Project Proposal

Description

This is a Machine Learning-based project where we predict the pricing of houses based on various factors such as locality, the house's current condition, and its exterior and interior features. A regression model will be trained on the training data which will be served through a Django API. This API will return the prediction of the house price based on the input parameters.

Collections

A brief description of the data schema in which data will be stored in collections.

Collection Name	**Description of the collection**	**Key-Value Pairs**	**Who will work**
localityDescription	Specifies the neighbourhood and vicinity of the house	Id, MSSubClass, MSZoning LotFrontage, LotArea, Street Alley, LotShape, LandContour, UtilitiesLotConfig, LandSlope, Neighborhood	
housingConditions	Specifies the current condition of the house	Id, Condition1, Condition2, BldgType, HouseStyle, OverallQual, OverallCond, YearBuilt, YearRemodAdd	
exteriorFeatures	Specifies the exterior features that are available and their conditions	Id, RoofStyle, RoofMatl, Exterior1st, Exterior2nd, MasVnrType, MasVnrArea, ExterQual, ExterCond, Foundation, BsmtQual, BsmtCond, BsmtExposure, BsmtFinType1, BsmtFinSF1,	

		BsmtFinType2, BsmtFinSF2, BsmtUnfSF, TotalBsmtSF, GarageType, GarageYrBlt GarageFinish, GarageCars GarageArea, GarageQual GarageCond, PavedDrive WoodDeckSF, OpenPorchSF EnclosedPorch, 3SsnPorch ScreenPorch	
interiorFeatures	Specifies the interior features that are available and their conditions	Id, tHeating, HeatingQC, CentralAir, Electrical, 1stFlrSF, 2ndFlrSF, LowQualFinSF, GrLivArea, BsmtFullBath, BsmtHalfBath, FullBath, HalfBath, BedroomAbvGr, KitchenAbvGr, KitchenQual, TotRmsAbvGrd, Functional, Fireplaces, FireplaceQu, PoolArea, PoolQC, Fence MiscFeature, MiscVal, MoSold, YrSold, SaleType	