. Home Page

2. EDA Page: Displays a portion of our EDA for the project conducted during Part 2

3. Interactive: This allows a user to give inputs to receive a predicted price using our Linear Regression Model (Best Model)

4. The code was built using a GitHub repo where each team member contributed to their branch which was eventually merged to the main branch.

**Functionalities:**

The app shows a comprehensive view of our model to predict house prices

1. EDA – It shows an EDA page to showcase a summary about some key charts (scatterplot and histogram) and their analysis
2. Interactive – Lets the end user input some feature variables and to view the predicted house prices based on their inputs
3. Model choice – Linear regression is a simple model that can be leveraged to predict house prices and establish the relationship between key input variables and the predicted house price.

**App and link to github (if the app only working locally - state in the issues section)**

Our app is only working locally due to the unavailability of free hosts.

**Issues/Contributions**:

We faced issues in running visualizations directly with streamlit.

**Reference**:Note- cite resources that were used to build the app (including using copilot/chatgpt/gemini or other tools to help debug and optimize).