

**Tribhuvan University**

**Faculty of Humanities and Social Science**

**PropertyLord web Application**

**A Proposal Report**

Submitted to

**Department of Computer Application**

**Swoyambhu Int’l College**

***In partial fulfilment of the requirements for the Bachelors in Computer* Application**

Submitted by

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**Suresh Tamang()**

**Feb-26-2024**

Under the Supervision of

**Mr. Sujit Gyawali**



**Tribhuvan University**

**Faculty of Humanities and Social Science**

**Swoyambhu Int’l College**

**Supervisor’s Recommendation**

I hereby recommend that this project prepared under my supervision by **Ronix Malla** & **Suresh Tamang** entitled “**PROPERTYLORD WEB APPLICATION**” in partial fulfilment of thee requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

…………………

**SIGNATURE**

Mr. Sujit Gyawali

**SUPERVISOR**

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**Tribhuvan University**

**Faculty of Humanities and Social Science**

**Swoyambhu Int’l College**

**LETTER OF APPROVAL**

This is to certify that this project prepared by **Ronix Malla** & **Suresh Tamang** entitled “**PROPERTYLORD WEB APPLICATION**” in partial fulfilment of the requirement of the degree of Bachelor in Computer Application has been evaluated. In our opinion it is satisfactory in the scope and quality as a project for the required degree.

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| --- | --- |
| **………………**  **SIGNATURE OF SUPERVISOR**  Mr. Sujit Gyawali  Department of BCA  Swoyambhu Int’l College  Lagankhel, Lalitpur | **………………**  **SIGNATURE OF HOD/ Coordinator**  Mr. Kishore Kafle  Department of BCA  Swoyambhu Int’l College  Lagankhel, Lalitpur |
| **………………**  **SIGNATURE of Internal Examiner** | **………………**  **SIGNATURE of External Examiner** |

**Abstract**

This system “**PROPERTYLORD**” will provide facility to the user to search Residential and Commercial property and view property. This system will provide facility to view the property by admin and user. User will be able to upload the property information to the site and able to manage it. This system will provide facility to the user to fill up their requirement and according to their Requirement Admin can add the Requirement property. This system was developed using PHP as (Backend) and HTML, CSS, JS as (Frontend).

The real estate business deals with the development of the property and the lease, rent or sale of establishment. It is one of the fastest growing enterprises in Nepal. It has potentially never-ending growth.

As the real estate agent, one has to maintain a lot of data. He is involved with the clients who has to lease out, rent or sale the property and with the customer who intends to buy, rent or lease the property. Hence it involves lot of information exchange.

The advent of computers can ease out this hassle. With help of our system “**PROPERTY LORD**” which allows faster search time, interaction. This system minimizes the risk of scams for buyers while maintaining fair commission rates. With the organized data storage system it allows faster search time and data manipulation. Indeed, the advent of RDBMS application can be a boom to the field of real estate.

**Acknowledgement**

Our earnest appreciation to the Supervisor **Mr. Sujit Gyawali** for directing me all through the arranging and advancement period of the framework. Without his vital role and direction, I would not have achieved the last phase of the improvement. We would also like to thank whole faculty of the college for their cooperation and important support. We would like to thank all other teaching staff for their valuable teaching and constant advice which made us to finish this project successfully. I would like to thank my close peers and classmates for being supportive and encouraging throughout the project development journey here in **Swoyambhu Int’l College.**

Finally, yet importantly, I would like to thank my family. Their endless support has been unconditional. Their hopes and faith on me had me keep going even when the days were challenging

We perceive this opportunity as a big milestone in our career development. We will definitely use these gained skills and knowledge to its best possible way, and we will continue to work on their improvement, in order to attain desired career objectives. Hope to continue cooperation with all of you in future

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# List of Abbreviations

|  |  |
| --- | --- |
| Abbreviation/ Acronym | Description |
| RMS | Real Estate Management System |
| HTML | Hypertext Markup Language |
| CSS | Cascading Style Sheet |
| PHP | Hypertext Preprocessor |
| WAMP | Cross-platform, Apache, MariaDB(MySQL), PHP |
| MS | Microsoft |
| MYSQL | Structured Query Language |
| DFD | Data Flow Diagram |
| IS | Information System |
| CRUD | Create, Retrieve, Update & Delete |
| CASE | Computer-aided System Engineering |
| CAPTCHA | Completely Automated Public Turning  Test to tell Computer & Human Apart |
| UML | Unified Modeling Language |

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# Chapter 1: Introduction of the Project

* 1. **Introduction**

With PropertyLord clients may fully utilize the potential of real estate applications in the digital age, thereby revolutionizing the real estate industry. In the current peak digitalization era, real estate trading is surging at a rate never seen before by dealers. In light of this, we are launching a multi-tenant system that will simplify the process of locating and renting a home, as well as purchasing and renting out lands and other types of properties.

