Research Article

Keep Track (Tenant Management System)

Lakshay Chauhan[a], Ashu Meena[b], Kartikey Dwivedi[c]

[a,b,c] Department of Computer Science, Galgotias University Greter Noida,India
[a]lakshaychauhan00121@gmail.com, [b]ashu.meena5293@gmail.com , [c]kartikeydwivedipara@gmail.com

Abstract: In this paper, we tend to formulate a tenant management downside.This is aimed toward developing an internet tenant management system that's of importance to either landholder or to tenants. The Tenant Management System (TMS) may be a on-line based mostly net applications which will be accessed by any landholder or tenants happiness to specific landholder.

Our aim is to produce several facilities to each landholder and tenant to manage all the small print and monetary management is additionally taken care by the appliance. Managing all the recordsof tenants may be a major issue for landholder. Thus This application provides numerous options like notification and email support, simple to manage information of tenant making dues of tenant, no paper work needed, simple retrieval of records, accessible anyplace, etc. to induce data regarding however rental homes ar presently being managed, I Prepared questionnaires and submitted them to variety of rental house managers and from the knowledge I gathered I spotted all work was done manually with tons of paper work concerned. Papers will simply get broken or wander away resulting in loss of information. It's conjointly big-ticket to stay on shopping for files to store your records. Tons of files build an area look untidy and conjointly consume tons of area. Obtaining a definite file to see information from several files becomes a tough task. Considering those facts, I made a decision to develop a rental house management system which will solve all the issues fully fledged with this manual system. The system was developed in such manner that it provides most user friendly interface. Once you the user logs within the system mechanically show 3 types: homes form, rent payment type and tenants" registration type. Every type has many command buttons; new, save, cancel, delete, next, previous and exit. With the command buttons you'll be able to manipulate the information. If you would like to feature information to the information all you would like to try to to is to click on new then {input information|input file|computer file} within the textboxes provided then click save and therefore the data can mechanically be saved. If you would like to look at information within the information you only click next or previous and therefore the information are going to be displayed for you. Once you click delete you'll be able to delete a record that you just want. You will enter information then attempt to cancel it, it's easy click on cancel and it'll be canceled. For manager baby-faced with management difficulties here may be a good answer for you. The rental house management system is formed for you.

Keywords: Tenant,landlord,financial management,records

1. Introduction

Tenant house management has become necessary think about fashionable society therefore the requirement to own a tenant house management system. This chapter can offer a quick understanding regarding background of study, definition of the project downside statement, its objectives, scopes, project justification, risks, project deliverables and project budget and schedule.

1.1background of the Study

Housing as a basic right demands that urban dwellers ought to have access to an honest housing, outlined united that has a foundation for instead of being a barrier to smart physical and psychological state, personal development and fulfillment of life objectives

The focus of this research is essentially managing housing for low financial gain, medium and high incomes households or what's unremarkably referred to as reasonable housing. „Affordable" may be a term wont to wont to capability to pay money for sure product or services as a result of their financial gain is enough to try to to thus. Though the term „affordable housing" is commonly applied to rental housing; that's within the monetary suggests that of these within the lower financial gain ranges of a geographic region, the thought is applicable to each middle and high financial gain people. Most families opt to rent homes supported their financial gain and family situations; sadly, there might not be enough smart quality rental housing for these families,

Developing rental homes comes with several blessings particularly to the Landlords United Nations agency ar able to increase their profits through rent paid by the tenants. Raised range of tenants and Landlords makes management tough particularly for the landlords United Nations agency ar losing Brobdingnagian add of cash through tenants United Nations agency evade rent. The higher than statement offers a transparent declaration on why rental house management system ought to be developed.

2. Literature survey-:

Tenant management has become necessary think about fashionable society therefore the requirement to own a tenant management. Over the years landlords/property managers have had a tangle in maintaining and managing their customers and their own records.

