SOFTWARE ENGINEERING ASSIGNMENT

Topic: SRS preparation on any project topic.

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Software Requirement Specification(SRS)
For
Home Care 24*7

1. Introduction

This Home Care System is being developed to fulfill all the needs and requirements at home level. It is integrated with the all home daily operations including activities, plumbing works, electronics work, delivery services, maid help, repairing, etc. Here this system is working on an android device which can be used by registering to it. The users will be provided login credentials. There are two dashboards in the app which can be used by workers and common users. Admin will be using the web application for allotting workers to the system and to clarify the users queries. It will have all the basic modules and also it has all the basic modules and also it makes working fully computerized which is very fast and efficient.

The front end will be an Android app. Java code will be used for validation and processing of user input and database it will act as a middle layer. Third layer of the database will be interacted with these layers, which would be the MYSQL database. The web server would be Apache Tomcat. For connecting to the database we use PHP. For the back end which is used by admin will be with HTML, CSS, JavaScript, etc. Users can interact with Workers and admin through these apps while workers can add their details, works, services, experiences, etc. Workers can accept work requests from the users and can complete their work at that home. This will be helpful to have rated workers at our house for repairs which will be secure and clean.

1.1 Purpose

The main purpose of this home care system is to make the house neat and clean with a single click. It is to find a correct worker for our house related repairs. Users don't have to call neighbors, friends, relatives, or others for their help. From this application we can arrange a worker who will fit our needs. This will really help us to reduce time consumption, price and experienced safe workers.

1.2 Scope

In our real world there is an application for jobs, there will be provided all job availability and users can request for that job. In the same world there is no application for the home care service, which will repair our house. So here I introduce a system which will include the both functions in an application. The job seekers can also work with the help of this application and the users can add work requests to this same application. Really there is no other app related to this system so the scope is high and also this is required in today's world.

1.3 Definitions, Acronyms, and Abbreviations

HC247 - Short name for Application(Used as security key for workers)
FAQ   - Frequently Asked Questions

1.4 References

- www.google.com
- www.wikipedia.com
- www.github.com
- www.stackoverflow.com
- www.youtube.com

1.5 Overview

This home care system provides a safe and fast solution for our home services and repairs. From the existing system we made many modifications to the application which is many more advantaged. Here we will have 3modules which will help to do their own work which makes the app more useful. Users can interact with the admin to complain and give feedback on works.
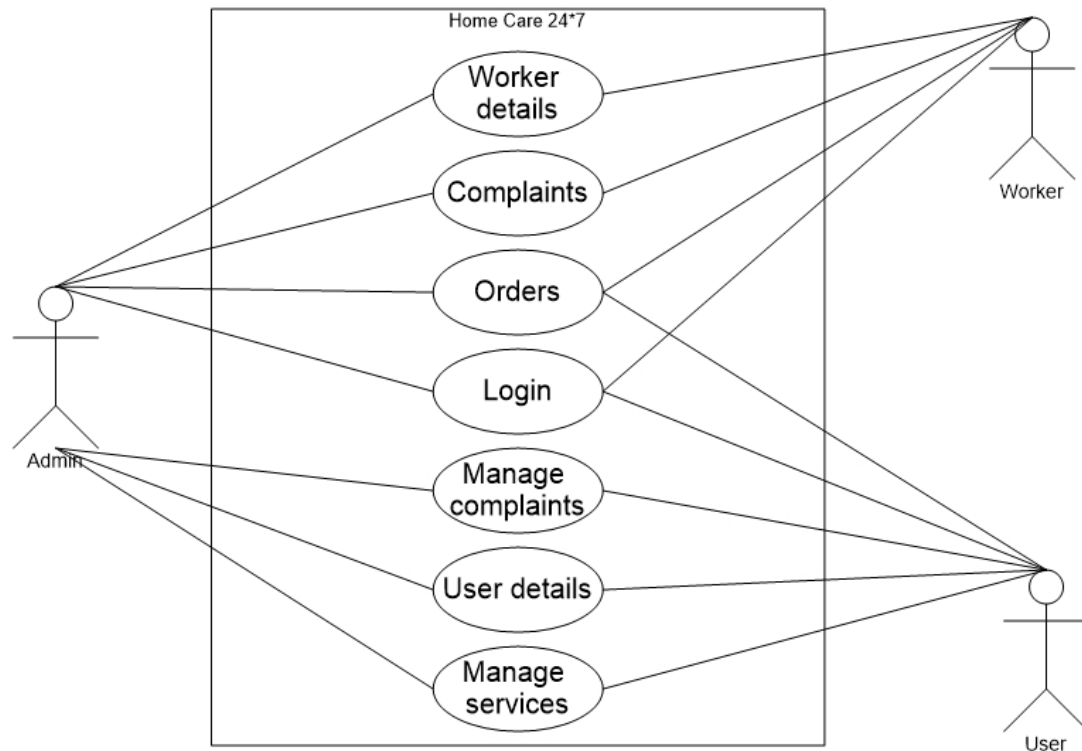
2. Overall description

The Online Home Care System (HC247) application enables vendors to set up online booking for their home repair works, users to browse through the services and workers, workers to request for working with the system and to accept users works, also to solve their problems, and a system administrator to approve and reject requests for new workers who need to work with this system and maintain lists of services categories. Also the developer is designing an Home care application and a site to manage the services in the real world and also help users to order them online without visiting the any other places or calling others physically.The Home Care system will use the internet as the sole method for serving the services help to its users

2.1 Product Perspective

This system is introduced to the people who like to make their house perfect with a single click and who want to reduce time consumption and money. Also people who need a secure service with a help center where they can solve any problems related to the system.

2.2 Product Functions

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2.3 User Characteristics

Users should be familiar with android mobile phones and they should know how to login and register. They also have to know how to make orders and to select the specific service as they need it. Users should have a minimum level of English knowledge. Users need to have a personal phone number and email id.

2.4 Constraints

Internet connection is mainly needed. Users have to be in a good android phone (Minimum of 1GB RAM). UPI payment should be ready.

2.5 Assumptions and Dependencies

Working of Home Care applications need an internet connection. It should have an android mobile phone. Uses other third party applications for UPI payment as payment option. Also will be used for communications.

3. Specific Requirements

The specific requirements are –

3.1 Description

There will be three modules which will have different functionalities. Users can view services done by the application by searching in the whole list. They can also sort the list by price, work worker, service, etc. They can pay online when they order the service or they can pay it straight to the workers. Workers can have the orders by users and work that works. They will be paid by the admin as the wages. Admin can view details of users, workers and services which they added. Admin can also give replies to users for their complaints.

3.1.1 Registration
3.1.2 Login
3.1.3 View the services
3.1.4 Place order
3.1.5 Payment
3.1.6 Logout
3.1.7 Complaint Generation

(i). Appendices

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