# COMP9321 Assignment2 Single Page Document

## Group All Pass

In the API of group All Pass, the main problem we've solved is: Help people who need to buy or sell a house to predict the price of their house.

This API is mainly intended for use with real estate agents. They can use this API to predict house prices for their customers. There are 10 options to choose from (number of rooms, type, method, region name, distance to the CBD, number of bedrooms, number of bathrooms, number of parking spots and land size), some are required, some are optional.

For a buyer, firstly, they need to enter the conditions of the house they want to buy into the web page (base on HTML with JS) and click the Start Predict button. After server machine learning, we will return a predicted price to the web page. The predicted price is a collection of datasets from two real estate agents in Melbourne. This means that the price is very referential. When buying a house, the buyer can use this predicted price to determine whether the actual price is reasonable or not.

For sellers, similarly, they enter information about their house to get the predicted price. When they sell their house, they can make reference to the predicted price to set the real price.

This is our API. We hope to increase the transparency of house prices through our API. It can give buyers and sellers a better reference.