Management has become tough due to problems that include-

i)   Information growth-Data increase day to day. Storing and maintaining all information manually is incredibly tough.

ii)   Lack of processed system presently most landlords/property managers use the manual system in recording and maintaining their property and customers information.

iii)   Information security isn't assured-

In a manual means, information is recorded on books/papers which can simply get broken resulting in loss of information.

iv)   There's no information to store information-Potential {of information|of knowledge|of information} loss or harm is incredibly high as a result of data is keep on tangible files.Lack of those crucial necessities makes management of the tenants and homes terribly tough as some tenants might find yourself not paying rent.

The tenant might not be able to visit or decision the leasing workplace each time once a difficulty arises and every now and then it'll be exhausting for the user to even clearly communicate the matter. Maintaining a record of problems from tenants is additionally a tedious method for the owner.

Since most users use mobile phones now-a-days, Associate in Nursing app is developed that makes this method easy by permitting the tenant to report the matter through the app. The app needs the tenant to fill out the shape, take an image and send it to the owner.

All the problems ar keep during a information which might be viewed by the owner through the software package.

3. Project objectives-:

The following area unit the project objectives:

To develop a rental house management system that enables the user to look at to look at yet as homes record

To develop a system that enables the users to feature, edit, search and delete knowledge from the info

To study and analyze the necessity specifications of the rental house management system

To supply the package demand Specification of the system to supply the package style Document of the system

4. Project scope-:

The project scope defines the outline of the work that's needed in delivering the tenant house management system. The subsequent area unit the scopes of labor throughout the course of the project: Study and perceive the necessity of this project

Construct package demand Specification document of the system

Construct package style Document of the system

Downside Formulation-:

In order to use the merchandise each tenant and landowner ought to to register with within the package, tenant's login details are created by the owner and therefore the tenant will login in to the package with the details provided. The tenant will report a difficulty, pay the rent and utilities bill through the package that is exhibited to the owner. The owner will update the rent and utilities bill, send emergency data and store the documents on cloud which may be viewed by tenant.

Needed Tools-:

Java-Netbeans- Java is that the most generally used object-oriented programing language. Java applications run on Windows, Mac OS X, Linux, and Solaris, and plenty of alternative operational systems.

Start your programming career by learning Java SE (Java normal Edition) and teach yourself to develop skilled applications for desktop PCs, like utilities and games.

To get started, transfer and install the JDK, and therefore the latest Netbeans IDE today! The Java Development Kit (JDK) contains all the tools you wish to compile code and run your freshly written applications.

The NetBeans IDE (integrated development environment) is associate degree elective package utility that produces of these tools additional simply accessible.

MySQL-MySQL is that the hottest Open supply relative SQL direction System. MySQL is one in every of the simplest RDBMS getting used for developing numerous web-based package applications. MySQL is developed, marketed and supported by MySQL AB, that could be a Swedish company. This tutorial can provide you with a fast begin to MySQL and cause you to comfy with MySQL programming.

Google cloud- Platform could be a supplier of computing resources for deploying and operational applications on the online. Its specialty is providing an area for people and enterprises to create and run package, and it uses the online to attach to the users of that package.

MySQL workbench- MySQL bench could be a unified visual tool for info architects, developers, and DBAs. MySQL bench provides knowledge modeling, SQL development, and comprehensive administration tools for server configuration, user administration, backup, and far additional. MySQL bench is obtainable on Windows, UNIX and waterproof OS X.

Funtionality :-Keep record of all the payment created until date

:-Add or delete tenant

:-view tenant record and to grasp there area unit dues or not

:-save positive identification of tenant

 :-landlord will add its own info

Benefits :-Tenant cannot cheat in paying rent

:-easy to manage knowledge

:-easy retrival of required record

:-no paper needed so no want of losing knowledge

:-notifications and emails support.

Landloard No ought to manage any diary or bahi khata; straightforward to calculate quantity to be paid;

No risk of losing any record;s Accessible anyplace.

