

D.Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY, KASABA BAWADA, KOLHAPUR

A

Project1 Synopsis On

“Local Property Rental Listing Website”

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(DATA SCIENCE)

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## 1. Introduction

The real estate process can be time-consuming, frustrating and full of back-and-forth discussions between a seller. But, if you’re able to optimize the sales process, buying process, not only will you save time, you can close deals quicker. Not only that, handling the real estate sales process properly can ensure a seller, buyer will turn to you next time they want to sell or buy another property.

This project will make it easier and make the process of buying, selling and renting properties more efficient, less time consuming and creating a overall good experience. This will allow home owners, realtors, agents, builders can list their properties. This will allow the Seller and the Buyer to eliminate the middle-man (agent) charges and direct deals can be done.

This application will be available on two platforms:

1. Website

2. Mobile Application

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## 2. Problem Statement

Many people have been moving due to varieties of reason, such as jobs, internships, financial problems, and finding the basic need of living, ie Shelter is very tedious. Going through an agent or a meideator may also be a long process and may cost more.

## 3. Objectives

1. To Provide a platform to be able to buy, sell, rent properties efficiently.
2. To allow users to make buying, selling or renting properties easier, and less costly.
3. Provide a online market presence, to attract more and more users.
4. Provide filter, based on location, budget, duration of stay, etc.
5. Provide a Image and Video Gallery to allow experince the property better.



## 4. Proposed System Architecture

**Figure 1: Flow of Process (For Web Application)**

**Figure 2: Flow of Process (For Mobile Application)**

## 5. Modules

### Important Modules for Web Application Program:



Numpy: Used for making Linear Algebraic Calculation



Pandas: Used to read and prepare Data



Plotly: Used for Data Visualization



Kaggle: To Obtain latest Data

HTML

CSS

JavaScript

Django

MySql



## 6. System Requirement

Hardware Requirements:

1. Operating System: Windows/ MacOS
2. Processor: i3 and above
3. Ram: 2 Gb
4. Internet Access

Software Requirements:

* 1. Programming Language: HTML
  2. Tools and Libraries: Any Internet Browser
  3. IDE: VS Code

**7.** **Conclusion**

Our work will be able to provide more opportunities for big as well as small scale companies as well as indivisual home owners, to list their properties and make efficient deals, by attracting more customers and spreading and increasing their network.

This project will make it easier and make the process of buying, selling and renting properties more efficient, less time consuming and creating a overall good experience.



## 8. Reference

* https://www.webguru-india.com/blog/10-must-have-features-for-your-property-listing-website/



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Project 1 Synopsis On

“A Data Analysis on Netflix using Python”

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