Software Requirements Specification

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House Rental System

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1.0.Introduction

1.1. Purpose

The purpose of this document is to present a detailed description of the House Rental system . It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system.

1.2. Project Scope

This software system will be a House Rental System.The purpose of the House Rental System is to ease Buying and Selling system and to create a convenient and easy-to-use application for any kind of people, trying to Buy and sell House.The system is based on a relational database with its House management and reservation functions. We will have a database server supporting of major cities of Bangladesh. Above all, we hope to provide a comfortable user experience along with the best pricing available.

2.0.Overall Description
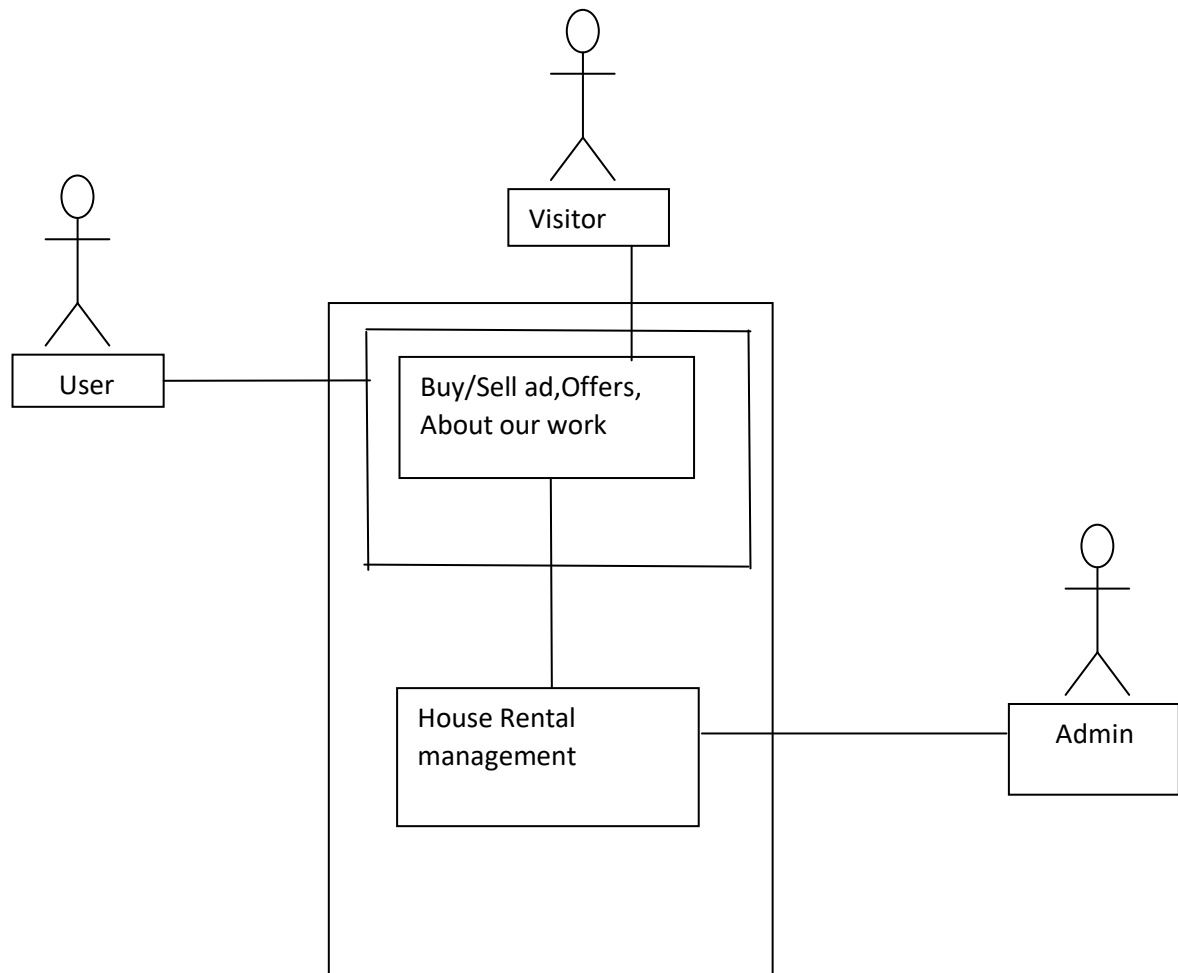
2.1 System Environment

Figure 1 - System Environment

The House Rental System has three active factors Visitor, User, Admin . Visitor accesses the offers and others information about our work/site through the Internet.