Tenant No ought to manage diary or record(they will evoke record until date via email); straightforward to calculate electricity charge and water bill; Timely notifications of once to pay ;Proper bill recived via email once payment is formed.
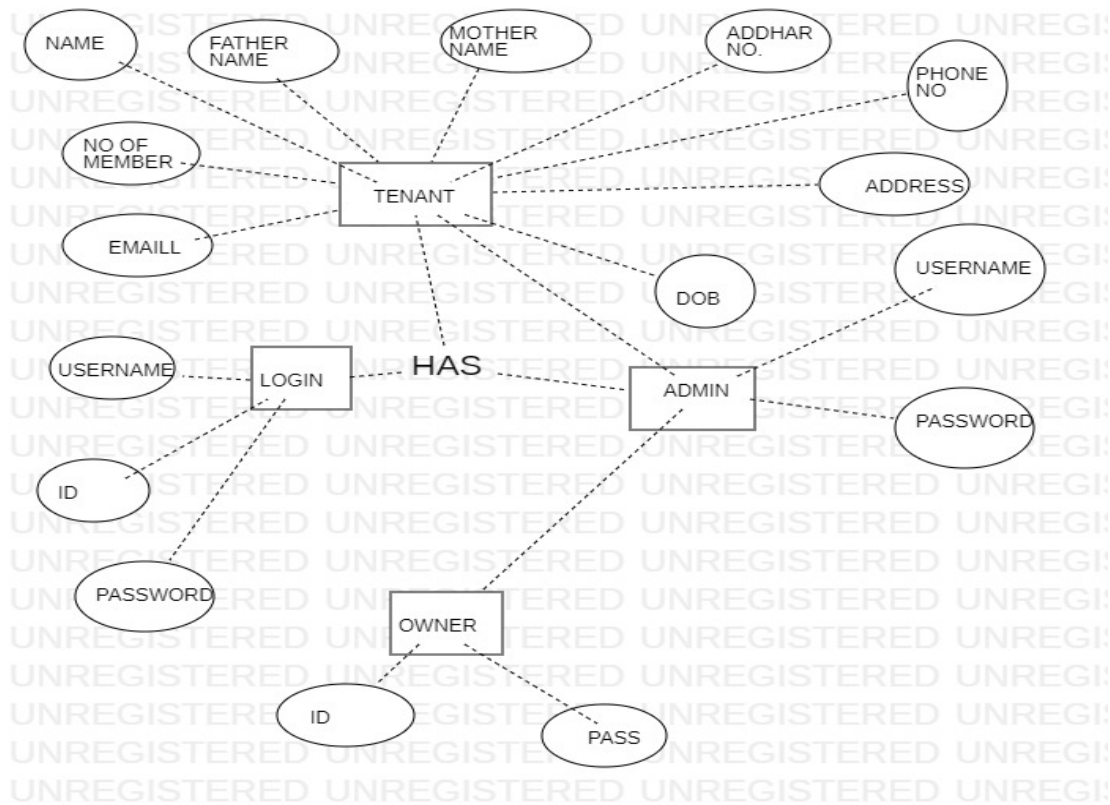
5. Plan layout-:

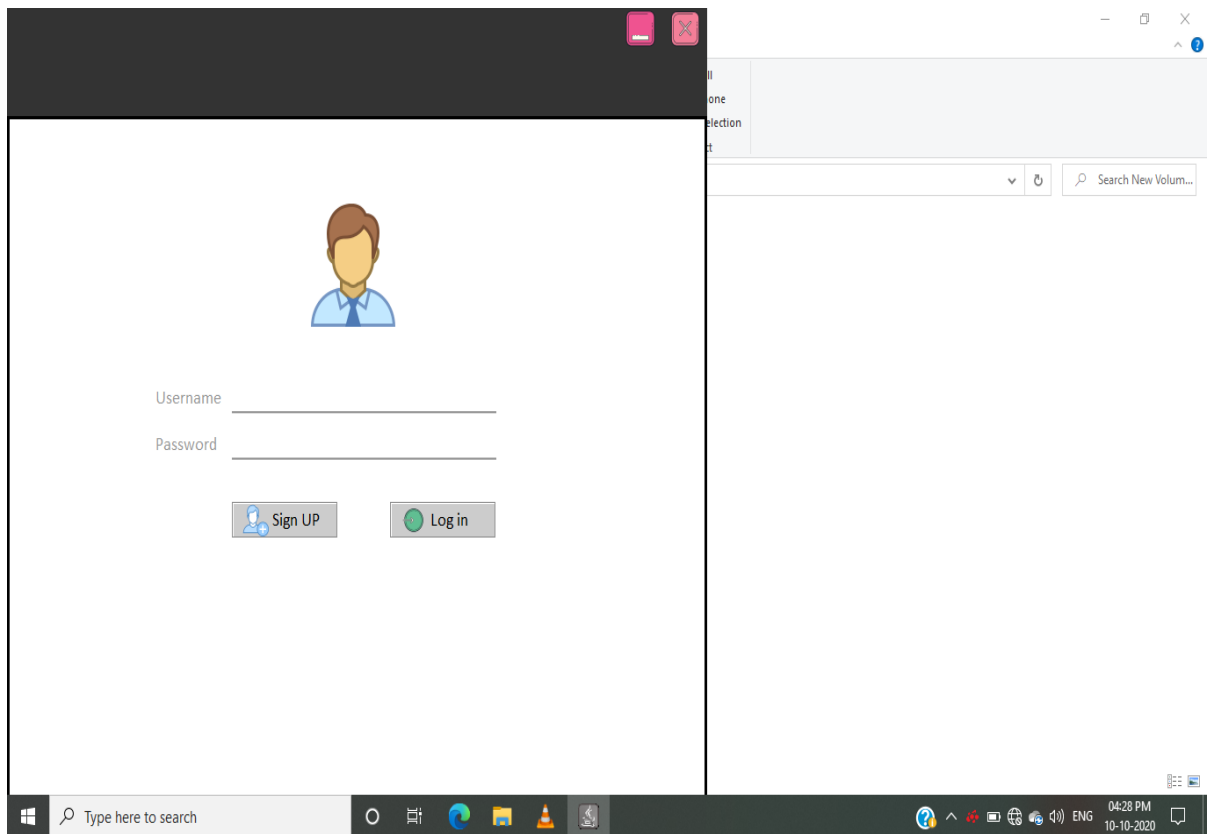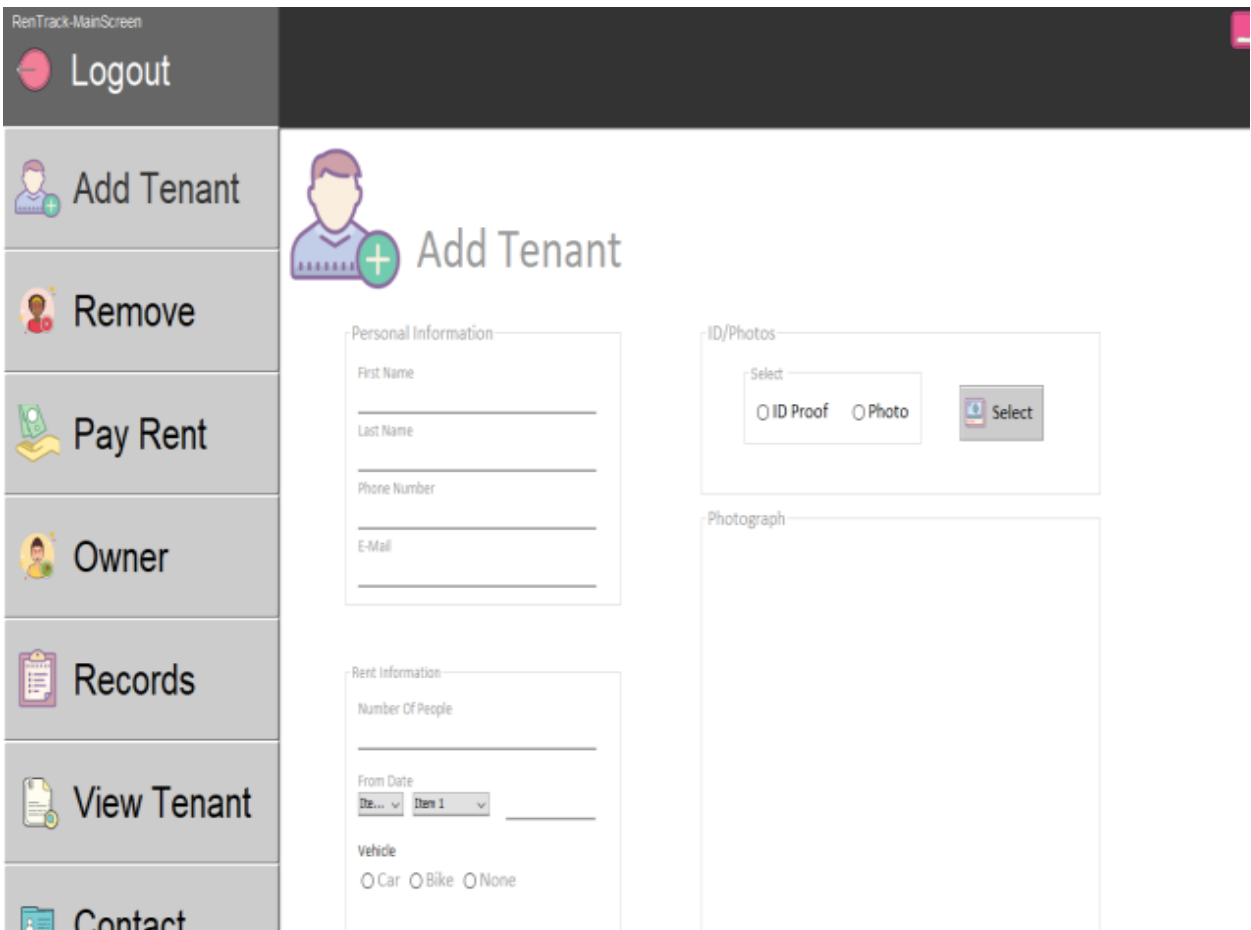- **Product