# Action Plan for the House Price Prediction Project

## Project Goal

Build an accurate house price prediction model using advanced regression methods.

## Data Acquisition

Use Boston Housing or Kaggle House Prices dataset.

## Environment Setup

Python with Pandas, NumPy, Scikit-learn, XGBoost, Matplotlib, Seaborn.

## EDA & Preprocessing

Analyze features, handle missing values, encode categorical data, scale numerical features, and create polynomial features.

## Modeling

Implement Polynomial, Ridge, Lasso, Random Forest, and XGBoost regressors. Perform feature selection and hyperparameter tuning.