Any User communicate with the system is through mobile number and password .

The Admin accesses the system through his mobile number and password.

2.2   Functional Requirements Specification

2.2.1 Visitor Use Cases

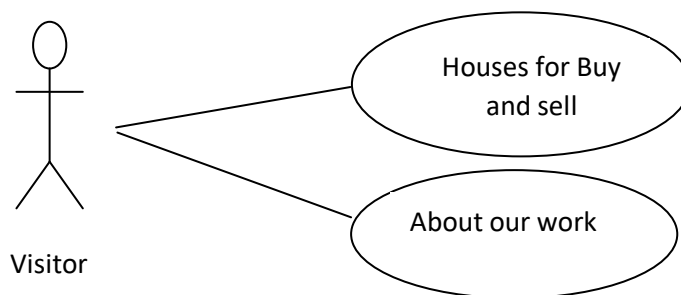The Visitor has the following sets of use cases:

Figure 2 – Visitors Use Cases

Brief Description

The Visitor accesses the Reservation site to know our facilities, activities and offers.

Initial Step-By-Step Description

Before this use case can be initiated, the Visitor has already accessed the House

Rental site.

1.   The Visitor can see Houses for buy and sell
2.   The System shows the regular offers.

3. The Visitor selects to know about our work.
4. The system presents the benefits of being a member in our site.
5. The Visitor can be a member.

2.2.2 User Use Cases

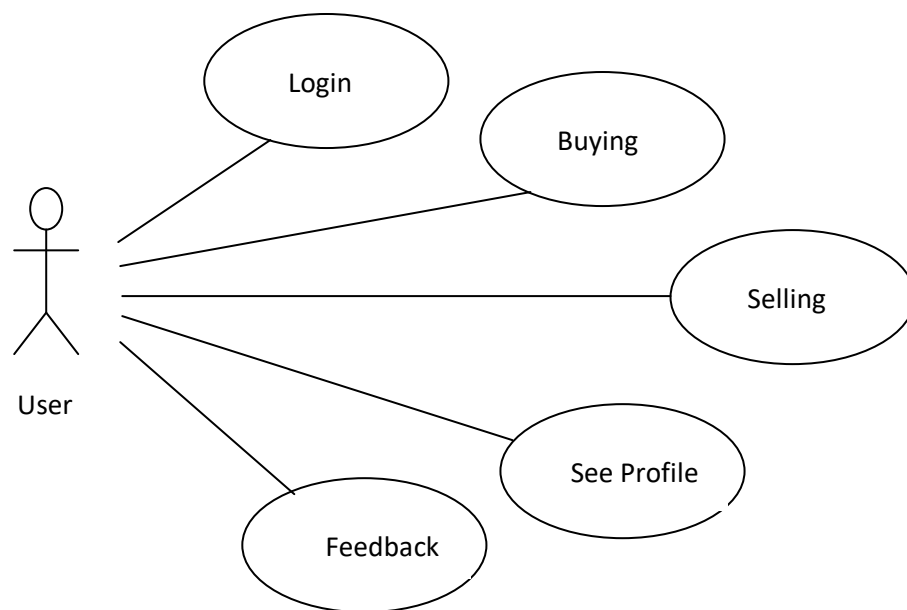The User has the following sets of use cases:

Diagram:

Figure 2 - User Use Cases

Brief Description

The User enters to buy,sell or rent houses, can see activities in their profile and can check our daily offers.

