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A Project Proposal
On
"**Rent Space**"

[Code No:207]

(For partial fulfillment of Second Year/ Second Semester in Computer Science/Engineering)

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Abstract

RentSpace is an android application for rental solutions which provides users with price, location and size based rental services in real time. It allows users to find renting space for personal rooms, restaurants, offices or other purposes. This application allows landlords to lease rooms, flats for tenants in need. With the development of an android application, all the complications of seeking a room are eliminated; also a wide range of users can interact on the platform at the same time. The necessity of such a platform arises when the exponential increase in population scarce the availability of rooms around a designated area. The main purpose of this is to provide users of one place to rent rooms of another place, known or completely new, without having to travel all the way in order to finalize the deal in no time.

Android Studio will be used to develop and design the app while Photoshop will be used to edit pictures and design logo.

RentSpace aims to provide its users the liberty of finding and leasing space in the form of rooms, offices, restaurants or more so with an ease in their day-to-day busy schedule.

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Chapter 1: Introduction

1.1. Background

"RentSpace" is an android application platform that aims in bringing ease to finding and leasing rooms for personals use, offices, restaurants, institutions, flats and more. It is a very tedious and time consuming job of searching for availability of rental space in such a densely populated society of Nepal with exponential population growth.

This application focuses on establishing the platform to form a community of people who interact with each other to exchange information about rental space through various posts and advertisements on the application with an extended knowledge about the facilities of the space based on the reviews and comments of the previous owners and landlords.

1.2. Objectives

The objectives of the android platform of RentSpace include:

- Provides users with price and location based rental space.
- Helps landlord deal with the tedious job of leasing the space to appropriate tenants.
- Reduce old tiresome process of physical travel for the search of room, flat.
- Helps to develop a community to exchange information regarding rental space, beneficial to users, friends and family of users.

1.3. Motivation and Significance

The available rental services are poorly managed complicated to use and users feel difficulty in dealing with landlords. They were especially useful for individuals able to afford apartments or a flat and not applicable for individuals, families who could only afford to take few rooms. But Rent Space allows users of every economic status in finding and also leasing rents. From the viewpoint of consumers of space, this platform is going to reduce all the extra allocations of time, useless bargains along the search, pre planning and the unnecessary wandering of various places leading to spending a lot of time and a chunk of money in the search itself. As a landlord of space, this application will reduce the cost of setting up an advertisements in the newspaper and the tedious job of explaining the availability of room to all those who seek.

Chapter 2: Related Works/ Existing Works

Over the years, tenants have had a problem in finding rent houses based on their income and family situations. Also landlords/property managers have had a problem in finding appropriate tenants, and thus leaving their rooms vacant for months. Based on the similar concepts of bring an ease to the problems mentioned, listed below are few projects or platforms addressing the need:

Gharbheti

Gharbheti is a web portal designed to reshape the conventional pattern of rental and real estate solution for building, flat, room, space, apartment, hostel, and land all around Nepal. This portal allows people to search and book properties from available property list via online presence. The properties are displayed in categorical lists where clients can search the property that best suits their budget range as well as location. The list is regularly updated by our marketing team; the team searches property manually as well as encourages and advocates property owners to post through online with detail information of property.

It offers clients to set preferences for location as well as budget, as per their need. Property owners can post, manage and modify properties from their free accounts.

99acres

99acres is a real estate portal in India founded in 2005. It allows people to search, buy, sell or rent property. Users can visually explore apartment, farm house, flat, house, builder floor, plot, villa, commercial office, shops, factory through rich photos and videos of society/ locality of a property. It has detailed property listings, latest information about new projects and local real estate information. It caters all kinds of properties within the real estate-from commercial to residential properties. It offers services that has made property search easier like never before. It is best known for the numerous options it provides, with listings of around 10 lakh properties across the country.

It also promises instant contact between landlords and interested tenants through phone calls, texts or e-mail.

1Ropani

1Ropani.com is a platform to disseminate Nepal real estate industry information. It provides comprehensive detail on real estate properties which are for sale or rent, including current news and information about real estate market. 1Ropani.com brings together property information - location, price, pictures, interactive maps and property features through dynamic website, mobile interface and SMS. It welcomes the participation from real estate players - sellers, renters, agents, builders, developers, investors for dissemination of information in trustworthy environment.