Design and Architecture**
- Use Case Diagram
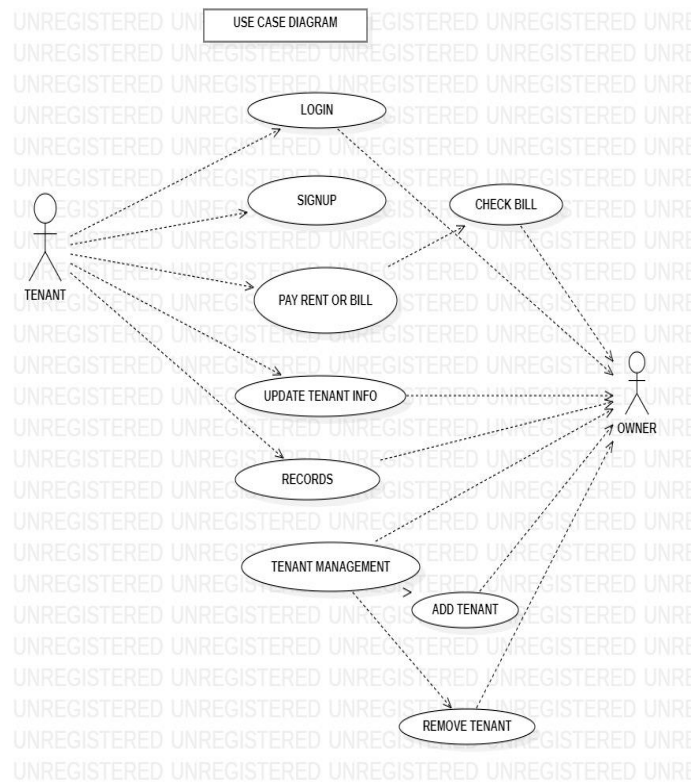