Initial Step-By-Step Description

Before this use case can be initiated, the User has already accessed the user home page of the House Rental system.

1. The User can signup by giving required information.
2. The User can login using required information.
3. The System gives access user to log in.
4. The User can buy or sell or rent houses in desired destination.
5. The System gets proper details about houses and shows amount to the user.
6. The Buyer can contact with Seller for payment method and confirm paying.
7. The User selects profile to see own buying,selling or renting activities.
8. The User can see daily offers shown by the system.

2.2.3 Admin Use Cases

The admin has the following sets of use cases :

Diagram:
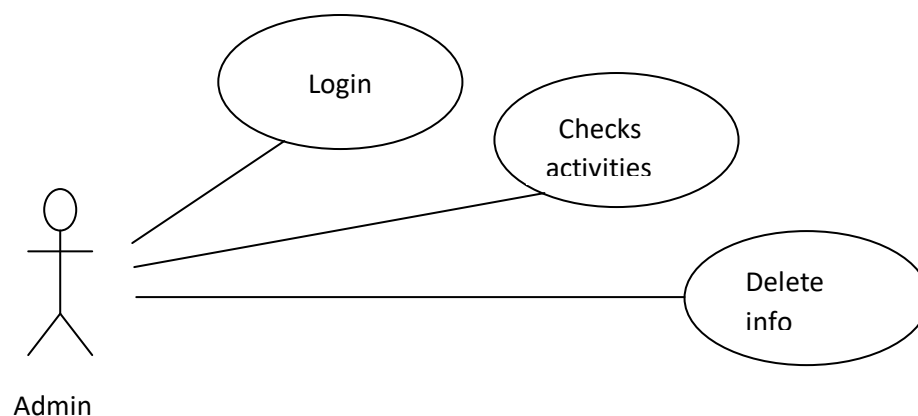
Figure 2 - Admin Use Cases

Brief Description

The Admin can update information.

Initial Step-By-Step Description

Before this use case can be initiated, the Admin has already accessed the admin home page of the House Rental site.

1. The admin can login using admin information.
2. The system shows the latest user activities on a table.
3. The admin can update information in the House Rental site.
4. The admin can delete information in the House Rental site.

2.3   User Characteristics

The Visitor is expected to be Internet literate and be able to read paragraph . The main screen of the House Rental System site will have the offers function which is link to our regular basis offer to attract our user and visitor.

The User is expected to be Internet literate and to be able to mobile phone banking and map.

The Admin is expected to be Windows literate to be able to use buttons.

2.4   Non-Functional Requirements

The House Rental System will be on a server with high-speed Internet capability. The speed of the Users/Visitors connection will depend on the hardware used rather than characteristics of this system.

The House Rental System will run on the Admin's PC and will contain an Access database. Access is already installed on this computer and is a Windows operating system.

3.0. Data Description

The data to be stored in the internal Reservation database is given below :

3.1. Admin Data Entity

Data Item	Type	Description	Comment
Mobile no	Varchar	Mobile no of Admin	Mobile no of admin to login to operate data.
Password	Varchar	Password of admin	Protected Password of admin to login to operate data.

3.2. User Data Entity

Data Item	Type	Description	Comment
Name	Varchar	Name of User	
Email	Varchar	Email of user	
Mobile No	Varchar	Mobile number of user	Valid Mobile number of user for login.
Security question	Varchar	A Secuirty question for user	Security question that will used for secure data of user.
Answer	Varchar	Answer of the Security question	The Answer of the Security question will be used in case of forget password.
Password	Varchar	Password of user	Password that will used for login.

3.3. Sell Information Data Entity

Data Item	Type	Description	Comment
Name	Varchar	Name of user	

Email	Varchar	Email of seller	Buyer use the email to contact with seller.
Address	Varchar	To find the location of houses	
Price	Integer	Price of House	
Image	Varchar	Image of house	

3.4. Buy information Data Entity

A buyer can see that Sell or Rent adviretisement and choose the best deal for him.Then he can contact with seller for his payment method.