

Phase 2,

Design Thinking:

- Data Source: Choose a dataset containing information about houses, including features like location, square footage, bedrooms, bathrooms, and price.
- Data Preprocessing: Clean and preprocess the data, handle missing values, and convert categorical features into numerical representations.
- Feature Selection: Select the most relevant features for predicting house prices.
- Model Selection: Choose a suitable regression algorithm (e.g., Linear Regression, Random Forest Regressor) for predicting house prices.
- Model Training: Train the selected model using the preprocessed data.
- Evaluation: Evaluate the model's performance using metrics like Mean Absolute Error (MAE), Root Mean Squared Error (RMSE), and R-squared.