- Class Diagram
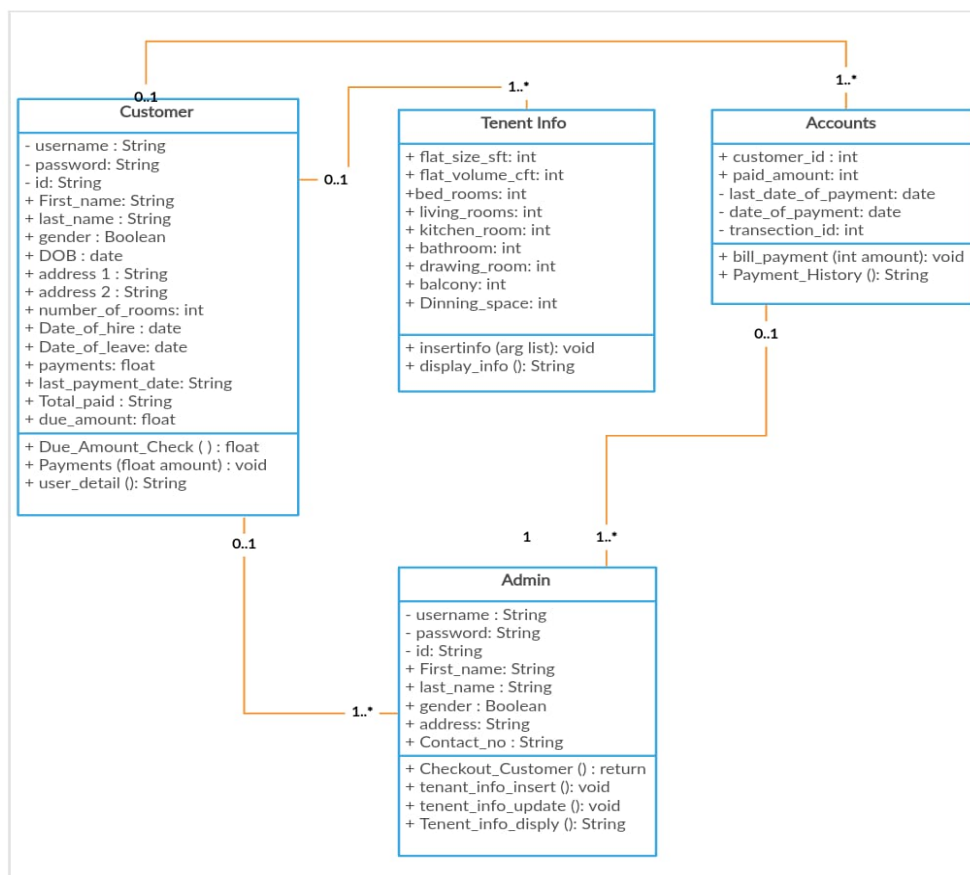