With just a few clicks on our real estate application, you may find your ideal home! Welcome! We can assist you whether you're looking for a large family house in the suburbs, a comfortable apartment, or rooms in the city.

* 1. **Problem Statement**

Nowadays, purchasing or renting a home takes a lot of time. Making decisions and gaining knowledge about the location and values of properties takes a lot of time. It takes a long time to visit the property's location. Furthermore, after the purchase is sealed, the broker bears a great deal of responsibility.

Real estate buying and selling services are offered by a number of applications such as “dalaydai.com” .Upon examining this applications, we have discovered that some crucial elements are missing that are crucial for customers, such as requesting the necessary prerequisites before purchasing, selling, or renting real estate.

* 1. **Objectives**

This project aims to create a new system which will focus on having a user-friendly interface and a simplistic design which can be easily understood by any user.

Our objective is to carryout this project with the quality requirements as mentioned below:

* To offer an intuitive user interface for accessing further details about properties that are advertised.
* To shorten the time it takes to deal with real estate.
* To locate appropriate real estate based on client requirements
* To eliminate human errors and miscalculations from the process.

* 1. **Scope and Limitation**
     1. **Scope**
* Design the system to accommodate future growth and expansion.
* It supports the current process but centralizes it and makes it possible for decisions to be made earlier and easy way.
* This system allows people to post their property making it easier to sale.
* All the types of property listed in single place, easy to access and find.
  + 1. **Limitations**
* Cannot be used offline because it is an online program. So, internet connection is must.
* Basic computer knowledge is required to operate this system.
* Cannot receive feedbacks of buyer and sellers.
* Most of the features that must be included in real management system are not implemented.
* No payment gateways.

# Chapter 2: background Study and Literature Review

**2.1. Background Study**

Real estate refers to real, or physical, property, and can include land, buildings, rights above the land, and underground rights below the land. As a business term real estate also refers to producing, buying, and selling property.

In present system, most of people goes to agents who sales or provide rental properties and lands. People have to visit the organization with there requirement about the properties. This gives unnecessary burden to people who are willing to buy or rent properties, land and room. This system solves all the problem. This project will focus on providing high quality usability experiences to users mainly following Google’s user interface guideline.

This system helps in elimination of human error and miscalculations. And saves users time and money.

**2.2. Literature Review**

**Chapter 3: System Analysis and Design**

# Chapter 4: Features of the proposed system :

The proposed system has following features:

1.  User Registration

2. Login

3. View Properties

4.Search Properties

5. Get Properties Info

6. Add, Update, Delete Properties

7. Add, update delete, view category.

# Chapter 5: Methodology

The methodologies used to make the proposed system is given below:

## 5.1 Requirement analysis

### 5.1.1 Interviewing the clients

Conducting structured or semi-structured interviews with the users and property owners to gather their needs, preferences, and feedback.

## 

### 5.1.2 Study of existing system

Real estate buying and selling services are offered by a number of applications such as “dalaydai.com, <https://dalaydai.com/>” .Upon examining this applications, we have discovered that some crucial elements are missing that are crucial for customers, such as requesting the necessary prerequisites before purchasing, selling, or renting real estate.

## 5.2 feasibility study

Feasibility study of the proposed system is given below:

### 5.2.1 Technical feasibility

To develop the proposed system we have HyperText Markup Language(HTML), Cascading Style Sheet(CSS) and Javascript for frontend and HyperText Preprocessor(PHP) for the server side scripting which are Opensource and free to use.

Therefore, the proposed system is technically feasible.

### 5.2.2 Operational feasibility

To make the system work, we have various web hosting service providers for domain registration and web servers, as well as  Cpanels to manage and serve the listin properties within the system.

Therefore, the proposed system is operational.

### 5.2.3 Economical feasibility

Study of the Estimated cost to develop and deploy is affordable. We have various web servers to host the system at a low cost.

Upon the requirement of the System we can easily update the resources such as database size increment, servers increment  at an affordable cost.

