Laundry Service System [LSS] (Web Application)

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ABSTRACT

Online laundry service provides unique assistance for the ease of customers such as on-demand laundry service, dry cleaning laundry service, express laundry service and subscription based laundry service. The purpose of this project is to make fully customized responsive web based application to reduce manual cataloging of product, eliminate errors such as misplaced /miscataloged product and to have manual backup if the system fails

Keywords: Online laundry service, Cataloging, Order processing, Dry Cleaner Management

I. INTRODUCTION

As everyone is busy with their professional life, getting online laundry service at their doorstep makes life hassle free. Clean clothes, enhances personality of a person. The secret to clean clothes is simple; to take advantages of an online laundry service at your doorstep, which takes care of your garment with soft and Eco friendly detergents, which gives your clothes a brand new look along with freshness to them.Professionals, who are running their business or are doing corporate jobs, have a time crunch always. For them a laundry service is bliss. It would be convenient, fast, and easy to get connected with. Doorstep laundry services provide garments washed, ironed and neatly delivered in a convenient bag.

People who are away from their home due to their studies and work get no time for washing of their dirty apparels. So for those online laundries is the first service to look at.

Online laundry service provides unique assistance for the ease of customers such as on-demand laundry service, dry cleaning laundry service, express laundry service and subscription based laundry service

In this era of modern computing, data maintenance is crucial and also need of the hour for all organizations. Web based laundry system is used for document atomization. All in all, this system comes with a range of smart-working options that include automating linen-location routing, monitoring stock levels, tracking cart/trolley motion, and generating bills.

The purpose of this project is to improve the efficiency of the existing laundry system by reducing the paper work to reduce the overload on the system

II. METHODS AND MATERIAL

1. User Management

-Create orders (whether to order now or to order later).
-Process orders in bulk or individually.
-Support user-related transactions

Figure 1. User Management

2. Dry Cleaner Management

-Manage order processing.
-Store and analyse invoices and other payment-related data.
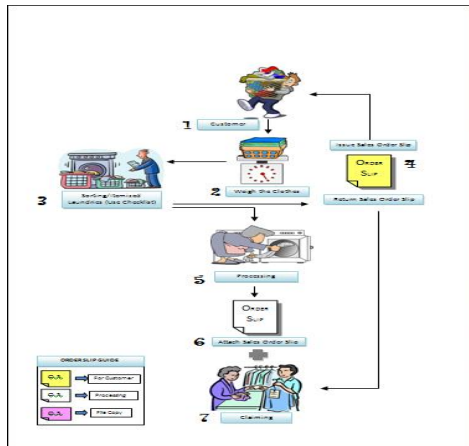-Send notifications to both customers and companies

Figure 2. Dry Cleaner Management

3. Pickup and Delivery Management

-Receive and prioritize pickup- and delivery-related details
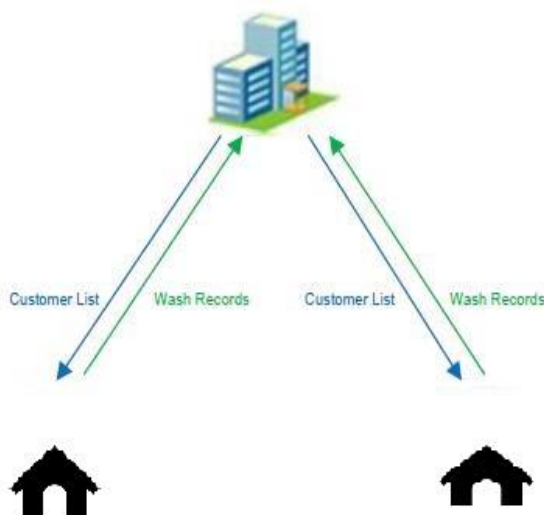-Process payment-related details

Figure 3. Pickup and Delivery Management

4. Super/Master Admin Management

-Manage all the details of every user (dry cleaners, pickup and delivery agents, and customers).
-Store order-related data.
-Process, store, and (if need be) analyze invoice-related data.