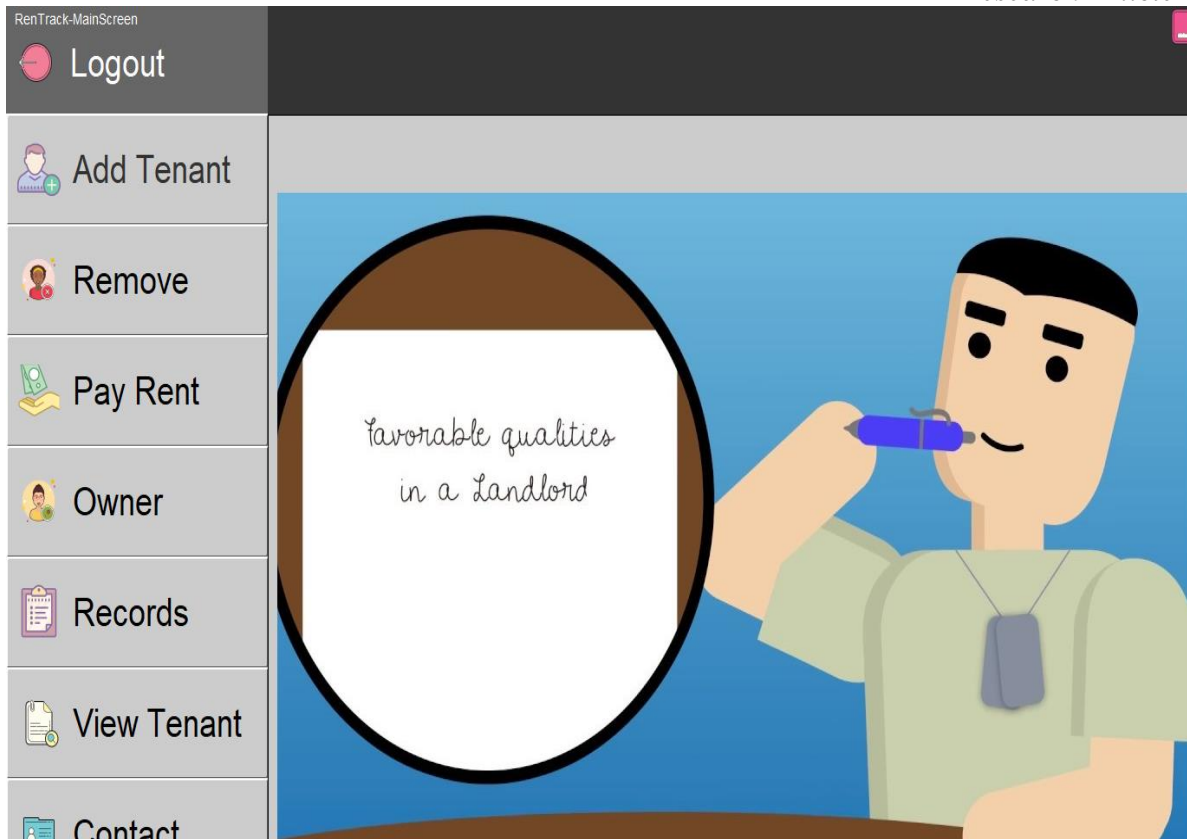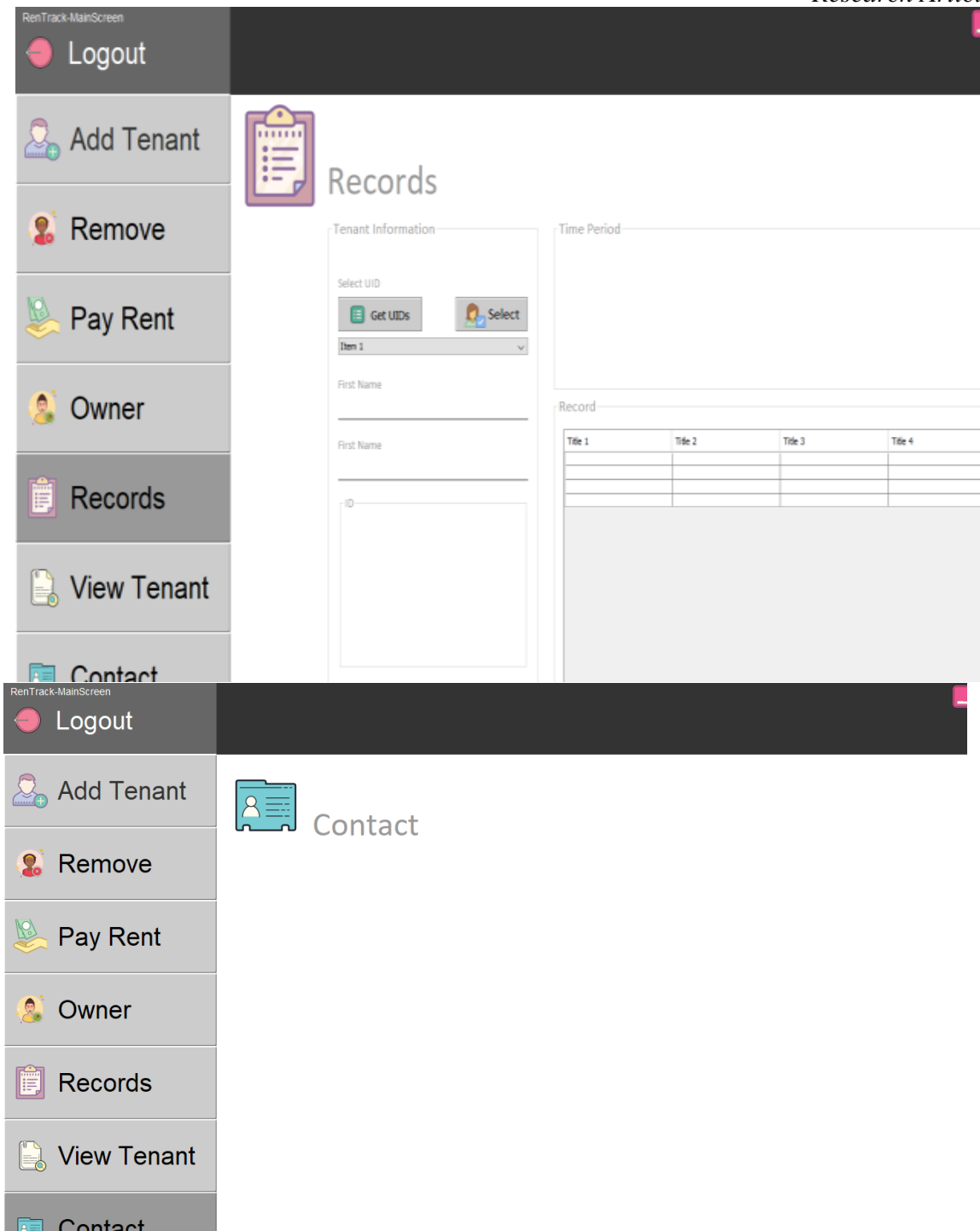- ER diagram