Therefore, the proposed system is Economically feasible.

# 

# 5.3 Methodology used

The proposed system has well defined and constant requirements and no needs to increment or add new features so best software methodology for this system is waterfall system development model.

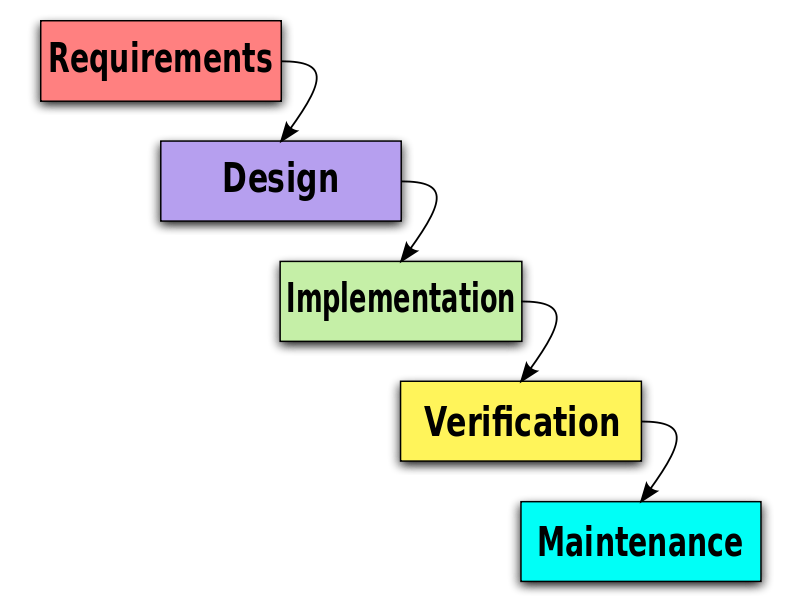
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Figure 1: Waterfall Methodology

## 5.4 Use case Diagram

Use case diagram for the proposed system is given below:

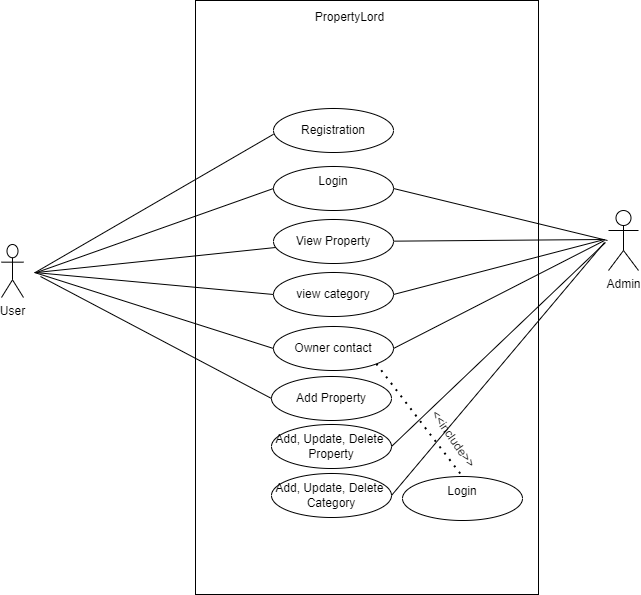


Figure 2: Use case diagram

## 5.5 Entity Relation (ER) Diagram

Entity Relation diagram for the proposed system is given below:

