|  |  |
| --- | --- |
| THE BIG ORANGE | Real estate website for analysing and prediction of property prices  RAJVARDHAN DAS  MAYANK KEDARE  GANESH PATIL  ADITYA SHINDE |

DESCRIPTION

A one-of-a-kind web application that accurately guides the user into apt and suitable property selection according to the needs and preferences of the user.

The project precisely predicts the fluctuations in the prices and rents of the properties and sends results to the user via Email and SMS.

There will be a sign up and login authentication feature to ensure data security.

The user can log on to the website, enter their preferences such as:

* Number of bedrooms
* Locality
* Price range
* Distance from offices / public services
* How many students there are per teacher in local schools  etc.

The program will then search and display the results that satisfy the entered conditions, these results will also be mailed and messaged to the user for noting and recalling purposes.

The project will have an interactive GUI that is visually appealing and easy to navigate.

The Estimation will be carried out as such:

1. Analyse and explore the city (Boston/ New York/ California/ Melbourne) house price data
2. Split the data for training and testing
3. Run a Multivariable Regression
4. Use the model to estimate a property price

It will contain interactional graphs that will show the history of prices of a property or the prices of properties in an area.

For marketing purposes, the project will also have an Instagram follower bot, in which we have to just make an account of our property finding website, put all the relevant advertising and promotional information and initialise the follower bot on a the account of a similar property finding company (such as magic bricks) and then the bot will send follow requests to all the followers of the company which will in turn act as a source of advertising so that people will get to know about our project and will hopefully start using it if it provides good services.

The email and sms services will be implemented using Flask.