USER ACCOUNT MENU-:

6. Recommendations-:

Our project is meant to satisfy the needs of tenant house owners. Several user friendly interfaces have also been adopted.

This package shall prove to be a powerful in satisfying all the requirements of the users It is with utmost faith that I present this software to you hoping that it will solve your problems and encourage you to continue appreciating technology because it is meant to change and ease all our work that seems to be very difficult.

I don"t mean that my project is the best or that I have used the best technology available it just a simple and a humble venture that is easy to understand.

However, I would encourage anyone who has the ability to advance it using advanced technologies so as to increase its capabilities.

7. Conclusion-:

In conclusion, the software can be used as an inventory system to provide a frame work that enables the mangers to make reasonable transactions made within a limited time frame. Each transaction made on the system go hand in hand with the data being updated in the database in our case it is Google Cloud which is the back end. Last but not least it is not the work that played the ways to success but ALMIGHTY GOD

References

1. Ambrose, P. and Barlow, J. (1987), Housing Provision and House Building in Western Europe: Increasing Expenditure, Declining Output, Housing Markets and Policies under Fiscal Austerity, London, Greenwood Press.Cooper, M. (1998), Ideas to develop a literature review, vol. 3, page, 39
2. Erguden, S. (2001), Low cost housing policies and constraints in developing countries, International conference on spatial development for sustainable development, Nairobi
3. Golland, A. (1996), Housing supply, profit and housing production: The case of the United Kingdom, Netherlands and Germany, Journal of Housing and the Built Environment, vol.11, no1.
4. Hancock, T. (1998), Caveat partner: Reflection of Partnership with the private sector, Health promotion international, vol. 13, no 3
5. Levin, K. (1999), Database Management Systems: How to use Relational Databases, vol. 2, no 4.
6. Macoloo, G. (1994), The changing nature of financing low income urban housing development in Kenya, Housing Studies, vol. 9, Issue 2, pages 189- 281
7. Mitullah, W. (2003), Urban Slums Report: The case of Nairobi Kenya, Understanding Slums: Case Studies for the Global Report on Human Settlements.
8. Seedhouse, D. (1986), Foundation for Health Achievement, Health Policy, vol. 7, issue, 3.
9. United Nations, (1948), The Bill of Human Rights.
10. http://www.ehow.com