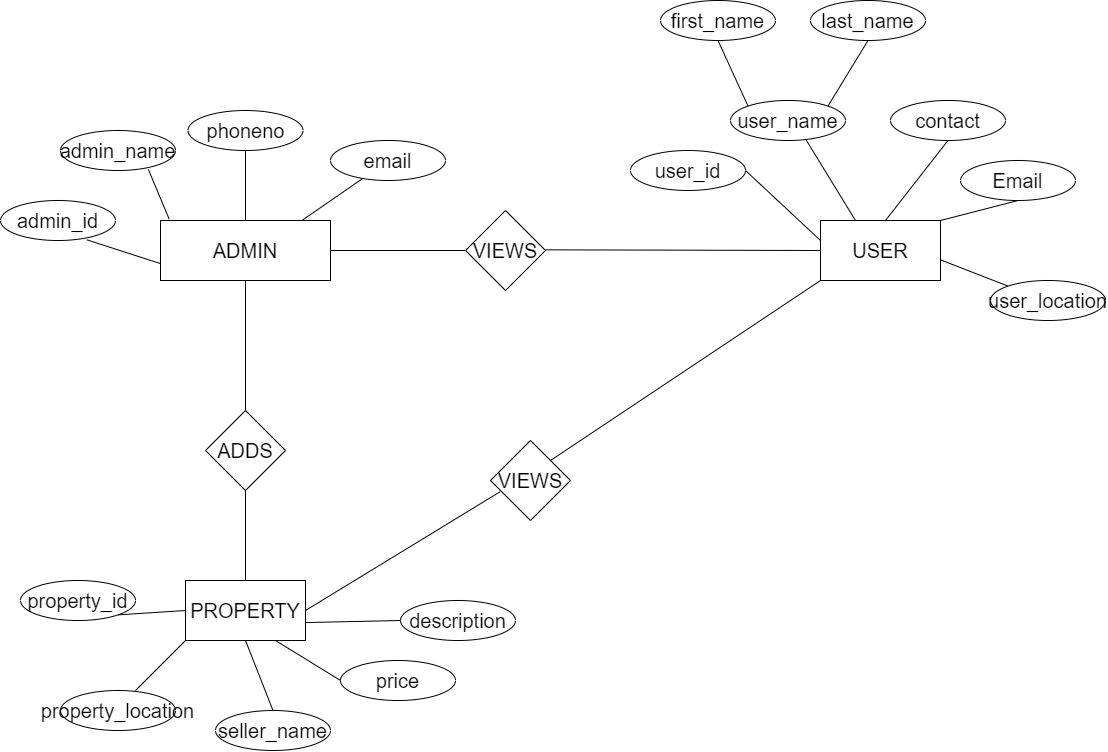


Figure 3: Entity Relation Diagram

## 5.6 system flow chart

The Flow Chart of the proposed system is given below:

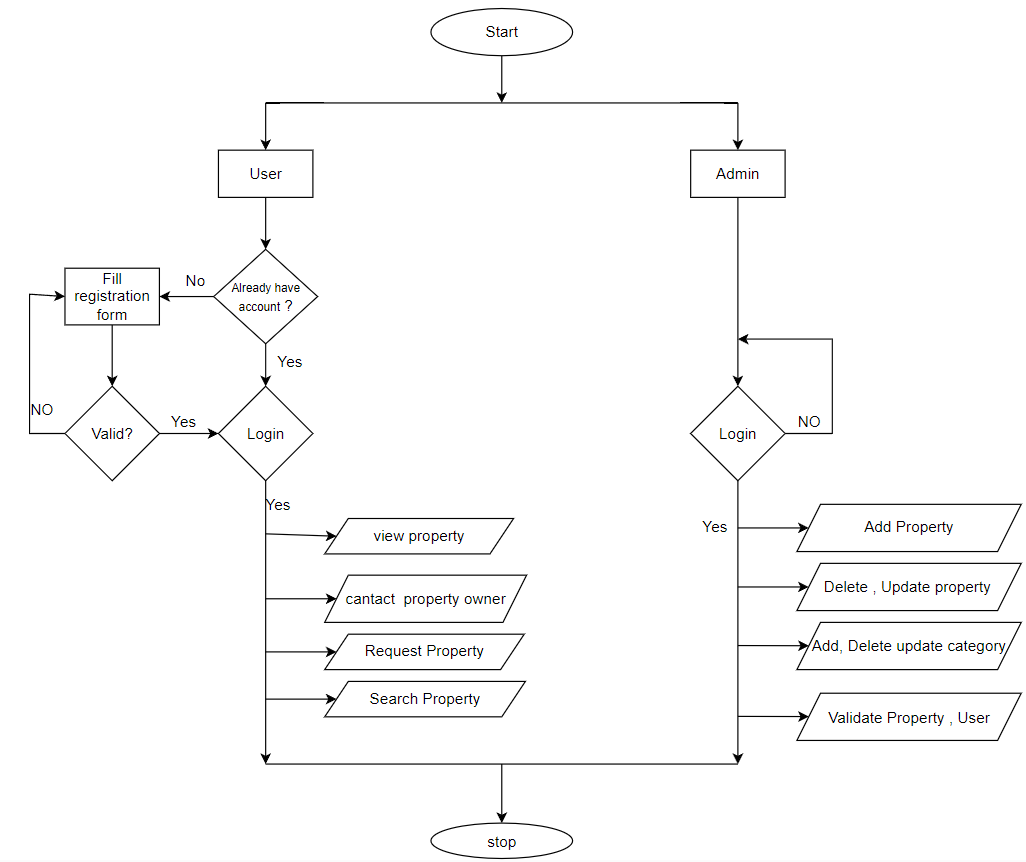
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Figure 4 : System Flow Chart