1Ropani.com aims to overcome the limitation of traditional method of real estate advertisement, like newspaper, brochures, leaflets or other forms of mass media, which are confined to limited time, space and audience.
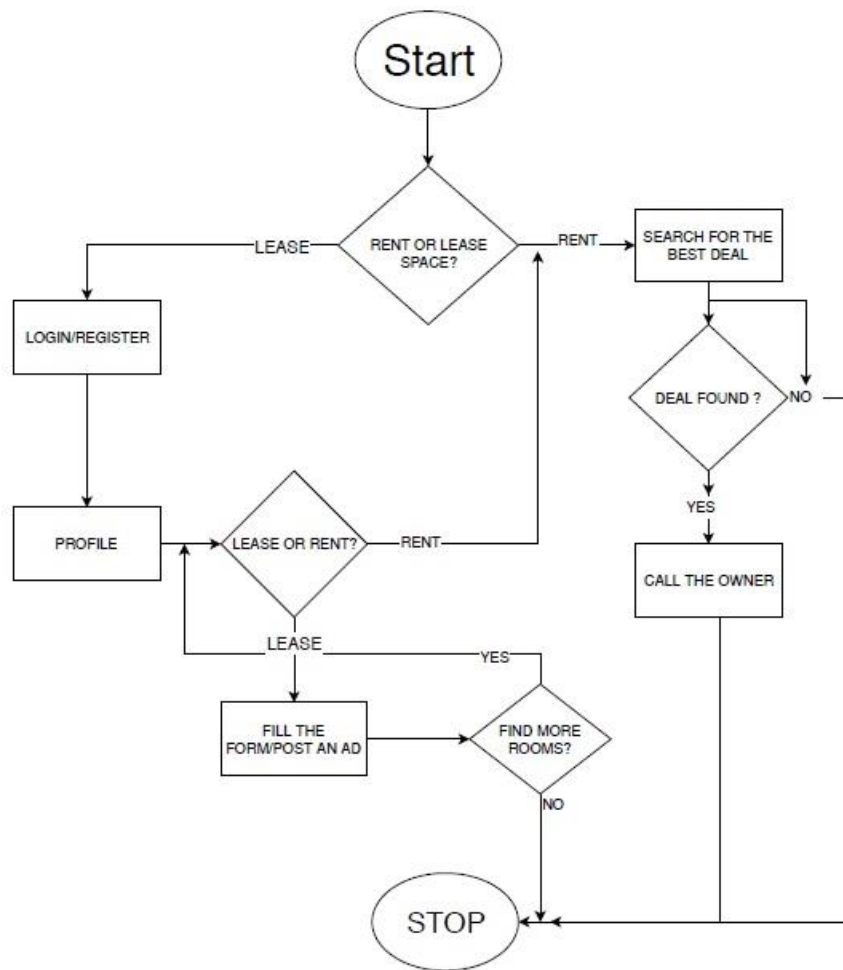
Chapter 3: Procedure and Methods

Figure 1: System Flow Diagram

Chapter 4: System Requirement Specification

4.1. Software Specification

For Android User

1. OS: API level higher or Jellybean version

- For Development

    1. 32 or 64-bit OS

    2. Android Studio with Emulator(Front End)

    3. Web Browser

    4. MySQL Server(Xampp/Wampp)

    5. Eclipse(Backend)

4. 2. Hardware Specification

- For Android User

    1. RAM: minimum 512MB

    2. Memory: minimum 50MB space

- For Development

    1. RAM: 3 GB minimum, 8 GB recommended

    2. Memory: 2 GB of available disk space minimum, 4 GB recommended

Chapter 5: Project Planning and Scheduling

Week／Work	1	2	3	4	5	6	7	8	9	10	11	12
Research and Study	█	█										
Analysis		█	█									
Design			█	█	█	█						
Coding					█	█	█	█	█	█		
Program Testing											█	
Documentation												█

Figure 2: Gantt Chart

References

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