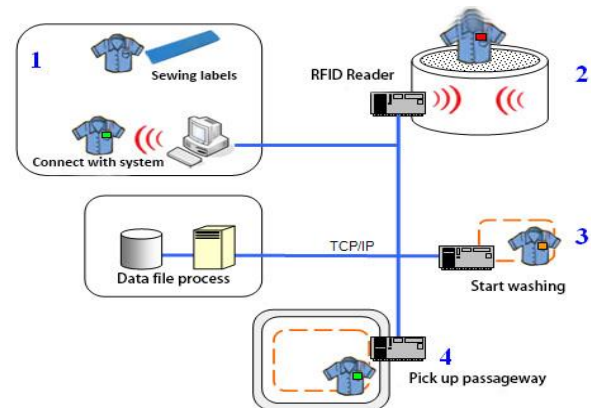All processes shown in following figure are monitored and managed by this module

Figure 4. Super/Master Admin Management

III. RESULTS AND DISCUSSION

1. User Management

We are going to create customer master data. Which will contain unique customer ID, easier for search and tagging in addition to these we are going to add other details such as mobile email date of birth of customer, SMS will be sent to customer on that day. Two address option, one short and one long. Short address will be printed on bill long address for you if customer wants home delivery Customer credit limit option. Customer cannot cross credit limit transaction value, good option for regular customer. We are also planning to define customer discount on customer master. So that, discount will be directly applied for that when that customer's bill is made.
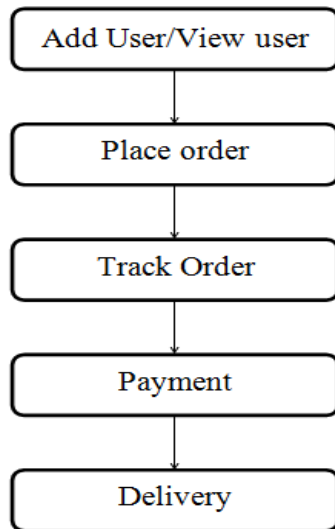
Figure 5. User Management

2. Dry Cleaner Management

We have develope d one of the advanced billing interface which will help us to create bills on counter in lest possible time.

Bills can be created with just few clicks without touching a keyboard.

We can directly create new bills without adding customers to customer master. This customer will be added to masters with a pop up notification.

We can search for customer directly from billing interface with their name/mobile/or address in case of old customer.

We can also view all previous/pending order for selected customer directly from billing interface.
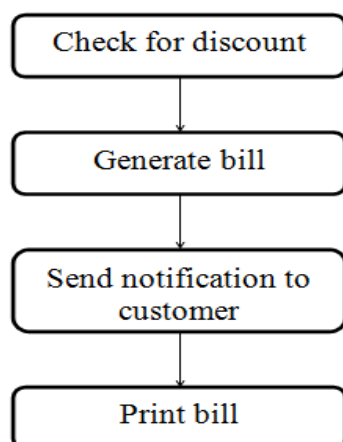

Figure 6. Dry Cleaner Management

3. Super/Master Admin Management

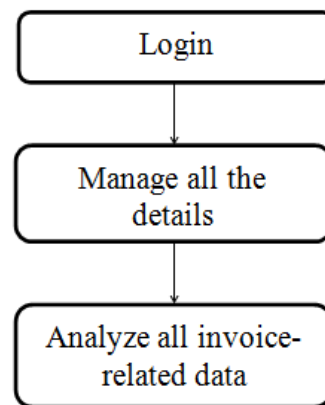Admin has rights to access and control all the activities.

Figure 7. Super/Master Admin Management

IV. CONCLUSION

Aim of our project is to develop fully customized web based LSS, using this one can monitoring and supervising overall laundry operations in an automated environment. The system helps users in completing their laundry-related chores effortlessly, quickly, and efficiently.

V. REFERENCES

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