## 5.7 Context Diagram (Level 0)

The context diagram of the proposed system is given below

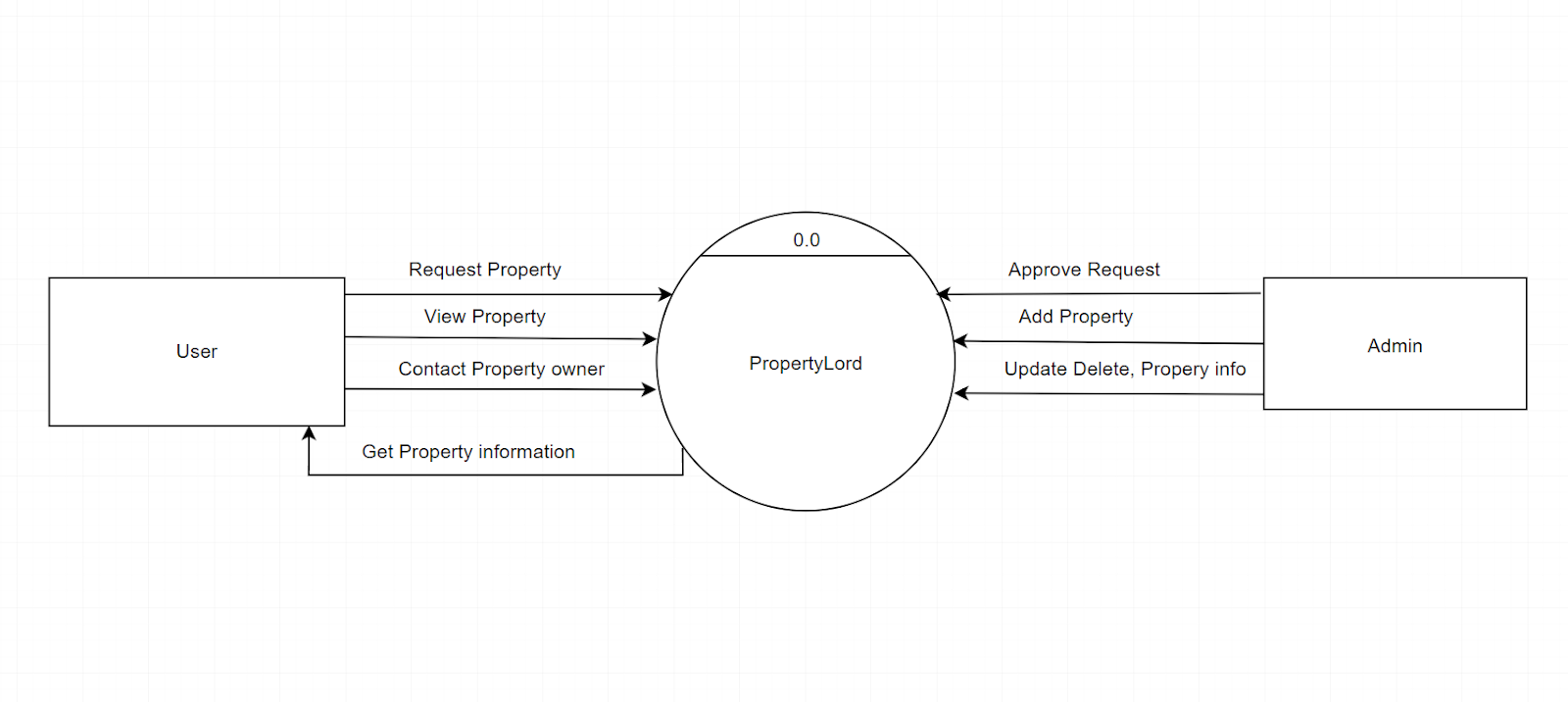
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Figure 5 : Context Diagram

# 6. Conclusion

Clearly , the PropertyLord project will provide numerous advantages to both client and the property owners. To sell and give for renting rooms, houses, lands to the clients who are willing makes easy.

The property owners can list out their houses, lands for the sell and the user who are willing to buy properties can easily make deals directly with the property owner.