SLTC

PROJECT PROPOSAL

EQUIPMENT RENTING SYSTEM

TEAM MEMBERS:

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INTRODUCTION

Nowadays most people spend a lot of time in stores. In earlier decades' technology at its best meant a Computer, today it's an iPad connected to the cloud solution. A smart store is a place that makes life easy for customers and the service provider too, which empowers it and increases their ability to stay connected. This is achieved by making use of various advanced technology and different tools and solutions to improve the efficiency of users. As the physical boundaries are being bridged, a competitive and complex world focuses on innovation and creativity is being developed. The world is greatly experiencing the emergence of intelligent growth zones so smart stores have fast become the need of the hour.

A smart store is something that ensures the effective and optimal utilization of software resources and physical infrastructures which means the store is automated. Thus the store automation allows the system to become more transparent, it enables sharing information more openly. Which creates an opportunity for making an impact across the functioning of the industrial sector and business. In this case we are applying the automation technology to an equipment renting shop. With this user will be able to rent equipment and the system will create a bill including the renting fee and delay charges.

AIM

The main goal of the project is to develop, design and implement a fully functional and computerized software system for an equipment renting store in order to make the managing process more efficient and convenient.

OBJECTIVES

➤ Clearly understand the whole process of renting products from a store, generating bills, generating reports, and managing stocks.

➤ Gather sufficient resources to build and implement the design.

➤ Implement all the relevant functions of the system.

➤ Create a user friendly interface for the convenience of employees.

➤ Implement security controls by access control.

➤ Testing the system for bugs and errors.

RESOURCES

➤ Team members

➤ Computers and laptops

➤ Software

➤ Rental store inventory details

➤ Customer details

➤ Equipment details

CHALLENGES

➤ Gathering required resources.

➤ Creating a user friendly interface.

➤ Completing the project within a short time period.

➤ Implementing systems according to the coding standards.

➤ Automating functions of the system.

➤ Lack of experience with programming and software engineering concepts of team members.

FUNCTIONS

Login - Allows employees to login to the software. To prevent unauthorized access to confidential data.

Adding and removing Items - Allows employees to add or remove equipment available to rent and equipment details such as name and renting fee.

Adding and removing Customers - Allows employees to add new customer details to the software or remove existing customer details.

Allocating Items to Customers - Allows employees to allocate items to customers and set return dates.

View Borrow history - Allows employees to view delayed items, history of rented items.

Create bills - Creates a bill including the renting fee and delay charges.

ADVANTAGES

➤ This software speeds up the processes of renting, billing, report generation, checking stock balance significantly compared to doing all the transactions by hand or registries.

➤ This software also helps the employees of the company easily view rented items, late returns and payment information without having to manually check all the above-mentioned information.

➤ Generally, all the equipment of the store is generally stored in a warehouse. However, with this software, it helps analyze the current situation of all the current equipment without ever having the need to be physically present at the warehouse.

➤ Using this software we can clearly recognize which equipment is rented the most, as well as which equipment is rented the least, and updates our equipment in the stocks accordingly by increasing the amount of most rented equipment as well as decreasing the amount of least renting products which in itself helps improve the business of the store.

➤ Increases the convenience for both the employees of the company as well as the customers in making their experience within the store pleasant without any haggling.