“TO LET AGENCY WEB APP”

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1. INTRODUCTION

The Tolet Agency Web App is totally based on renting a house in a more efficient manner. Since the rising population and the need to rent a house has been a major issue. It has become difficult for people to search a rent as they have to go from door to door. Therefore, this system will make the task of the rentees easier as they can easily search for the rent they desire without any manual labour. With this web application they can easily filter and search for the rent they are looking for. It offers every services related to renting. It also provides a platform for the smooth and easy interaction between the user and the owner.

2. OBJECTIVES OF THE PROJECT

The prime objective of the "To Let Agency System" is to create a digital platform to communicate between the brokers or owners and the rentees. This system allows users can rent their properties online and rentees can easily find rent in an efficient manner. Some of the objectives that this system tries to achieve are-

- Development of a user-friendly system to make rental process efficient
- To develop a system that allows users to sell and rent their properties
- To allow users to find rent through the online platform reducing manual workload
- To establish efficient management, set up standards and minimize cost
- To locate rents easily and ensure quality services

3. EXISTING SYSTEM

The existing system is a manual system where the rental process is very tiring and time consuming. Brokers and owners put up rents for their properties but without proper advertisement, those properties remain unsold. On the other hand, one has to search every nook of the corner in order to find a proper rent and even after finding one, the requirements are hard to meet. Thus, the existing system is a lot more complex and there is no proper communication and management process.

4. PROPOSED SYSTEM

The existing system of rental process was a complex and time consuming one. The proposed system intends to overcome all the drawbacks of the existing system and make rental system efficient and less time consuming. The proposed system is a web application. It can be accessed from anywhere. The system overcomes mediators and builds a direct communication between the owner and the rentee. Owners can easily login into the system and rent up their properties. In the same way, users can find rents without going anywhere and look up the requirements beforehand and negotiate in a proper manner.

5. SYSTEM SPEIFICATION

5.1 Software Requirements

- Operating System – Windows 11
- Software – VS Code
- Front End – React(.js)
- For API – Express(.js), Node(.js)
- Back End – MongoDB

5.2 Hardware Requirements

- Processor – Intel I5
- RAM – 8GB
- Disk Space – 512GB
- System type – 64-bit operating system, x64-based processor

6. IMPLEMENTATION

The web application is to be developed using MERN stack.

In my project, I will be using MongoDB to store the data; it is a document-oriented No-SQL database used to hold back-end applications. I will use expressJS to handle the backend. Express is a layered framework; the responsibility of this is to take care of the structure and functionality of the back end and topped on Node.js, which makes Node-based Web app development much faster. I will be

using ReactJS to handle the frontend. React facilities the creation of a user interface on a single-page web application.

7. FUTURE PLAN

The future plan of this project includes the following:

- Development of a user-friendly app.
- Adding more features to the application.
- Search for rent in a preferred location.
- Overall management of rental process.

8. CONCLUSION

The project is to bring the rental process online and enabling rental industry participants to benefit from the internet. This project acts as an interface between individuals, brokers and realtors. With the help of this project, the manual rental system will be well organized and less time consuming.